CHONBUK NATIONAL UNIVERSITY









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CHONBUK NATIONAL UNIVERSITY



Chonbuk National University (CBNU), the representative university of the Republic of Korea

Chonbuk National University, established in 1947, is one of the Republic of Korea's most prestigious universities. Located in Jeonju, the most traditional Korean city with a history of 1,000 years taking its roots as the capital city of both the late Baekje, and Lee Dynasties. The University operates over several campuses including the Iksan campus that specialises in veterinary science, as well as industrial cooperation campuses in Gochang, Wanju, Jungeup and the Saemangum-Gunsan area.

The University consist of 14 graduate schools; a general graduate school with 14 departments and 215 masters' and doctoral majors, 4 professional graduate schools, and 9 specialised graduate schools. Also, the university operates 84 research centres in various locations. As the largest university in Korea, with 2,600 professors, 3,000 staff, 32,000 students, and 200,000 alumni. Chonbuk National University is constantly expanding its global network, as of March 2013, the university has been actively engaging in global exchange with 264 universities in 40 different countries.

Chonbuk National University is striving to join the world's top 100 universities by 2020. As a result, the university is currently working to wards gaining notability and renown both nationally and globally. Currently, Chonbuk National University is ranked 2nd among Korean national universities and among the top 200 worldwide. It also ranked 1st place among Korean national universities in the evaluation of scientific theses of the world's top 500 universities. The size of the university's research fund has been the largest among Korea's national universities for three consecutive years; demonstrative of the enthusiasm and work ethic of the university's professors.

In academic fields, Chonbuk National University was selected to be part of an Educational Capacity Enhancing Project, an enterprise supported by the Korean government. As for the results, they were phenomenal. The university was also designated as an 'ACE (Advanced College Education) University' by the government as result of being deemed to be the best teaching school among the nation's 200 universities with 4 year programmes. These achievements have contributed to the acquisition of the highest educational satisfaction level in Korea.

Chonbuk National University has grown to be the Republic of Korea's representative university both academically and scholarly. The university will continue to strengthen and develop its educational and research capacities, and will ensure it succeeds in becoming prominent global university, contributing in the advancement of the world.



President's Message

Chonbuk National University is a dynamically changing university where excellent results, attained from research & industrial cooperation, are ensuring the continued stability of our student's education.

As the first national university to open a \$100 Million research fund, CBNU is operating world-class research centers including the world's fifth largest High-enthalpy Plasma Research Center, and the Los Alamos National Laboratory-CBNU Engineering Institute Korea. The research



competitiveness of our professors has reached the highest level nationally in the academia and CBNU was selected as the best teaching school by the Korean Government. CBNU is now continuing to strengthen its relationships with, and draw attention from, prestigious international universities.

Despite what we have achieved, we are striving for more; moving forward beyond the region and the nation, Chonbuk National University will continue to gain prestige among the universities of the world. At this moment, we are working to face new challenges, achieving a bigger and brighter future.

With its excellent research, practical industrial cooperation, and stable education, CBNU will be the driving force for the development of Korea and earn increased international recognition.

Korea's representative university, Chonbuk National University is vaulting into global prestige.

Geo-suk Suh, LL.D., Ph.D. President

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	GRADUATE SCHOOL OF FLEXIBLE AND PRINTABLE ELECTRONICS	310
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	GRADUATE SCHOOL OF ENVIRONMENT	323
	Architecture Environment, Environmental Engineering, Environmental Planning, Korean-Tranditional House	
	GRADUATE SCHOOL OF INDUSTRIAL TECHNOLOGY	325
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	GRADUATE SCHOOL OF INFORMATION SCIENCE	329
	Information Science(Computer Information, Library & Information, Management Information, Sports Science Information, Statistics Information)	
	GRADUATE SCHOOL OF LEGAL AFFAIRS	331
	Law(Chinese Law, Civil Law, Corporate Law, Criminal Private Law, Human Rights Law, International Trade Law, Labor & Welfare Law, Law of Real Estate, Local Government Law)	
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RESEARCH ORGANIZATIONS

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Advanced Institute of Environment & Bioscience, Arts Development Center, Bio-Safety Research Institute, CBNU Research Institute of Nursing Science, Center for Subject Matter Education, Earth Environmental System Research Center, Engineering Research Institute, Han-Style Research Center, Hemorheology Research Institute, Industrial Design Research & Development Center, Institute for Medical Sciences, Institute for Northeast Asia Law, Institute for Radiation Technology, Institute for Sport Science Industry, Institute of Agricultural Science and Technology, Institute of Applied Statistics, Institute of Biodiversity Research, Institute of Cardiovascular Research, Institute of Educational Issues Research, Institute of Fusion Science, Institute of Intercultural Communication, Institute of Local Government and Autonomy, Institute of Molecular Biology and Genetics, Institute of Oral Bioscience, Institute of Photonics, Electronics and Technology, Institute of Plasma Application, Institute of Pure and Applied Mathematics, Institute of Rare Earth for Biological Application, Institute of Recreation and Landscape Planning, Institute of Rice, Life and Civilization, Institute of Science Education, Jeonju Makgeolli Research Center, Korea Zoonosis Research Institute, Los Alamos National Laboratory-Chonbuk National University Engineering Institute Korea, Obesity Research Center, Renal Regeneration Laboratory, Research Center for Bioactive Materials, Research Institute of Bioindustry, Research Institute of Clinical Medicine, Research Institute of Human Ecology, Research Institute of Physics and Chemistry, Science Culture Research Center, Semiconductor Physics Research Center, Science Research Institute, Social Science Research Institute, Speech Science Research Center, The Art and Culture Research Institute, Advanced College Education Agency, Advanced Graduate Education Center of Jeonbuk for Electronics and Information Technology, Basic Education Track for Wind Turbine and Offshore Structure, Buan Regional Innovation System Center, Business Incubator, CBNU e-Learning Center in Jeonbuk Area, Center for Environmental Resource Analysis and Certification, Center for Healthcare Development Technology, Center for Cooperation of Small & Medium Industry, Chonbuk Wildlife Rescue & Conservation Center, Cost Analysis Center, Future Professional Process of Agriculture Managers, Agricultural University, Global Trade Experts Incubating Program, Haneul Project, High-enthalpy Plasma Research Center, IC Design Education Center, Industry, University & Government Coupling Center, Innovation Center for Engineering Education, Jeonbuk Hanwoo Sanhakyeon Cooperation, Jeonbuk Jeonju Alcohol Counseling Center, Jeonju Healthy Family Support Center, KOCED Wind Tunnel Center, LED Agri-bio Fusion Technology Research Center, Local Digital Media Center, Namwon Lacquer Regional Innovation System, Poultry Managment Consulting Service & Research Center, Research Center for Development of Plant for Production of High Value Proteins, Research Center for Industrial Development of BioFood Materials, Science Education Institute for the Gifted, Seoul Accord Activation Center, Si-Solar Cell Center for R&D Manpower Education, The Chinese Old Classical Books Graduate School of Translation Promotion Agency, The New & Renewable Energy Material Development Center, Top Brand of Jangsu-gun's Omija, Water Environment Research Center, WCU Program for Development of New Paradigm for BIN Fusion Technology, Woman Student Career Development Center, World Class University Project

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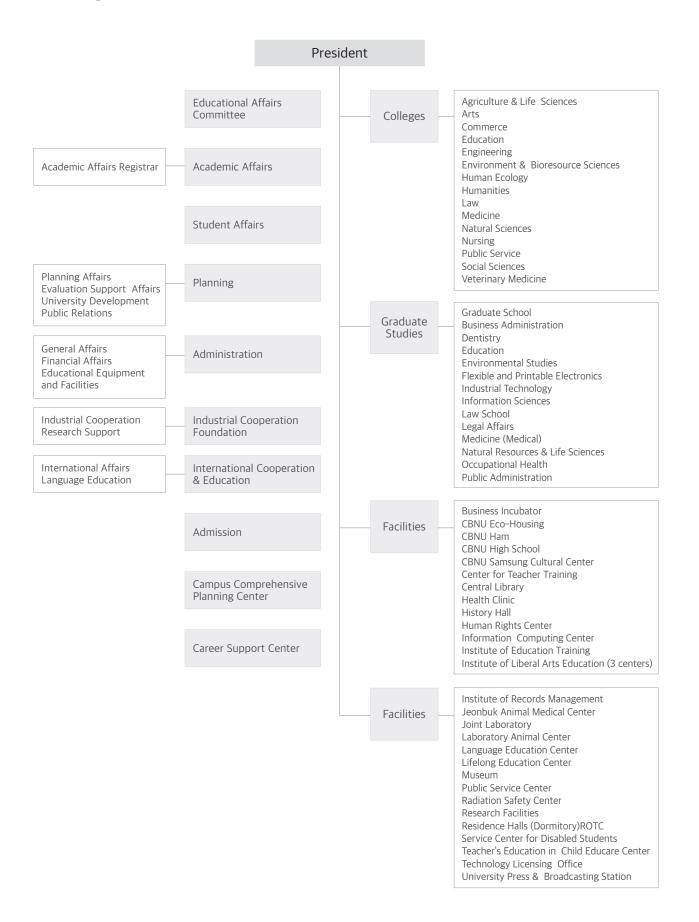
GENERAL INFORMATION

I. Chronology

1947-10-15	Chonbuk National University (then known as Provincial Iri Agricultural College) was founded
1951-10-06	Five more colleges were established Renamed as Chonbuk National University
1952-11-01	First Graduate School was established
1970-02-10	Graduate School of Business Administration was established
1970-12-31	College of Medicine was established
1971-12-31	College of Education was established
1975-02-01	Chonbuk National University Hospital was established
1976-03-11	Graduate School of Education was established
1976-07-10	A High School Affiliated with the College of Education was established
1980-10-02	College of Dentistry was established
1981-11-25	Graduate School of Public Administration was established
1984-11-27	Graduate School of Environmental Studies was established
1987-10-19	College of Art was established
1988-10-29	College of Veterinary Medicine was established
1989-11-06	Graduate School of Industry & Technology was established
1991-10-24	College of Human Ecology was established
1992-07-28	Graduate School of Agricultural Development was established
1993-09-04	Graduate School of Industrial Technology was established
1994-07-04	University Hospital transformed into a public corporation
1994-10-21	Graduate School of Industry & Technology established
1996-03-01	CBNU Social Education Center opened
1997-01-23	CBNU Samsung Cultural Center opened
1999-09-01	Student Service Center opened
2002-10-30	Graduate School of Legal Affairs was established
2003-08-25	Translation and Interpretation Service Center opened
2003-10-22	Industry-Academy Cooperation was established
2004-10-29	Professional Graduate School of Dental Medicine was accredited
2005-03-01	College of Nursing and Professional Graduate School of Dentistry was established
2005-10-07	Professional Graduate School of Medicine was granted
2006-02-28	Hunsan Geonji House (guesthouse) opened
2006-08-24	CBNU Seongwon Law Library opened
2007-02-28	CBNU Legal Support Center opened
2008-02-04	Law School grant received from the government

2008-03-01	Merged with Iksan College that then opened as Iksan Campus
2009-02-13	LED Fusion Technology Center opened
2009-03-02	Law School opened
2009-04-06	KOCED Wind Tunnel Center opened
2009-04-30	Chonbuk Wildlife Rescue & Conservation Center opened
2009-06-02	Environmental Rescource Analytical Certification Center opened
2009-09-10	Educational Center for Renewable Energy Industry opened
2010-01-07	CBNU Seoul Guesthouse opened
2010-03-03	Jeonju Makgeoli Research Center opened
2010-04-23	CBNU Beijing Office opened
2010-04-28	CBNU Art Exhibition Hall opened
2010-07-07	Business Incubation Center opened
2010-09-01	Institute for Legal Affairs opened
2010-10-29	Foreign Research Information Center opened
2011-01-21	LED Plant Factory was completed
2011-02-02	High-enthalpy Plasma Research Center construction began
2011-06-23	Clinical Trial Center of Nursing construction began
2011-09-27	Los Alamos National Laboratory-CBNU Engineering Institute Korea opened
2011-10-18	Advanced College Education (ACE) Agency opened
2011-12-01	Graduate School of Flexible and Printable Electronics was established
2012-07-05	CBNU LINC (Leaders in INdustry-university Cooperation) opened
2012-06-25	International Cooperation & Education (Office of International Affairs, Language Education Center) opened
2012-06-13	CBNU Gunsan-Saemankum Campus opened
2012-04-30	Institute for General Education opened
2012-03-13	CBNU Gochang Campus opened
2013-01-30	Degree & Research Center (DRC) opened with the Korea Research Institute of Bioscience and Biotechnology (KRIBB)
2013-03-25	CBNU Saturday Culture School opened for multi-cultural students & parents
2013-04-16	CBNU Tree Diagnosis Center opened
2013-05-02	The nations's largest LED (Light Emitting Diode) Plant Factory opened at Iksan Campus
2013-05-27	Campus title was changed (Iksan Campus to Specialized Campus)
2013-06-03	Yoengnam Global University-Industry Cooperation Center opened
2013-07-12	Volunteer Center (Ereumter) opened
2013-07-12	The nation's first mental health center "Happy Center" opened
2014-01-13	CBNU's LED Plant Factory opened in Vietnam

II. Organization



III. Facts

Students

Col	leges and Graduate Schools	Departments	Freshmen	Total
	Agricultural and Life Science	14	479	2,898
	Arts	5	172	874
	Commerce	3	372	3,135
	Education	11	215	1,198
	Engineering	23	1353	9,583
	Environmental and Bioresource Science	3	141	1,042
Colleges	Humanities	11	443	2,787
	Human Ecology	4	121	701
	Natural Science	10	384	2,328
	Nursing	1	100	448
	Social Science	6	224	1,612
	Veterinary Medicine	1	50	336
	Others	2	70	455
	Sub Total	94	4,124	27,397
	Master's program	104	693	1800
Graduate School	Doctoral Program	99	351	958
	Dentistry	1	40	159
Professional	Flexible and Printable Electronics	1	20	30
Graduate School	Law	1	90	250
	Medicine	1	110	461
	Business Administration	4	72	194
	Education	1	224	576
	Environment	4	25	52
	Industrial Technology	2	45	80
Special Graduate School	Information Science	1	10	14
Gradate SCHOOL	Legal Affairs	1	30	36
	Life Resources Science	1	14	20
	Occupational Health	2	12	23
	Public Administration	5	70	168
	Sub Total	223	1,736	4,653
	Total	322	5,930	32,218

Faculty

Colleges	Professors	Associate Professors	Assistant Professors	Total
Agriculture and Life Science	45	9	13	67
Arts	24	4	1	29
Commerce	36	6	6	48
Dentistry	21	14	5	40
Education	45	20	12	77
Engineering	146	48	20	214
Environmental and Bioresource	13	5	4	22
Humanities	71	17	6	94
Human Ecology	14	3	3	20
Law	21	12	3	36
Medicine (Medical School)	92	43	26	161
Natural Science	62	19	10	91
Nursing	7	0	7	14
Social Science	32	11	4	47
Veterinary Medicine	11	13	8	32
Others	10	6	10	26
Total	650	230	138	1,018

^{*} Staff 395, Office Assistants 191

• Property (Unit: Thousand m³)

	Campus Site	Other Use	Total
Jeonju Campus	eonju Campus 1,293		2,920
Iksan Campus	145	107	252
Gochang Campus	39	0	39
Total	1,477	1,734	3,211

IV. Vision 2020: Global Top 100

A Specialized University,

Promoting the Prosperity of the Region and the Nation

Objectives

Categories		Stage I (2008-2010)	Stage II (2011-2015)	Stage III (2016-2020)
	No. 1	-	-	10 areas
Research	Top 5	5 areas	10 areas	10 areas
	Top 10	10 areas	10 areas	20 areas
International Joint Programs		10 programs	20 programs	30 programs
Foreign Faculty		3% of the total	10% of the total	15% of the total
Interna	tional Population	5% of the whole	10% of the whole	15% of the whole

Stronger Research

- · Full support for prominent professors and researchers
- · Enhanced research facilities and laboratories
- · Enhanced selection process for tenure
- · Recruitment of more international professors

Globalized Campus

- · Establishment of direct Master's programs in science and engineering
- Expansion of study abroad and international internship programs
- · Recruitment of more international students and researchers
- · Enhanced students' career development
- Increased number of courses taught in foreign languages
- · Increased number of courses taught by international professors

Professional Staff

- · Expanded staff training programs
- Recognition for exceptional staff members
- · Enhanced staff evaluation

Extensive University Funds

- · Expansion of the university development foundation office
- Expansion of out-sourced researches
- · Acquisition of government funds & grants
- · Justified tuition fees

V. Jeonju, City of the University

Jeonju is the capital city of Jeonbuk Province, serving as the regional center of educational, cultural, economic, political, and commercial activities. It is ideally located, providing the shortest possible route from Korea to mainland China, which is the biggest and most rapidly growing economy in the world.

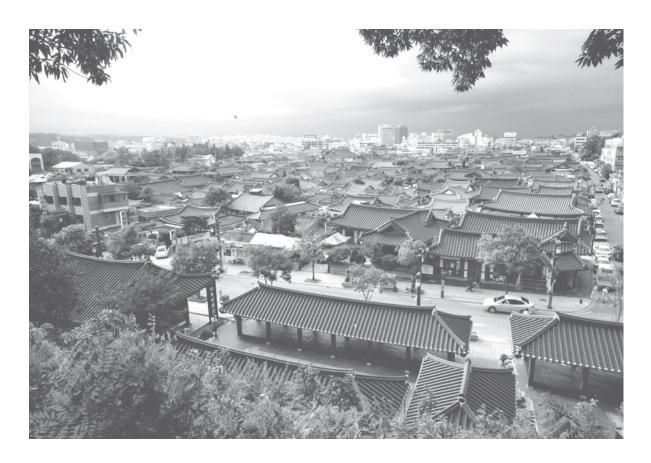
Jeonbuk Province is situated in the southwestern part of the Korean peninsula, and is about 240km (149miles) away from Seoul, only 45 minutes away by air travel or 3 hours by car. The total area of the province is 8,058km, which comprises 8.1% of the national territory. Approximately 648,000 people out of a total population of 1,874,000 in the province are engaged in various forms of economic activities in the city.

The province provides one of the most desirable living spaces in the country with the residents of the province taking great pride in living in beautiful natural surroundings.

Jeonbuk is a rich land composed of green mountains, fertile soil and lavish fauna, all of which provide the region with a bountiful yield of grain products, particularly rice.

Coupled with these natural endowments, the province has been the heartland of Korea's brilliant history and traditional cultures of visual and performing arts. Jeonbuk is the centerpiece of the region in which the capitol of the Hoobaekjae Dynasty once stood. It was also home to the Chosun Dynasty that ruled for 500 years beginning at the end of the 14th century.

The average annual temperature is 13.2°C, with the average annual rainfall being 1,200mm (3.94ft.). Nestled between the sea and mountains, the area boasts breathtaking scenery; it is home to many beautiful natural parks, four of which are designated as national parks and a further four are provincial parks, which are located close to the city. They are popular among tourists throughout the four seasons.



VI. Facilities

Animal Breeding Farm

• Phone: 82-(0)63-270-2502, Fax: 82-(0)63-270-2505

The core principle behind CBNU having an animal breeding farm within its campus is to provide professors with the opportunity to have hands-on training as well as the ability to conduct experiments.

The farm consists of a cattle shed, silo, and pasture, and makes use of an area of around 165 km squared to accommodate chicken, pig, and dairy farms. Understanding of artificial insemination, the manufacture of silage, and the keeping of livestock are taught on site and, in addition to this, experiments are carried out by the professors of Animal Resource Development.

The vivarium houses 12 cows, 18 pigs, 1,000 laying hens as well as 1500 breeding chickens. The major staple crops grown on the farm are corn, sudan grass, and Italian rye grass, all of which are made use of in training programs. The CBNU Animal breeding farm is also aware of the need to conduct research on organic poultry farming due to recent increasing concerns regarding organic farm products.

Archival Education Center

• Homepage: http://achives.chonbuk.ac.kr

• Phone: 82-(0)63-270-3253, Fax: 82-(0)63-270-3260

The Archival Education Center was granted permission in 2012 to access the National Archives of Korea which belong to the Ministry of Administration and Security. We cultivate many archivists who can contribute to archive management by providing students with a structured study of Records and Archives Management, and also by teaching executive abilities so that graduates can cope with a rapidly changing society. The quality of education is continually improved by the educational environment and facilities that CBNU is able to provide. In addition, our center has offered a distinguished curriculum that focuses on leading, professional and scientific archive management since 2003. Our success comes from our experience in developing professionals who graduated from the school of Information Science.

CBNU Automobile Research Institute (CARI)

• Phone: 82-(0)63-270-3684, Fax: 82-(0)63-270-3689

CARI, which was founded in 1999, contributes to CBNU through the support and maintenance of various facilities, apparatus and materials used in experiments for cooperative industrial-academic activities. CARI also manages the usage of the space for the various research centers in the College of Engineering.

CBNU Ham

• Phone: 82-(0)63-270-3960, Fax: 82-(0)63-270-4240

The Chonbuk National University Ham, one of the most successful university enterprises, was established in March 2004. It aims to promote on-the-job training, research, and enable the transfer of new technologies. The Department of Animal Biotechnology is connected to the enterprise.

CBNU Ham, which was born through the 30-year research efforts of Animal Biotechnology faculty, only uses domestic unfrozen meat and employs the NON-5 principle (Non-starch, non-preservative, non-colors, non-nitrite, and non-MSG) in order to produce the best homemade hams and pro-environmental processed foods. In addition, CBNU Ham has acquired the government's Hazard Analysis Critical Control Points (HACCP) certificate, which ensures quality in CBNU Ham's production methods. It continues to gain popularity through pro-environmental shops and improves the supply process in the production of school meals. CBNU Ham supplies 660 stores nationally, ORGA WHOLE FOODS CO., THE CHOROR MAEUL CO., etc. CBNU Ham obtained 'BUY Jeonju' in 2010, and has adopted school support work selection by MEST for five consecutive years.

So as to accelerate the development of the meat processing industry, CBNU Ham creates fermented and functional meat products through close cooperation with related enterprises. Furthermore, it develops the next generation of students into experts with various business experiences through on-the-job training in skills such as quality control, management, accounting, sales promotion, and design. It contributes to increased employment rates and supplements the skills in regional companies,

CBNU High School

• Homepage: http://bugo.chonbuk.ac.kr

• Phone: 82-(0)63-270-3550, Fax: 82-(0)63-270-2874

Chonbuk National University High School was inaugurated on May 3rd, 1977 and has produced total 12,171 graduates, including 308 in 2013; the 34th year of graduates.

Currently in 2013, a total of 908 students are enrolled in a total 24 classes, 4 of each gender of each grade. Principal Nam-Seok Chang took office on March 1st, 2009 and has been promoting various education programs.

The major education programs include student-selected after-school programs, a nongraded after-school programs operation, various Saturday programs, morning book-reading time, diverse after-read activities, school violence prevention guidance, leadership camps, various volunteer work connected with the local community, open classes, dance performances, art exhibitions, and a sport league series.

All of Chonbuk National University High School's teachers work very hard to achieve their goals; they teach with love and wisdom, and with pride in the school, to provide the best learning-environment for their students so that they might achieve their dreams. The school nurtures creative students both with high levels of competency and with humanity.

CBNU History Hall

- Homepage: http://museum.chonbuk.ac.kr/
- Phone: 82-(0)63-270-3951, Fax: 82-(0)63-270-3487

The 'CBNU History Hall' was established for the purpose of collecting, managing and conserving the historical data of the university. The continuous collecting, founding, exhibiting, conservation and studying of historical data are the main duties of the History Hall. Collected data is used as a basic element for the University's publication of History Books, promotions, research, development of education, and creation of development plans. The CBNU History Hall continuously enhances the University's position by promoting the University's progressive nature within the local community.

CBNU Museum

• Homepage: http://museum.chonbuk.ac.kr

• Phone: 82-(0)63-270-3488, Fax: 82-(0)63-270-3487

The CBNU Museum first opened in May of 1961, as an affiliated institute of the University that promotes the investigation, research, education and exhibition of the cultural assets of the Jeonbuk Province. The Museum presents various exhibitions, lectures, and symposia that transmit and conserve the history and culture of the region; once the homeland to many of the Mahan confederacies and the ancestral home of the Joseon Dynasty.

The Museum's concentrated effort to collect and study ancient documents has resulted in its possession of one the largest collections among the university museums of Korea. Moreover, excavation of Korea's largest Mahan mound tombs site at Wanju Sangwoon-ri has boosted the Museum's reputation. The Museum has also consistently undertaken a series of cultural and educational initiatives, such as academic lectures and the 'Museum Academy Program', which have aimed to provide the residents of the area with a space where their cultural nostalgia can be shared.

The Museum was officially reopened in a specially designed building in November of 2011. It is now equipped with much more modernized equipment, and accommodates and displays a greater variety of exhibits. The CBNU Museum considers this reopening an opportunity and a strong motivator to make further leaps forward.

CBNU Press Center & Broadcasting Station

• Homepage: http://presscenter.chonbuk.ac.kr

• Phone: 82-(0)63-270-3537, Fax: 82-(0)63-270-4300

The CBNU Press Center was established in 1954 to enhance the academic atmosphere on campus and to promote academic activities at home and abroad. The center, integrated with the CBNU Newspaper, the CBNU Globe (our English language publication) and the CBNU Broadcasting Station since 1995, plays

an important role in inspiring campus culture. Moreover, it leads promotion for awareness of specific and unique aspects of local culture in the Jeonbuk Province. The CBNU Newspaper, established in 1954, continues to follow its founding principles: to enhance the experience of university students, and to promote public awareness in the university. A weekly newspaper is issued every Monday and includes: news, information for professors and students, a planning supplement for upcoming events, and other features. Its English language counterpart, The Globe, is published quarterly.

The University Broadcasting Station (UBS) sets the values of freedom of speech on campus and encourages a progressive university culture. To this end, the UBS sets its goals as follows: promotion of an academic atmosphere throughout campus, increased awareness of cultural activities shared through campus broadcasting, continual improvement of its broadcasting services and continued service to the University.

CBNU Samsung Cultural Center

• Homepage: http://cnucc.chonbuk.ac.kr

• Phone: 82-(0)63-270-2089, Fax: 82-(0)63-270-2097

Celebrating its 50th anniversary in 1997, CBNU opened a memorial building, the Samsung Cultural Center. Since its opening, the Samsung Cultural Center has provided facilities for artistic performances in this region of the Jeonbuk Province. The complex contains two theaters, two exhibition rooms, a restaurant, a cafeteria, a bakery, and other facilities. The main theater has a 1,800 seat hall and the secondary theater, Gonji Hall, provides 250 seats and both are equipped with ultra-modern computerized audio and lighting systems. The center's performances include a broad range of genres, and it presents over 100 shows every year.

Center for Human Rights

• Phone: 82-(0)63-270-3004, Fax: 82-(0)63-270-4143

In December 2007, CBNU as a regional university made a contract, with the National Human Rights Commission of Korea, to improve human rights in Jeonbuk area. The Center for Human Rights, founded in 2009, became the center in charge of human rights related works, such as education & research on human rights, and handles any infringement of human rights within the school.

Center for Students with Disabilities

• Phone: 82-(0)63-270-4724, Fax: 82-(0)63-270-4143

The Center for students with disabilities was established in 2008. In order to meet the social demand, our university, as a regional university, modified its the admissions procedure for students with disabilities

by introducing 'special admission for the disabled'. The center provides the services listed below to help admitted students minimize any impact their disabilities may have on their academic progress and to allow them to successfully focus on their education.

- 1. Research and improvements in the educational welfare of students with disabilities
- 2. Providing assistants for personal difficulties and educational support
- 3. Introducing school or business support for students with disabilities
- 4. Securing funding for the support of students with disabilities
- 5. Providing any necessary help for students with disabilities

Center for Public Service

• Phone: 82-(0)63-270-2125 Fax: 82-(0)63-270-4143

In 2009 CBNU established the Center for Public Service in order to train cosmopolitan students who are equipped with a community spirit and leadership capabilities. The center performs the following roles:

- 1. It is part of a joint effort to form and develop the regional community and society through an exchange between the city and the university.
- 2. It establishes humane education through public service.
- 3. It encourages cross-cultural integration.
- 4. It supports improvement in education through interdisciplinary public service programs.

Center for Teachers' Education in Child Educare

• Homepage: http://edu.jbnu.ac.kr

• Phone: 82-(0)63-270-3830, Fax: 82-(0)63-270-3843

The Center for Teachers' Education in Child Educare, accredited by the Ministry of Health and Welfare, offers a teacher education program to prepare professionals for working with young children. To be certified as teachers, students are required to take 25 courses, including on-site field experience (1135 hours). Students then have the opportunity to work at or manage nurseries or day-care centers serving infants or toddlers. The center's re-education and advancement program lend itself well to training teachers and directors who are engaged in institutions for early childhood education Students on this program should allow 40-80 hours for study. The center's programs aim to increase understanding of children's behavior and of diverse methods of early education. The activities are provided in many forms: seminars and workshops, role play, operettas with music, exhibitions of teaching materials, and publications.

Center for University-wide Research Facilities

• Homepage: http://curf.chonbuk.ac.kr

• Phone: 82-(0)63-270-3562, Fax: 82-(0)63-270-3562

The Center for University-wide Research Facilities (CURF) was established in 1990 to support education programs and train students. Moreover, it promotes accurate measurements and analysis for Chonbuk National University professors and researchers. The center is also open to researchers in industry and to researchers of other institutes for the encouragement of cutting-edge advances. In CURF, the expensive and advanced equipment is made available for a wide spectrum of research. It is well-operated and efficiently maintained by our professional staff. Major assets at the center include a 600 MHz Nuclear Magnetic Resonance (NMR) spectrometer, Gas Chromatography (GC) - mass spectrometer, Inductively Coupled Plasma (ICP) - mass spectrometer, Scanning Electron Microscope (SEM), and Transmission Electron Microscope (TEM). Having such modern facilities, highly educated staff and professors can accurately produce data for analysis in their fields of research. The contribution of CURF to the education and research activities is rapidly increasing nowadays with the importance for accurate analysis being emphasized in the research and development of advanced technology in academia as well as in industry.

Chonbuk Animal Medical Center

• Director: Lee, Ki-Chang, DVM, Ph.D., Professor of Diagnostic imaging

• Phone: 82-(0)63-270-3786, Fax: 82-(0)63-270-3778

The Chonbuk Animal Medical Center (CAMC) was opened in 1998 due to a need for modernized education for the vetenary treatement of small animals. The need in the RoK for this facility arose as a result of an increase in domesticated animals along with its economic growth. The need for high quality veterinary medical services to improve the welfare of animals has become increasingly important. The CAMC facility consists of 2 stories, and has a floor space of about 1,320 m. The first floor is comprised of a general affairs section, a waiting room, medical offices, treatment rooms, sick wards, an isolation ward, an examination room for endocrine, an endoscopy room, a bathing room, an operating room, a preparation room for operations, an X-ray room, an ultrasonograph check room, a disinfecting room and other facilities. The second floor is comprised of research rooms for professors, laboratories for each division and a seminar room. The purpose of this veterinary teaching hospital is to provide the best services for all patients and customers. For these reasons, we are enthusiastic in our work, with particular focus in each of the following fields: internal and external medicine, theriogenology, radiology, clinical pathology, avian pathology, exotic pathology and fish pathology. Ultimately, CAMC is a secondary medical service. For this reason, most cases are admitted by local DVMs, and customers who wish use our services must come with a written diagnostic request from a local doctor who has performed preliminary treatment and/or a preliminary consultation. Furthermore, one of the most important features is a registration service. Registered customers will have minimized waiting times and will avoid waiting lists.

Continuing Education Center

• Homepage: http://cec.chonbuk.ac.kr

• Phone: 82-(0)63-288-0022, Fax: 82-(0)63-232-7373

The Continuing Education Center was established in 1996 with the objective of creating awareness of life-long educational needs in the community. The objective of the center is to meet the learning needs of adults and to provide both credit and non-credit courses and programs to those in the Jeonbuk Province and surrounding areas. As a focal point of CBNU's continuing education efforts, the center annually serves more than 3,000 people through both on-campus programs, off-campus programs, and various supporting services taught by CBNU faculty, staff and community experts. The center will prepare community citizens for the future by providing a variety of courses and programs.

Department of Athletics

The department of Athletics at Chonbuk National University offers 5 intercollegiate sports and trains 25 college athletes. Athletic facilities include a playground, a gymnasium, a soccer field, tennis courts, golf practice facilities, and a fitness club. On top of this, the department supports a variety of club sport activities for students, faculty, and staff.

The ultimate objective of Chonbuk National University's Department of Athletics is to integrate academic and athletic experiences successfully. Student-athletes are expected to benefit from the educational, professional, and cultural advantages of the university. We are committed to promoting principles of student-athlete well-being by establishing and maintaining an environment that fosters such an educational experience, relationships between student-athletes and their coaches, fairness, and health and safety. The Department conducts its activities in ways that promote sportsmanship, camaraderie, and maintain a comprehensive commitment to academic excellence, diversity, and equitable opportunity for all students and staff.

The Athletics department has contributed in raising many sports athletes in becoming members of national teams over the last 30 years and has become a foundation for enhancements of club and professional sports in Chonbuk National University.

There is one director and one administrative assistant in the Athletics department and major athletic facilities are managed by professional caretakers.

Detachment and ROTC Office

• Homepage: http://rotc.chonbuk.ac.kr

• Phone: 82-(0)63-270-3618, Fax: 82-(0)63-270-3617

Founded on April first 1961, the Chonbuk National University ROTC selects ROTC cadets based on history and tradition. We aim to train elite officers with a proper hierarchy of values, character, and excellent qualifications.

We select freshmen and sophomores of 4-year-college programs, considering their grades, physical ability and fundamental personality. We teach them the majority of military science in the middle of

semesters while they are juniors and seniors in college. During winter and summer vacations, we put practice first in basic enlistment training at Army Student Soldier School. At the time of graduation, they will also be commissioned as second lieutenants.

Dormitories

• Homepage: http://likehome.jbnu.ac.kr

• Phone: 82-(0)63-270-4723, Fax: 82-(0)63-270-3523

CBNU Residence Hall can accommodate 4,208 students and faculty. It consists of 12 buildings including BTL dormitories such as the 5 Chambit Halls, 2 Hyemin Halls (2009), 2 Saebit Halls (2010), and the Iksan annex (2003) as well as the two directly operated Pyeonghwa and Daedong Halls.

Two students share one room and share responsibility for compliance with the dormitory code of conduct. Occupants are selected before a semester begins and will be enrolled after paying the dormitory fees.

The Residence Hall provides students with various facilities such as a convenience store, coffee house, snack bar, chicken & pizza restaurant, copy shop, reading room, computer room, seminar room, fitness center, billiards room and table tennis room. It also serves quality meals, ensured by HACCP processes, and provides a healthy; low-salt and reduced meat diet.

The 3rd BTL project is in currently underway and when the construction is completed in 2015, 600 additional students will be housed in a new dormitory and the Residence Halls will be able to host a total of 4,800 students,

Eco housing

• Phone: 82-(0)63-219-5239 Fax: 82-(0)63-219-5240

Eco housing produces 'NF WOOD' (fire proof wood) through certified methods that ensure a flame-retardant and quasi-noncombustible nature of products by water soluble eco-friendly fire-retardant agents. Eco housing maintains the natural advantages of wood such as scent, temperature/humidity control, color and grain etc. whilst improving on some of its limitations, wood deformation, cracks, contraction and expansion, etc. and also increasing wood's dimensional stability. The promotion of Eco-friendly products contributes to reductions in atmospheric carbon and green growth.

Experimental Research Farm

• Phone: 82-(0)63-270-2489, Fax: 82-(0)63-270-2505

The Experimental Research Farm was established in 1952 based on the Article 11 of the Decree on the Establishment of National Schools and the Article 15 of Chonbuk National University's Regulations.

Located on the Jeonju campus of Chonbuk National University, the Experimental Farm supports the practices, experiments and research of students and faculty members on subjects including Crop Production, Rice Science, Upland Crops, Industrial Crops, Plant Breeding, Plant Genetics, Plant Physiology, Vegetable Science, Floriculture, and Pomiculture etc. Facilities including experimental fields and modern glasshouses are also used to develop locally-adaptable new technologies and crop varieties. A Rice paddy field of over 77,000m² in area located at Bakgu, Gimje-city, is used for on-farm production practices and agricultural management research.

Objectives

- · Support students' field experiments
- · Support students' practical education on agricultural technology
- · Support faculty members and graduate students with research projects
- · Assist preservation and utilization of genetic materials
- · Provide extension services to local communities

Gochang Campus Management Office

• Phone: 82-(0)63-562-2621

Gochang campus was established at the following address on March 13th 2012: Gochang-gun, Gochang-eup, TeBong-ro 361 bunji. It consists of 5 buildings and a ground scale of 4,575 m².

Gochang-si, where CBNU Gochang campus is located, is a provincial city of Jeollabuk-do with a population of 60,000. It is the hometown of Pansori, a part of Korean cultural heritage and it also stages one of the world heritage sites; Asia's largest group of prehistoric Dolmen graves.

There Gochang Campus Management Office has several goals; including discussing ways to vitalize Gochang-gun, supporting employment through educating vulnerable social groups, training professionals to keep up with a high demand for green houses like Han-Ok, training citizens who can promote low carbon footprints by using green wood materials, establishing the training system for the best wooden architectural professionals through specialized curriculums and practices, establishing the system for training professionals who are fundamental for industrial competitiveness, and contributing to creation of jobs,

There are two related departments within the Gochang campus; one runs a 5-month program for providing professional training in wooden architecture (major in Han-Ok architecture and light-weight wooden architecture), and the other is the department of Agricultural Life Science.

Health Clinic

• Phone: 82-(0)63-270-3521, Fax: 82-(0)63-270-3815

The Chonbuk National University Health Clinic was opened in order to care for both students and faculty members, improving the quality of health welfare. The Clinic is located on the second floor of

the Chonbuk National University Welfare Institution and is equipped with a variety of medical facilities including a general clinic, oral clinic, obesity clinic, physical therapy room, room for check-ups, ultrasound room and an X-ray room. In the Clinic there are five medical specialists who specialize in internal medicines (except those regarding the small intestine), urology, gynecology, pain medicine and dermatology, and a dentist sent from the University Hospital to take charge of treatment. There are two nurses, a Nursing auxiliary, a radiological technologist and a medical laboratory technologist who are highly qualified at offering high quality health care services.

Information and Computing Technology Center

• Homepage: http://its.jbnu.ac.kr

• Phone: 82-(0)63-270-3506, Fax: 82-(0)63-270-3700

The mission of the Information and Computing Technology Center (ICTC) is to provide information services and technology that enable Chonbuk National University to extend its preeminence in research, teaching and public services in the 21st century. ICTC was established in 1977 and is responsible for the following ICTC units which support the campus through: activities in education, consultation, research computing, teaching and learning, user support and engagement, infrastructure, administrative operations, communication technologies, and information security.

ICTC is working to implement the Peoplesoft Campus Solutions Student System and to have executive oversight in implementing its Financial and Human Resource components.

All students, faculty and staff can obtain Internet accounts and come into contact with computers anytime, they are encouraged to make the best use of the facilities and equipment in ICTC.

ICTC provides core network infrastructure technology services to the campus with 15,000 internet nodes, 1,500 wireless LAN AP for Wi-Fi service, and a Gigabit network backbone especially for proving technology services such as; Homepage Management, a Portal-System, an Integrated Information System of Campus (Oasis 2.0), Management Statistics Information, Groupware (Electronic Document System), Webmail, Web-disk, Survey System, Accounting Services, Computer Protection, On-line Software, Back-up Systems with computing resources such as Firewalls, Web Application Firewalls, IDS, IPS, PMS, security Monitoring and Control Systems and a Personal Information Filtering System.

Institute of Liberal Education

• Homepage: http://fle.jbnu.ac.kr

• Phone: 82-(0)63-270-2839, Fax: 82-(0)63-270-3935

The Institute of Liberal Education was established in March 2012 to strengthen students' basic liberal education, and to improve the teaching and learning levels of the entire university as society demands.

The institute consists of three centers, the Center for basic education, the Center for Teaching and Learning and the e-Learning Center. The institute offers various programs to fulfill its founding purpose most effectively. For example, courses in fundamental subjects such as english and math, have being

recently implemented to help students lay a foundation for the completion of their majors and to promote their liberal skills through various levels of classes. Special summer & winter courses and liberal certificates are also provided in order for students to reach the university's high standard.

In addition to educating students, the institute supports various research activities, changes to the basic curriculum in undergraduate level courses, the development of learning and teaching skills, and promotes e-learning.

The Center for Teaching and Learning serves a pivotal role in enhancing the competitiveness and quality of the university. It is departmentalized into Teaching Support Services, Learning Support Services and Educational Media Production in order to develop and achieve the education levels required in the 21st century's knowledge-based society.

The Teaching Support Service supports the development of pedagogical materials which strengthen instructors' teaching skills and implement a customer-centric education. Through filming and analyzing lectures the service provides teachers with an opportunity to implement a change or to adopt an appropriate teaching method. It also strives to enhance instructors' skills by inviting reputable guest lecturers for special speeches and workshops.

The Learning Support Service provides special lectures, workshops and study groups, focusing on time management and goal setting strategies, to promote self-directed learning attitudes. It also provides 1:1 academic counseling and tutoring services for under-achieving students in order to help them adapt to college life better. General services are offered for the improvement of communication skills in speaking, reading and writing. Various writing courses and workshops are held in order to improve writing skills, as well as essay writing contests. The information and knowledge regarding writing are provided through topic materials and published works.

The Educational Media Production service provides information on teaching & learning activities in order to improve the quality of university education. Course Contents Production Support offers a service for creating multimedia lecture materials, which helps teachers to focus on the lecture itself. In addition, in order to provide the appropriate educational environment corresponding with the current times, the production performs various research activities and publishes a source book about utilizing such educational media.

Laboratory Animal Center

• Phone: 82-(0)63-270-3715, Fax: 82-(0)63-270-3780

The Laboratory Animal Center (LAC) of Chonbuk National University was established in 2006. The LAC is administratively part of the office of research services in CBNU. Its purpose is to provide total animal care services as needed by any academic and/or research faculty.

The LAC is maintained and operated in compliance with the Guide for the Care and Use of Laboratory Animals (National Academy Press, Washington, D.C., 1996). Any research or instructional use of laboratory animals conducted in this university must be reviewed and approved by our Committee on Animal Research (IACUC), the LAC.

Language Education Center

• Homepage: http://lec.chonbuk.ac.kr

• Phone: 82-(0)63-270-3593, Fax: 82-(0)63-270-3665

The Language Education Center was established in June, 1999 for the purpose of integrating the functions of two separate centers: the Language Research Institute and the Foreign Language Education. Its main role is to provide CBNU students and Jeonju citizens with better education in foreign languages such as English, Japanese, and Chinese, as well as in the Korean language.

An academic year at the center is composed of six terms: two terms during Spring and Fall semesters, and one term during Summer and Winter vacation, respectively.

The Language Education Center offers various training programs and courses to help students achieve competence in their chosen languages. Highly qualified native speakers teach all courses, using the 'total immersion' teaching method that allows only the target language to be spoken in the classroom. The center is equipped with new and updated facilities for language training. The audio-video room is open to everyone free of charge and seats 120 students, Facilities are open to all registered students from 9:00 a.m. to 10:00 p.m. In order to provide better educational environment, CBNU is now building a new language education facility.

Leaders in Industry-University Cooperation Center

• Homepage: http://linc.jbnu.ac.kr

• Phone: 82-(0)63-270-4510, Fax: 82-(0)63-270-4517

LINC (Leaders in INdustry-unversity Cooperation) is a project that develops talented students and supports technical evolution, responding to the requirements of industries through the creation and expansion of various industry-university cooperations; sharing growth between local universities and industries. The university will implement this project for five years from April 1, 2012 to February 28, 2017 in order to solve the gap in employment rates between universities and industries, and to educate experts in specialist fields by establishing an industry-business cooperation system.

The LINC project of Chonbuk National University is a project that is processed by connecting the Metropolitan Economic Regional leading industry (Education Center for Renewable Energy Industry), which is a conventional large national project, and the regional core research center (Healthcare technology development center). The project has been extensively operated for creating core researchers and industry-specific roles.

The development project of LINC in Chonbuk National University has been conducted by the College of Engineering (17 departments) and other participant colleges, such as College of Commerce (2 departments), College of Natural Sciences (6 departments), College of Agriculture and Life Science (7 departments), and the department of industrial design in College of Arts that also work to expand industry-university cooperation to all colleges. Also, industry-university cooperation has become a major activity in the university together with education and research. The LINC project in Chonbuk National University uses a technological innovation style and is implemented as a large project where approximately

9,500 undergraduate students, 800 graduate school students, and 300 staff have participated.

A specialization field of Chonbuk National University is the renewable energy industry. As the field has been prepared since 2005, the university has abundant know-hows. Chonbuk National University has been concentrating on developing graduates and supporting businesses through the introduction of a renewable energy education certification system. In the renewable energy education certification system, the certification is acquired through three steps by completing a specific learning course that consists of solar energy and wind power and non-curriculum. The certification works to improve employment rates.

Libraries

• Homepage: http://dl.jbnu.ac.kr

• Phone: 82-(0)63-270-3466, Fax: 82-(0)63-270-3468

Chonbuk National University has seven libraries holding academic resources: The Central Library, Central Auxiliary Library, Medical Library, Law Library, Dental Library, Ik-San Library and Self-study Library.

The Central Library is expected to open in March, 2014. This new building (24,492m²), with four floors above ground and two below, will offer excellent user service, state of the art technology and the best environmental conditions for faculty members and students in support of their research activities. It will be equipped with the most recent advances in technology such as Smart Tables which help to create a user friendly library space. It will also include Group Study, Carrel and Multi-media rooms for the convenience of its users. A TED Zone, Media room and Information booth are located on the first floor. A Science & Technology subject room is located on the floor above alongside the Information Commons, which provides access to laptops, tablets and mobiles. The Serial Title Room and FRIC (Foreign Research Information Center) that is located in the first basement level, will offer subject specialized services.

Through these diverse services, the new CBNU library will become one of the leading information providers among institutions in Korea. The Central library will also include number of individual study rooms that support the research of both faculty members and students. Such facilities will enable more inter-group and person-to-person interactions, thus creating a more dynamic learning environment within the university campus.

The CBNU libraries hold and subscribe to over 1,500,000 books, 2,000 print journals, 14,000 electronic journals, 50 Web Databases, 9,500 e-books, 156,000 academic dissertations and 26,000 multimedia materials. These resources are open to both members of the university and to the local community via a local membership system.

An Interlibrary loan (ILL) service is conducted to provide resources not held at a specific CBNU Library. Through this service, the CBNU libraries offer access to on-line information, data and electronic journals.

Library hours vary between individual libraries, but the library reading rooms that are located in both the Self-study and Central Auxiliary Libraries are open through the year.

There are 3 specialized branch libraries within the Jeon-ju campus, The Medical Library (2,458m²), The Law Library (2,907m²) and The Dental Library (526m²). Their resources are focussed on more specialized topics of research and primarily serve the faculty members and students of the Medical School, the Law School and the Dental School respectively. The Ik-San Library (3,407m²) is located at the Ik-San city

campus and mainly provides resources in the fields of Life and Environmental Science alongside access to 337 reading tables. The Self-study Library is designed to provide access to space for individual or group study.

Machine Shop

• Homepage: http://ms.jbnu.ac.kr

• Phone: 82-(0)63-270-2259, Fax: 82-(0)63-270-4050

The Engineering College Machine Shop (ECMS) was established in 1983 to support Engineering Training Education, and research work. This machine shop manufactures various machinery tools and apparatus necessary for scientific research experiments. The ECMS is composed of both mechanical and electrical sectors and is assisted by three professional engineers who help to maintain equipment, machines, tools and other facilities. It currently owns and operates a variety of conventional cutting machines and is able to perform CNC machining, as well as offering a CNC lathe, an engine lathe, a CNC wire-cut electric spark machine, a band saw, a gear hobbing machine, a radial drilling machine, a hydraulic press brake machine and spot welding machine, among others. Moreover, the ECMS also has a complete machining workshop that utilizes turret universal milling M/C, surface grinding M/C, tig/mig-arc welding M/C, plasma cutting M/C, a surface roughness tester and microscopes for vision measuring.

Radiation Safety Center

• Homepage: http://rad.chonbuk.ac.kr

• Phone: 82-(0)63-270-3601, Fax: 82-(0)63-270-3936

The Radiation Safety Center was established in 1996 in order to provide services to users of radioactive materials and machines emitting ionizing radiation in compliance with governmental regulations.

The principal services of the Radiation Safety Center are as follows:

- Registration, training and guidance for RI users
- Governing the purchase of radioactive materials and machines emitting ionizing radiation
- Regular reviews of laboratory usage of radioactive materials
- Monitoring individuals in accordance with potential radiation exposures
- Management of radioactive waste, including removal, storage and disposal
- Calibration of radiation monitoring equipment
- Management of labs which were dedicated for the use of radioactive materials
- Documentation of RI-related works

Research Forest

• Phone: 82-(0)63-270-4711, Fax: 82-(0)63-270-2505

The Research Forest is a laboratory where on-the-spot experiments about all aspects of forestry are carried out. It offers research data about conserving superior forest tree genes and makes a stand for conservation of local traits. It also establishes rational management systems of forests, and proposes measures for the optimum production of forest products based on recent internal and external research. Aside from contributing for the increase of forest productivity, The Research Forest is widely used by the departments of forest resources, wood science and technology, and landscape architecture by setting up research systems regarding ecology, forest soil conservation, wildlife conservation, and forest scenery conservation. The Research Forest has provided a great service by promoting the welfare of the people, environmental control and scenic creation through the management of forest resources.

The Training Institute for Recreational and Leisure Sports Instructor (3rdLevel)at Chonbuk National University

• Homepage : http://home.jbnu.ac.kr/sports

• Phone: 82-(0)63-270-3590, Fax: 82-(0)63-270-2850

The Training Institute was founded in 1996 with Professor Bosam Shin being elected as the first director of the Institute and in that year, the center's first 113 instructors graduated. Currently, Professor Jongku Kang is serving his term (2012-2014) as the center's director. The goal of the center is to educate sports instructors in becoming more professional and knowledgeable in their major sports. In addition, the Institute strives to popularize all sports in the nation by supplying well-trained coaches, instructors and well-developed sports programs.

UNDERGRADUATE STUDIES

Admission

International admissions are handled by the International Affairs Office. Applicants submit to the office their applications forms, which are available on the International Affairs Office web site. After evaluation of each application, the office issues admission letters to those who are qualified for admission. The International Affairs Office publishes a booklet about the international admissions procedure twice a year, in April and in October. Applicants are referred to this booklet for more specific details. Applications by Korean nationals follow a different procedure; The Admissions Office handles all of the issues related to the admission of Korean applicants. This office publishes a booklet about its admissions procedure in January of every year,

Academic Calendar

The academic year begins on the first week of March and ends in February of the following year. Each academic year consists of the following two semesters: the first semester is from March until July, and the second is from August until December. Each semester includes 15 weeks of classes and a vacation period between each semester is offered. Typically, no classes are held on the University Foundation Day (October 15), weekends, and national holidays.

Duration of Study

The usual duration of study for each college is 4 years (8 semesters) with the exception of all majors in the College of Veterinary Medicine and the Architecture major in the College of Engineering. However, well qualified students with a grade point average of 90 or more can graduate in six or seven semesters. The duration of study for the College of Veterinary Medicine is 6 years (2 years of pre-medical study and 4 years of medical study) and 5 years for the Architecture major in the College of Engineering. The maximum duration of study cannot exceed two times the standard duration of a course.

Graduation and Grading

For graduation, normally students are required to earn a total of 140 or more credit hours; however, the Colleges of Education, Law, and Veterinary Medicine require 150 or more credit hours. Depending on their majors, students are required either to take a graduation exam or write a thesis in order to graduate. Undergraduate study includes general and major courses with many elective options. Students are advised to take 18-21 credit hours per semester. One credit hour is 15 hours of class or 30 hours of laboratory work. Grades are recorded on a 4,5 point scale. Each semester a warning letter is issued to students with a grade point average lower than 1.75. Ultimately, students with an accumulated grade point average lower than 1.75 will not be approved for graduation.

■ Tuition and Fees

Students are required to pay the designated amount of tuition and other necessary fees within a specified period. The sum and due date of the tuition and fees will be announced at the end of each semester. The approximate fees per semester are in the range described as follows: KW200,000 (registration: US\$200) + KW2,000,0000-4,000,0000 (tuition: US\$2000-4000). There are variations in tuition fees, depending on what majors are studied. There are also various kinds of scholarship offered to both international and domestic students,

GENERAL STUDIES

General Studies courses are essential to the university curriculum. They are designed to provide students with a broader knowledge and understanding of human life and natural phenomena, and to help students understand the ways of pursuing scholarship. These courses are differentiated from the major courses, and they cover all areas of liberal arts and sciences. Students are required to take a given number of courses among them. The requirements and electives may differ according to the demands of each department. In general, students are expected to develop and cultivate their minds to the best of their ability in order to prepare for their major courses as well as their future career. The courses are divided into four areas that are essential to a student's culture and education,

I. Logical Thinking & Communication Capability

Basis and Practice of Writing (3)

Writing in Humanities (2)

Modern Leadership and Discussion (3)

Understanding Presentation Technique (3)

Introduction to Logic (3) Communication Theory (2) Writing in Science & Technology (2)

Writing in Sciences (2)

Speech and Presentation (3)

Critical Thinking and Logic (3)

Reading and Life (3)

II. Creative Expertise Capability

Physical Phenomena and Principles (3)

Elementary Physics (3)

Physics for College (2)

General Physics 2 (3)

General Physics Lab 2 (1)

General Physics & Lab 2 (3)

Chemistry in Real Life (3)

Elementary Organic Chemistry (3)

Elementary Chemistry (3)

General Chemistry 1 (3)

General Chemistry 2 (3)

General Chemistry & Lab 1 (3)

General Chemistry & Lab 2 (3)

Understanding to life (3)

Humanity and Biotechnology (3)

Biological Sciences in living (3)

Understanding Environment and Organism (3)

Introduction to Biological Sciences (3)

General Biology & Lab 1 (3)

General Biology & Lab 2 (3)

Ocean and Climate (3)

Elementary Earth Science (3)

Mystery of the Universe (3)

Physics & Lab (3)

General Physics 1 (3)

General Physics Lab 1(1)

General Physics & Lab 1 (3)

World of Chemistry (3)

Chemistry & Lab (3)

Chemistry for College (2)

General Chemistry Lab 1(1)

General Chemistry Lab 2(1)

General Earth Science & Lab 1 (3)

General Earth Science & Lab 2 (3)

Earth and Environment (3)

Earth and Environment (5)

Our Amazing Earth and Environment (3)

Comprehension of Environmental Science (3)

Elementary Earth and Environmental Science (3) General Earth and Environmental Science & Lab 1 (3)

General Earth and Environmental Science & Lab 2 (3)

World of Mathematics (3)

Mathematics in Real Life (3)

Planning Cultural Events (2)

Science, Technology and Society (3)

Meeting Between Science and Philosophy (3)

Understanding Scientific History (3)

Understanding Integrated Arts Education

Programs (2)

Science and Culture (3) Mathematics 1 (3) Mathematics 2 (3)

Engineering Mathematics 1 (3)
Engineering Mathematics 2 (3)
Elementary Statistics 1 (3)
Elementary Statistics 2 (3)
Introductory Statistics (3)
Data Collection and Analysis (3)

Modern Architecture and Urbanism (3)
Descriptive Geometry and Exercise (3)

Introduction to Automobile Engineering (3)

Brain & Cognitive Learning (3) Modern World and Atomic age (3) Practical Use Mathematics (3) College Mathematics (2)

Introduction to Archaeology (3) Understanding Geography (3) Understanding Geography (3)

Public Health (3) Entrepreneurship (3) Practical Chinese (3)

Chinese Practical Character and Ancient History

Phrase (3)

Media and Marketing Communications (3)

Growth and Development (2) Global Engineering Ethics (3) Engineering Communication (3)

III. Democratic / Public / Ethics Capability

Understanding Religion (3)
Introduction to Ethics (3)
Introduction to Philosophy (3)

Human Beings and Education (3)

Understanding Law (3) Social Life and Law (3) Medicine and Law (3) Law and Women (3) Engineering and Law (3)

Understanding of Human Rights (3)

Mass Communication and Popular Culture (3)

Introduction to Modern Psychology (3)

Invitation to Sociology (3)

Understanding Society and Welfare (3)

Wood & Human Life (3)

Pet & Life (3)

Nature Environment and Tourism (3) Understanding Landscape Architecture (3)

Marriage and the Intimacy (3)

Understanding Korean Thoughts (3) Marriage and Family Relationship (3) Understanding Public Administration (3)

Understanding Local Government & Administration (3)

Understanding Policy Science (3) Understanding Political Science (3) Understanding North Korea (3)

War & Peace (3)

Introduction to Korean History (3) Great Figures in History (3)

History and Culture in Honam Region of Korea (3)

Introduction to Cultural History (3) Forest and Human Culture (3) Food and Human Beings (3) Flowers and Living (3)

Understanding Asian Thoughts (3)

Introduction to Culture (3)

Chinese Travel and Literature Story (3)

IV. Practical Job Capability

Introduction to Computer Programming (3) Introduction to Computer Imaging (3)

Understanding Computer Graphics (3)

Basic C Language (3) Digital Logic Design (3) Office Automation (3)

Introduction to Computer Science & Practice (3)

Introduction to Multimedia Graphic Design (3)

Internet Service (3)

Introduction to Animation (3)

Introduction to Imaging Art (3) Utilization of Library Data (3) Social Survey Research (3) Survey and Analysis(3)

Strategy in English Interview (3) Debate and Interview Practice (2)

Technical Specification Preparation & Practice (3)

Introduction to Engineering Design (3)

Understanding of the Small and Medium Business (2)

Introduction to Business Adminstration (3)

Multimedia Development (3)

Understanding Imaging New-Media (3)

History of Imaging Media (3) Understanding Global Economy (3) Introduction to International Trade (3) Understanding Photography (3) Culture and Tourism (3)

Consumer and Market (3) Understanding Leadership (3)

Career Planning (2)

Women's Occupation and Career Development (2)

Introduction to Business Adminstration (3)

Introduction to Economics (3) Food Habits and Culture (3) Women and Start-up (2) Women's and Science (2) Field Practice 1 (1)

Field Practice 2 (2) Field Practice 3 (3)

Vocational Attitude in Modern Society (2)

Freshman Seminars (1)

Occupation Aptitude & Duty Increasing (3)

V. Community Leadership

Volunteer Activities (1)

Understanding of Sports Science (3) Interpersonal Relations & Adjustment (3)

Strategic Human Relations (3)

Self Development and Leadership (3)

Understanding Traditional Korean Music (3)

Understanding Pansori (3)

Practice in Traditional Korean Culture (3)

Obesity & Sports Nutrition (3)

Special Lectures by Invited Speakers: Life Orientation and Career Development (2)

Self-healing in Life (3)

Personal Criticism in Chinese History (3) Women and Contemporary Society (3) Interdisciplinary Study Research (2) Global Coaching Leadership (3) Global Engineering Leadership (3) Communication Techniques (2)

VI. Global Partnership

Fundamental English (2)

Practical English 1 (3)

Practical English 2 (3)

English Reading & Comprehension (3)

Employment English (3)

Practical English Composition (3)

English Conversation (3) Advanced English Reading (3)

Multimedia and English Practise (3) Current English Listening and Debate (3)

Understanding English and American Literature (3)

Understanding English and American Culture (3)

Basic German 1 (3) Basic German 2 (3)

Understanding German Literature (3)
Understanding German Culture (3)
Understanding Japanese Culture (3)
Chinese character and Korean-using life (3)

Introduction to the Theories of the Art & Literature (3)

Language and Mass Media (3)

Understanding Contemporary Korean Literature (3)

Women's Life and Literature (3) Korean literature and cultural Issue (3)

Appreciation of the Oriental Art (3)

Basic Korean for Foreigners(Writing) (3)

Beginning French (3) Practical French (3)

Trip for the France museum (3)

View Cinema of French and Europe (3)

Beginning Spanish (3) Practical Spanish (3)

Understanding Spanish Latin-American Literature (3) Understanding Spanish Latin-American Culture (3)

Understanding Human and Civilization (3)

Fashion for Modern (3)

Contemporary Food and Nutrition (3)

Introduction to Oenology (3) Beginning Chinese (3) Beginning Japanese (3) Practical Japanese (3)

Understanding Japanese Literature (3) Appreciation of the Western Art (3)

Opera & Musical (3) Trip for Classical Music (3)

Color and Design (3)

Understanding advertisement (3)

Understanding Modern Design (3)

Understanding Dance (3)

Literature, Culture Contents of Ho-Nam (3)

Rice, Life & Civilization (3) Modern Society and Sports (3)

Sports and Health (3)

Understanding of Recreation (3)

Multicultural Society and Sustainable Development (3)

Understanding Chinese Culture and Art (3)

Understanding Oriental History (3) Understanding Western History (3) International Relations and Korea (3)

An Introduction to Hanok (3)

Basic Korean for Foreigners(Listening) (3) Basic Korean for Foreigners(Speaking) (3) Basic Korean for Foreigners(Reading) (3) Intermediate Korean for Foreigners(Vocabulary & Grammar) (3)

Understanding Movies (3)

Understanding Theater Art (3)

Advanced Korean for Foreigners(Listening) (3)

Basic Korean for Foreigners (Vocabulary & Grammar) (3)

Intermediate Korean for Foreigners(Listening) (3)

Intermediate Korean for Foreigners(Speaking) (3)

Intermediate Korean for Foreigners(Reading) (3)

Intermediate Korean for Foreigners(Writing) (3)

Advanced Korean for Foreigners(Speaking) (3) Advanced Korean for Foreigners(Reading) (3)

Advanced Korean for Foreigners(Writing) (3)

Advanced Korean for Foreigners (Vocabulary &

Grammar) (3)

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

The College of Agriculture and Life Science shares in CBNU's historical roots; it was founded as Iri Agricultural College by the Jeonbuk Provincial Government in 1948. Since then, the college has offered outstanding academic programs in agriculture, natural resource management, and life science. The college is comprised of five divisions, thirteen departments, five research institutes or centers, and it is also involved with several interdisciplinary centers as part of the CBNU Industrial Cooperation Foundation. The college is a large community of about 2,000 undergraduate and graduate students, 70 nationallyrecognized faculty members, and 35 members of staff - each excelling in their fields. The college trains students to participate in pioneering roles within agriculture, forestry, stock farming and other related fields in response to the growing need for upgraded plantation production, food processing, land use, environmental conservation, the management of livestock, and so forth. The purpose of its academic programs is to place emphasis on the learning of fundamental theories and on professional preparation for careers. The college is also equipped with experimental farms and woodland, modern laboratories, and is affiliated with facilities that have state-of-the-art equipment to enable the development of progressive academic and research opportunities for undergraduate and graduate students. It has produced 12,000 alumni who currently work in government agencies, industrial companies, research institutes, universities, and others.

Department of Agricultural Biology

Homepage: http://home.chonbuk.ac.kr/agribio

Phone: 82-(0)63-270-2524

The Department of Agricultural Biology aims to provide students with the basic skills and knowledge necessary for adequate plant protection. The curriculum is based on biology and agronomy with an emphasis on integrated pest management. The lectures include principles of pure and agricultural biology and students may choose from two areas of this program.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Principles of Crop Production (3) Bio-Chemistry (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME 2-1-ME	General Entomology & Lab. (3) Agricultural Microbiology & Lab. (3) Genetics & Lab. (3) Plant Taxonomy (3) Soil Biology (3) Field Survey (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Insect Taxonomy & Practice (3) Plant Pathology & Lab. (3) Plant Physiology (3) Biotechnology (3) Soil Science & Fertilizers (3) Agricultural Chemicals (3)

			·
3-1-MR	Fungal Disease in Plant & Practice (3)	3-2-MR	Viral Disease in Plant & Practice (3)
3-1-MR	Agricultural Insect Pests & Practice (3)	3-2-ME	Insect Physiology & Lab. (3)
3-1-ME	Insect Ecology & Practice (3)	3-2-ME	Biological Control of Agricultural Pests (3)
3-1-ME	Medical Entomology (3)	3-2-ME	Management of Plant Diseases (3)
3-1-ME	Breeding for Disease Resistance (3)	3-2-ME	Biometrics (3)
3-1-ME	Forest Pathology (3)	3-2-ME	Weed Science & Practice (3)
4-1-MR	Bacterial Disease in Plant & Practice (3)	4-2-ME	Plant Protection from Disease 2 (3)
4-1-ME	Plant Protection from Insect Pests 1 (3)	4-2-ME	Integrated Management of Insect Pests (3)
4-1-ME	Biological Quarantine (3)	4-2-ME	Seed Pathology (3)
4-1-ME	Apiculture (3)	4-2-ME	Forest Entomology (3)
4-1-ME	General Mushroom Science (3)	4-2-ME	Insects as Natural Resources (3)

Faculty

· JU, Ho-Jong, Ph.D. Assistant Professor, Plant Pathology (Virology), 270-2519

KIM, Hyung-Moo, Ph. D. Professor, Plant Pathology (Mycology), 270-2527
KIM, Jae Su, Ph. D. Assistant Professor, Insect Pathology, 270-2525

· LEE, Jong-Jin, Ph.D. Professor, Insect Physiology, 270-2528

· LEE, Wang-Hyu, Ph. D. Professor, Plant Pathology (Bacteriology), 270-2530

Department of Agricultural Economics

Homepage: http://agri.chonbuk.ac.kr/aec

Phone: 82-(0)63-270-2532

The Department of Agricultural Economics focuses on various issues related to agriculture and farm village life from an economic prospective. The department offers various courses related to agricultural economics and general economic principles; macro-economics, micro-economics, econo-metrics, and sociology. For the purpose of learning agriculture, resource-economics and practical-knowledge, the department stresses techniques related to current social and economic trends.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-MR 1-2-ME	Principle of Economics 1 (3) Socio-Economic History (3) Statistical Information (3)
2-1-MR 2-1-MR	Principle of Economics 2 (3) Introduction to Farm Management (3)	2-2-MR 2-2-ME	Agricultural Economics (3) Applied Economics Statistics (3)

2-1-ME 2-1-ME	History of Rural and Agriculture (3) Principle of Cooperatives (3)	2-2-ME 2-2-ME 2-2-ME	Applied Mathematical Economics (3) Marketing Economics (3) Accounting and Financial Analysis (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Agricultural Policy (3) Food Economics (3) Applied Econometrics (3) Rural Sociology (3) Agricultural Production Economics (3) Applied Management Information System to Agriculture (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Political Economics (3) Farm Organization and Planning (3) Economics of Agricultural Financing (3) Economics of Agricultural Development (3) Food Economics (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Management of Food Industry (3) Agri-food Marketing (3) Resource and Environmental Economics (3) Overseas Agricultural Production (3) Regional Economics (3) Rural Tourism (3) Welfare Economics (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Land Economics (3) Comparative Analysis of Food Culture (3) Ecological Economics (3) Rural Development Planning (3) Agribusiness (3) Industrial Organization of Food System (3)

Faculty

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· Yang, Byung-woo, Ph.D. Professor, Agricultural Policy, ybw@chonbuk.ac, kr, 270-2636

· Baek, Seung-Woo, Ph D. Professor, Agricultural Marketing, bsw@jbnu.ac.kr, 270-2535

Department of Animal Biotechnology

Homepage: http://home.jbnu.ac.kr/animalbio

Phone: 82-(0)63-270-4748

The Animal Biotechnology major emphasizes the development of competitiveness and expertise for future leaders with principles, applied techniques and skills in high-tech laboratory technologies. In order to strengthen the employability of our graduates, the department provides multi-educational systems fusing Animal Biotechnology with ET, NT and IT. We focus on cultivating professionals and scholars who can apply their learning globally and serve the welfare of human society, as well the nation. Animal-related industries and their academic domains are becoming more diversified and specialized due to both an increase in productivity and the invention of new functioning materials, driven by the development of technology and facility automation. Meeting the demands of the time, the Animal Biotechnology major plays a leading role in developing animal resources and advancing life science and, furthermore, it educates skilled professionals improving the well-being and welfare of humanity.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Biochemistry (3)
		1-2-ME	Animal Experimental Statistics (3)
		1-2-ME	International to Animal Biotechnology (3)
2-1-MR	Animal Physiology I (3)	2-2-MR	Molecular Cellular Biology (3)
2-1-ME	Animal Genetics (3)	2-2-ME	Population Genetics (3)
2-1-ME	Animal Biochemistry (3)	2-2-ME	Forage Utillization (3)
2-1-ME	Microbiology (3)	2-2-ME	Experimental Animal (3)
2-1-ME	Animal Nutrition (3)	2-2-ME	Animal Immunology (3)
2-1-ME	Muscle Biology (3)	2-2-ME	Animal Physiology II (3)
		2-2-ME	Storage of Muscle Food (3)
3-1-MR	Animal Breeding (3)	3-2-MR	Animal Reproduction (3)
3-1-MR	Animal Feeding (3)	3-2-MR	Domestic Animal Production (3)
3-1-ME	Animal Immunology (3)	3-2-ME	Muscle Food Processing & Practice (3)
3-1-ME	Animal Resources Business (3)	3-2-ME	Molecular Genetics (3)
3-1-ME	Avian Science (3)	3-2-ME	Swine Science (3)
		3-2-ME	Horse Affairs (3)
4-1-ME	Method of Thesis Preparation (3)	4-2-ME	BioEnergy (3)
4-1-ME	Animal Production & Environment (3)	4-2-ME	Feed Manufacturing Technology (3)
4-1-ME	Animal Embryology (3)	4-2-ME	Law & Regulations on Animal Industry (3)
4-1-ME	Beef Cattle Production (3)	4-2-ME	Animal Disease (3)
4-1-ME	Semina in Animal Biotechnology	4-2-ME	Genetic Engineering (3)

MR: Major Required, ME: Major Elective

Faculty

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Lee, Mun-jun, Ph. D. Professor, Muscle biology, mjlee@jbnu.ac.kr 270-4831
Choi, Ho-Sung, Ph. D. Professor, Animal genetics, hschoe@jbnu.ac.kr 270-2013
Shim, Gwan-seop, Ph. D. Professor, Molecular physiology, ksshim@jbnu.ac.kr 270-2609

Department of Animal Science

Homepage: http://animalsci.jbnu.ac.kr

Phone: 82-(0)63-270-2604

The Department of Animal Science trains students to become professionals who will guide the future animal science industry, through scientific and systematic education in the fields of animal biotechnology, animal production, farm management, industrial processing, nutrition and other related fields. The animal science unit provides training and knowledge about processing technology for meat, milk and

eggs, animal breeding, improvement in animal performance, reproduction, grassland management and nutrition. Aside from the study of domestic animals like cattle, pigs and poultry, the animal science unit is also offering various courses in animal welfare, special animals, pet animals and horses. We offer special training in the fields of functional foods, HACCP, the environment etc. Students can participate in hands-on training at the university animal farm and at the meat processing plant which also has research facilities. The processing plant, CBNU Ham, produces products and supplies Hammy Yummy (an on-campus sandwich shop) which is another university enterprise.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Animal Resoures (3)
		1-2-ME	Animal Experimental Statistics (3)
		1-2-ME	Pet Animal Sciences (3)
		1-2-ME	International Agriculture (3)
2-1-ME	Introduction to Biochemistry (3)	2-2-MR	Animal Nutrition (3)
2-1-ME	Animal Physiology (3)	2-2-MR	Animal Genetic & Breeding (3)
2-1-ME	Functional Animal Foods (3)	2-2-ME	Animal Molecular Biology (3)
2-1-ME	Industrial Microbiology& Lab. (3)	2-2-ME	Ruminant Nutrition (3)
2-1-ME	Feed Science & Lab. (3)	2-2-ME	Grassland Science (3)
		2-2-ME	Food Microbiology (3)
3-1-MR	Meat Science (3)	3-2-MR	Animal Production (3)
3-1-MR	Animal Reproduction & Lab. (3)	3-2-ME	Farm Management & Practice (3)
3-1-ME	Poultry Production (3)	3-2-ME	Meat Processing & Practice (3)
3-1-ME	Dairy Production & Lab. (3)	3-2-ME	Milk Processing & Lab. (3)
3-1-ME	Swine Science (3)	3-2-ME	Animal Hygiene (3)
		3-2-ME	Animal Artificial Insemination (3)
4-1-ME	Seminar in Animal Science (3)	4-2-ME	Beef Production (3)
4-1-ME	Animal Disease (3)	4-2-ME	Inspection and Analysis of Animal Products (3)
4-1-ME	Livestock Environment (3)	4-2-ME	Livestock Farm Business (3)
4-1-ME	Monogastric Animal Nutrition (3)	4-2-ME	Animal Welfare (3)
4-1-ME	HACCP (3)		

MR: Major Required, ME: Major Elective

Faculty

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· Kim, Jong Gug, Ph.D. Associate Professor, Animal Reprocuction, jonggugkim@jbnu.ac.kr,

270-2509

· Choi, Nag Jin, Ph.D. Assistant Professor, Ruminant Nutrition and Microbiology,

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· Kim, Young Hoon, Ph.D. Assistant Professor, Dairy Food Microbiology & Hygiene,

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Department of Bioenvironmental Chemistry

Homepage: http://bioenv.chonbuk.ac.kr

Phone: 82-(0)63-270-2541

The Department of Bioenvironmental Chemistry focuses on the study of applied science that deals with life phenomena, biological substances and the environment from the perspective of chemistry. The department is a unit of the graduate school, thus students can take bachelor's, master's, and doctorate degrees. Undergraduate and graduate students can take outstanding courses in various disciplines such as plant and soil systems, pesticide science, applied biochemistry, microbiology, plant nutrition, environmental science in agriculture, and others. Graduates can obtain national certificates as agricultural chemistry engineers, food process manufacturing engineers, quality control engineers and/or environmental engineers.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Bioorganic Chemistry (3)
		1-2-ME	Introduction to Environmental Science (3)
2-1-MR	Plant Nutrition (3)	2-2-MR	Agro-environmental Science (3)
2-1-MR	Environmental Soil Science (3)	2-2-MR	Biochemistry 2 (3)
2-1-ME	Biochemistry 1 (3)	2-2-ME	Fertilizer (3)
2-1-ME	Environmental Ecology (3)	2-2-ME	Analytical Chemistry (3)
2-1-ME	Microbiology (3)	2-2-ME	Experimental Statistics (3)
2-1-ME	Principles of Cultivation (3)	2-2-ME	Environmental Soil Chemistry (3)
3-1-MR	Pesticide Science (3)	3-2-MR	Bioenvironmental Chemistry Lab. 2 (3)
3-1-ME	Bioenvironmental Chemistry Lab.1 (3)	3-2-ME	Introduction to Environmentally-Friendly
3-1-ME	Instrumental Analysis (3)		Agriculture (3)
3-1-ME	Environmental Soil Physic (3)	3-2-ME	Soil Microbiology (3)
3-1-ME	Environmental Toxicology (3)	3-2-ME	Applied Chemistry of Enzyme (3)
3-1-ME	Biomaterial Chemistry (3)	3-2-ME	Humus Chemistry (3)
		3-2-ME	Bioresources (3)
4-1-ME	Environmental Pollution and Remediation (3)	4-2-ME	Applied Radiochemistry (3)
4-1-ME	Pesticide Chemistry (3)	4-2-ME	Agro-environmental Chemistry (3)
4-1-ME	Agricultural Genetic Engineering (3)	4-2-ME	Safety of Agricultural Products (3)
4-1-ME	Fate of Environmental Resources (3)	4-2-ME	Environmental Microbiology (3)
4-1-ME	Microbial Biochemistry (3)	4-2-ME	Plant Biotechlogy (3)

MR: Major Required, ME: Major Elective

Faculty

· Lee, Hoi-seon, Ph.D. Professor, Biochemistry, hoiseon@jbnu.ac.kr, 270-2544

· Lee, Jin-ho, Ph.D. Associate Professor, Environmental Soil Science, jinholee@jbnu.ac.kr,

270-2545

· Cho, Jae-young, Ph. D. Associate Professor, Agricultural Environmental Science,

soilcosmos@jbnu.ac.kr, 270-2547

Department of Bioindustrial Machinery Engineering

Homepage: http://home.chonbuk.ac.kr/bime

Phone: 82-(0)63-270-2613

The Department of Bioindustrial Machinery Engineering is devoted to the academic discipline in which activities encompass the application of engineering principles and technology to the production, processing, and utilization of bioresources and food materials. The department contributes to the nation's economic growth and improves the quality of human life through increased productivity, the creation of value-added products during production, and the processing of bioresources and food materials. The broad spectrum of Bioindustrial Machinery Engineering requires special knowledge and skills related not only to other diverse branches of engineering but also to the bioresources. The curriculum consists of courses related to the basic engineering principles found in mechanical engineering, electrical/electronic engineering, and computer engineering as well as those which represent the unique characteristics of bioindustrial machinery engineering. In addition to the five well-equipped specialized laboratories, the department has many supporting facilities including a computing laboratory, a machine shop, an experiment field, and a pilot glasshouse improving education and making outstanding research possible.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Computer in Agriculture & Practice (3)
		1-2-ME	Biosystems Engineering Mechanics 1 (3)
2-1-ME	Biological Applied Mathematics 1 (3)	2-2-MR	Biological Thermodynamics (3)
2-1-ME	Biosystems Engineering Mechanics 2 (3)	2-2-ME	Fluid Mechanics & Machinery (3)
2-1-ME	Horticultural Products System Engineering (3)	2-2-ME	Numerical Analysis (3)
2-1-ME	Bioelectric Engineering & Practice (3)	2-2-ME	Biological Applied Mathematics 2 (3)
2-1-ME	Bioindustrial Machinery Engineering Practice (3)	2-2-ME	Bioelectronics & Practice (3)
2-1-ME	Drawing & Practice (3)		
3-1-MR	Bioproduction Machinery Engineering & Practice (3)	3-2-MR 3-2-MR	Bioresource System & Environment Control (3) Design of Machine Elements (3)
3-1-MR	Bioresource Process Engineering & Practice 1 (3)	3-2-ME	Bioindustrial Mechanical Technology (3)
3-1-MR	Bioinstrumentation & Practice (3)	3-2-ME	Food Processing Machinery (3)
3-1-ME	Solid Mechanics (3)	3-2-ME	Tractor Engineering & Practice 2 (3)
3-1-ME	Biological Heat Transfer Engineering (3)	J Z WL	
3-1-ME	Tractor Engineering & Practice 1 (3)		
4-1-ME	Physical Properties of Agricultural Products (3)	4-2-ME	Biomechatronics (3)
4-1-ME	Design & Analysis of Bioindustrial Machinery (3)	4-2-ME	Seminar on Biosystems Engineering 2 (3)
4-1-ME	Seminar on Biosystems Engineering 1 (3)	4-2-ME	Bioindustrial Machinery Control Engineering (3)
4-1-ME	Bioindustrial Hydraulic Engineering (3)	4-2-ME	Bioresource Storage Engineering (3)
4-1-ME	Biological Thermal Engineering (3)	4-2-ME	Biowastes Management Engineering (3)
4-1-ME	Image Processing in Biosystems (3)	4-2-ME	Bioresource Process Engineering & Practice 2 (3)

MR: Major Required, ME: Major Elective

Faculty

Park, Seung-je, Ph.D. Professor, Bioenergy Engineering and Biowaste Treatment, sjpark@chonbuk.ac.kr, 270-2615
Kim, Chul-soo, Ph.D. Professor, Application of Image Processing and Machine Vision, cskim@chonbuk.ac.kr, 270-2616
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Kim, Myoung-ho, Ph.D. Professor, Food Processing Machinery, myoung59@chonbuk.ac.kr, 270-2619
Kim, Seong-min, Ph.D. Professor, Sensors and Nondestructive Quality Measurement, smkim@chonbuk.ac.kr, 270-2617
Kim, Dea-cheol, Ph.D. Assistant Professor, Field Machinery Engineering(Including Livestock

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Department of Bioscience and Rural Resources

Homepage: http://barr.chonbuk.ac.kr

Phone: 82-(0)63-270-4956

The Department of Bioscience and Rural Resources was founded to train professionals with practical business ability in the related industries. It aims to produce future-oriented technical professionals with both leadership and a professional skill-set in the convergent academic fields of the agrifood industry and of agricultural resources.

The Department of Bioscience and Rural Resources provides academic studies that bring together the fields of agricultural life and agricultural resources, such as the food processing industries of both plants and animals. Curriculums are provided for the two fields.

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Food Resources Science (3)	1-2-MR	Rural Planning (3)
1-1-ME	Introduction to Bioindustry (3)	1-1-ME	Introduction to Rural Culture (3)
1-1-ME	Rural Development (3)	1-1-ME	Life and Horticulture (3)
1-1-ME	Landscape Resources (3)	1-1-ME	Functional Foods of Animal Origin (3)
2-1-MR	Management of Animal Resources (3)	2-2-MR	Planning of Rural Landscape (3)
2-1-ME	Environment-Friendly Agricultural Science (3)	2-2-ME	Resource Botany (3)
2-1-ME	Recreation & Tourism Development (3)	2-2-ME	Seed Science and Technology (3)
2-1-ME	Ecological Economics (3)	2-2-ME	Fermentation Industry (3)
2-1-ME	Case Study on Advanced Horticulture (3)	2-2-ME	Case Study on Advanced Rural Villages (3)
3-1-MR	Food Resources Technology (3)	3-2-MR	Rural Resources Economics (3)
3-1-ME	Crop Breeding (3)	3-2-ME	Ecological Restoration of Natural Environment (3)
3-1-ME	Design of Healing Landscape (3)	3-2-ME	Wild Plant Resources (3)
3-1-ME	Forest Resource Management (3)	3-2-ME	Animal Biotechnology (3)
3-1-ME	Case Study on Oversea Advanced Rural Area (3)	3-2-ME	Case Study on Advanced Agrifood Technology (3)

4-1-ME	Economics of Agro-food Consumption (3)	4-2-ME	Aesthetics of Rural Landscape (3)
4-1-ME	Meat Science (3)	4-2-ME	Study on Healthy Housing (3)
4-1-ME	Management of Crop Disease and Pest (3)	4-2-ME	Tree Disease &Insects control (3)
4-1-ME	Woodworking Recreation (3)	4-2-ME	Bioproduction System (3)
4-1-ME	Insects as a Natural Resource (3)	4-2-ME	Animal and Environmental Hygiene (3)
4-1-ME	Soil & Water Conservation (3)	4-2-ME	Science of Climate Change and Future Agriculture
			(3)

Faculty

· Park, Chong-Min, Ph.D. Professor, Forest Engineering, Forest Resources, cmpark@jbnu.ac.kr, 270-2639

Jeong, Yong-seob, Ph.D. Professor, Biochemical Engineering, ysjeong@cjbnu.ac.kr, 270-2571
Ahn, Deug-soo, Ph.D. Professor, Landscape Architecture, laahn@jbnu.ac.kr, 270-2599

· Hwang, In-ho, Ph.D. Assistant Professor, Meat Science, inho.hwang@chonbuk.ac.kr, 270-2605 · Choi, Dong-geun, Ph.D. Assistant Professor, Fruit Science, choidg61@chonbuk.ac.kr, 270-2577

Department of Crop Science and Biotechnology

Homepage: http://agri.chonbuk.ac.kr/crop

Phone: 82-(0)63-270-2506

The Department of Crop Science and Biotechnology educates students in the field of crop science with traditional and high-technology courses such as food production, biotechnology, utilization of germplasm and natural phytochemicals, and environment-friendly cropping systems, to name just a few. The department leads students in acquiring basic knowledge of natural and life science, and develops their theoretical and practical knowledge of industry practices through various experiments in laboratories as well as through lectures in the classroom. The graduates of this department will be able to make contributions to future industries ranging from traditional agricultural industries to the highly modernized bio-industry.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Principles of Crop Production (3) Biochemistry (3)
2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME	Plant Molecular Biology & Lab. (3) Rice Science & Practice (3) Plant Genetics & Lab. (3) Soil Science (3) Crop Ecology (3)	2-2-MR 2-2-MR 2-2-MR 2-2-ME	Crop Breeding & Lab. 1 (3) Upland Crops & Practice 1 (3) Crop Physiology & Lab. (3) Cell Biology (3)
3-1-MR	Special Crops & Practice 1 (3)	3-2-ME	Plant Genetic Engineering & Lab. (3) Biostatistics (3)

3-1-ME	Crop Breeding & Lab. 2 (3)	3-2-ME	Special Crops & Practice 2 (3)
3-1-ME	Plant Molecular Genetics (3)	3-2-ME	Plant Nutrition (3)
3-1-ME	Upland Crops & Practice 2 (3)	3-2-ME	Seed Science & Lab. (3)
3-1-ME	Plant Tissue Culture & Lab. (3)	3-2-ME	Biostatistics (3)
4-1-ME	Agricultural Produce Quality Management (3)	4-2-ME	Undergraduate Seminar in Crop Science (3)
4-1-ME	Plant Genetic Resources Conservation &	4-2-ME	Resources Plant Science (3)
	Management (3)	4-2-ME	New Challenges in Agriculture (3)
4-1-ME	Natural Products Chemistry (3)	4-2-ME	Sustainable Agriculture (3)
4-1-ME	Plant Genomics (3)	4-2-ME	Bioenergy Science (3)
4-1-ME	Medicinal Crops (3)	4-2-ME	Agricultural Meteorology (3)
4-1-ME	Weed Ecology (3)		

Faculty

· Lee, Kang-soo, Ph. D. Professor, Plant Physiology, Weed Science, Plant Ecology, kangsoo@jbnu.ac.kr, 270-2507

· Yun, Song-joong, Ph. D. Professor, Plant Molecular Genetics & Breeding, sjyun@jbnu.ac.kr, 270-2508

· Chung, Nam-jin, Ph. D. Associate Professor, Rice Science, Seed Science, Crop Production,

nichung@jbnu.ac.kr, 270-2512

Choo, Byung-kil, Ph. D. Lecturer, Special Crops, bkchoo@jbnu.ac.kr, 270-2526
Park, Chul-soo, Ph. D. Lecturer, Upland Crops, pcs89@jbnu.ac.kr, 270-2533

Department of Food Science & Technology

Homepage: http://foodtech.jbnu.ac.kr

Phone: 82-(0)63-270-2565

The Department of Food Science and Technology introduces and surveys the complex interrelationships between the properties of food materials, methods of handling and manufacturing them into useful products, and their long-term preservation. Recently, growing demand for health-oriented foods, processed foods for convenience, and palatable, nutritious, low cost foods means there is industry-wide demand for food scientists who are trained in general science and applied fields. Graduates from this department will be highly valuable in the field of food manufacturing for factories, R&D organizations, food related institutes, agriculture related institutes, government agencies, as middle & high school teachers, and in other food science related fields.

Year	Course (Credit)	Year	Course (Credit)
	General Studies		Organic Chemistry (3) Food Materials (3)

		1	
2-1-MR	Food Microbiology 1 (3)	2-2-MR	Food Chemistry 2 (3)
2-1-MR	Food Biochemistry 1 (3)	2-2-ME	Food Biochemistry 2 (3)
2-1-ME	Food Chemistry 1 (3)	2-2-ME	Physical Chemistry for Food (3)
2-1-ME	Food Microbiology Lab. (1)	2-2-ME	Food Microbiology 2 (3)
2-1-ME	Analysis Chemistry (3)	2-2-ME	Food Analysis & Analysis Chemistry Lab. (3)
2-1-ME	Food Organic Chemistry (3)		
3-1-MR	Food Processing 1 (3)	3-2-MR	Food Enzymology (3)
3-1-MR	Food Engineering (3)	3-2-ME	Food Processing 2 (3)
3-1-ME	Nutrition Chemistry (3)	3-2-ME	Food Hygienics (3)
3-1-ME	Introduction to Molecular Biology(3)	3-2-ME	Food Molecular Biology (3)
3-1-ME	Fermentation Chemistry (3)	3-2-ME	Food Quality Control (3)
3-1-ME	Food Processing Lab. 1 (1)	3-2-ME	Food Processing Lab. 2 (1)
3-1-ME	Food Chemistry Lab. (1)	3-2-ME	Food Engineering Lab. (1)
3-1-ME	Field Practice 1 (1)		
4-1-ME	Biotechnology and Bioengineering(3)	4-2-ME	Instrumental Food Analysis (3)
4-1-ME	Fermentation Technology 1 (3)	4-2-ME	Food Additives (3)
4-1-ME	Food Packaging (3)	4-2-ME	Functional Food (3)
4-1-ME	Food Regulation (3)	4-2-ME	Fermentation Technology 2 (3)
4-1-ME	Food Hygienics Lab. (1)	4-2-ME	Natural Products Utilization (3)
		4-2-ME	Food Preservation (3)

Faculty

Jeong, Yong-seob, Ph. D. Professor, Food and Bioprocess Engineering, ysjeong@jbnu.ac.kr, 270-2571
Kim, Young-soo, Ph. D. Professor, Food Chemistry & Cereal Processing, ykim@jbnu.ac.kr, 270-2569
Kim, Myung-kon, Ph. D. Professor, Food Fermentation Technology, kmyuko@jbnu.ac.kr, 850-0732
Song, Geun-seoup, Ph. D. Professor, Food Analysis & Food Chemistry, songgs@jbnu.ac.kr, 850-0752
Yun, Soon-il, Ph. D. Associate Professor, Food Microbiology, siyun@jbnu.ac.kr, 270-2566
Kim, Yong-suk, Ph. D. Associate Professor, Food Processing, kimys08@jbnu.ac.kr, 270-2567
Kim, Kwang-pyo, Ph. D. Assistant Professor, Food Materials Science, kpkim@jbnu.ac.kr, 270-2570

Department of Forest Environmental Science

Homepage: http://fore.jbnu.ac.kr/fe/

Phone: 82-(0)63-270-2583

The Department of Forest Environmental Science deals with applied science related to all types of the production factors in the creation of forest resources. The department teaches students how to establish the most ideal forest conditions to achieve effective and rational management of its resources. By doing so, many contributions will be made to the national economy, conservation, public health, recreation and tourism.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
		1-2-ME	Tree Morphology & Practice(3)
2-1-MR	Dendrology & Practice 1(3)	2-2-MR	Forest Environment Conservation(3)
2-1-MR	Silviculture & Practice 1(3)	2-2-ME	Dendrology & Practice 2 (3)
2-1-MR	Environmental Forestry(3)	2-2-ME	Silviculture & Practice 2 (3)
2-1-ME	Forest Surveying & Practice(3)	2-2-ME	Forest Recreation Science (3)
2-1-ME	Forest Resources Mensuration & Practice(3)	2-2-ME	Computer Aided Forest Design(2)
3-1-MR	Forest Environment Conservation Engineering(3)	3-2-ME	Urban Forest Management (3)
3-1-MR	Forest Management & Practice(3)	3-2-ME	Forest Road Engineering(3)
3-1-ME	Garden Trees Management (3)	3-2-ME	Forest Information System (3)
3-1-ME	Forest Microbiology (3)	3-2-ME	Tree Diseases Diagnosis & Control(3)
3-1-ME	Forest Policy(3)	3-2-ME	Forest Ecology(3)
3-1-ME	Forest Soil Science & Forest Land Fertilization(3)	3-2-ME	Forest Environment Resources Evaluation(3)
		3-2-ME	Forest Resources Distribution(3)
4-1-MR	Field Synthetic Practice (1)	4-2-ME	Special Use Tree Cultivation(3)
4-1-ME	Forest Regeneration (3)	4-2-ME	Wild Life Management (3)
4-1-ME	Forest Recreation Design (3)	4-2-ME	Forest Environment Restoration(3)
4-1-ME	Forest Harvesting System(3)	4-2-ME	Forest Economics (3)
4-1-ME	Forest Growth & Yield Modeling(3)	4-2-ME	Forest Mycology (3)
4-1-ME	Forest Insect Forecast & Control(3)	4-2-ME	Forest Genetics & Breeding(3)
4-1-ME	Forest Law(3)		

MR: Major Required, ME: Major Elective

Faculty

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· Park, Chong-Min, Ph.D.	Professor, Forest Engineering, Forest Resources, cmpark@jbnu.ac.kr, 270-2639
· Lee, Sang-Hyun, Ph.D.	Professor, Forest Management, Forest Mensuration, leesh@jbnu.ac.kr. 270-2587
· Han, Sang-Sub, Ph.D.	Associate Professor, Forest Protection, Tree pathology, sshan@jbnu.ac.kr, 270-2588
· Kang, Hag-Mo, Ph.D.	Assistant Professor, Forest Policy, kanghagmo@jbnu.ac.kr, 270-2534

Department of Horticulture

Homepage: http://hort.chonbuk.ac.kr

Phone: 82-(0)63-270-2574

The Department of Horticulture educates students in both the theory and practice of breeding,

production, quality improvement, preservation, marketing, and management of horticultural crops. Horticultural crops include vegetables, fruits, flowers and landscape plants. The department contributes to the development of horticultural industries through applied research in genetic engineering, greenhouse operations and management, horticultural decoration, and the production of horticultural crops.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Principles of Crop Production (3)
		1-2-ME	Biochemistry (3)
2-1-MR	Physiology of Horticultural Crops & Lab. (3)	2-2-MR	Agricultural Genetics & Lab. (3)
2-1-ME	Principles of Horticultural Science (3)	2-2-MR	Greenhouse Management (3)
2-1-ME	Horticultural Plant Propagation & Practice (3)	2-2-ME	Fertilizer (3)
2-1-ME	Anatomy and Morphology of Horticultural Plants	2-2-ME	Plant Growth Regulation (3)
	(3)	2-2-ME	Flower Decoration & Design (3)
2-1-ME	Soil Science (3)	2-2-ME	Molecular Biology (3)
3-1-MR	Principles of Vegetable Crops & Practice (3)	3-2-ME	Vegetable Crops & Practice (3)
3-1-MR	Principles of Floral Plants & Practice (3)	3-2-ME	Particulars of Floral Plants & Practice (3)
3-1-MR	Principles of Fruit Growing & Practice (3)	3-2-ME	Particulars of Fruit Growing & Practice (3)
3-1-ME	Horticultural Plant Breeding & Lab. (3)	3-2-ME	Plant Tissue Culture & Lab. (3)
3-1-ME	Horticultural Plant Ecology (3)	3-2-ME	Horticultural Resources Botany (3)
3-1-ME	Weed Science (3)	3-2-ME	Seed Production of Horticultural Crops (3)
4-1-MR	Farm Practice (1)	4-2-ME	Agricultural Meteorology (3)
4-1-ME	Western Vegetable Crops (3)	4-2-ME	Storage of Horticultural Products (3)
4-1-ME	Indoor Plants (3)	4-2-ME	Horticultural Theraphy (3)
4-1-ME	Biotechnology in Agriculture (3)	4-2-ME	Crop protection (3)
4-1-ME	Biological Statistics (3)	4-2-ME	Sustainable Agriculture (3)
4-1-ME	Farm Management (3)		

MR: Major Required, ME: Major Elective

Faculty

· Ko, Jeong-ae, Ph.D.	Professor, Floricultural Science and Plant Tissue Culture, kjam@jbnu.ac.kr, 270-2580
· Guak, Sung-hee, Ph.D.	Associate Professor, Crop Physiology and Crop Ecology, guaks@jbnu.ac.kr, 270-2575
· Choi, Dong-geun, Ph.D.	Associate Professor, Fruit Science, choidg61@jbnu.ac.kr, 270-2577
· Lee, Jun-Gu, Ph.D.	Assistant Professor, Vegetable Crop Science, jungu@jbnu.ac.kr, 270-2578

Department of Landscape Architecture

Homepage: http://la.jbnu.ac.kr Phone: 82-(0)63-270-2594 The Department of Landscape Architecture encompasses the concepts of nature and ecology into design and planning. We apply these principles to urban spaces, housing sites, tourism and recreation areas, recreational forests and places of historic significance. In other words, the department teaches professional knowledge for sustainable development whilst incorporating environmentally friendly methods. Our department is based on consideration for the environment and aims at training specialists who have a knowledge of landscaping specifically in planning, design, construction, management and engineering.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-ME 1-2-ME 1-2-ME 1-2-ME 1-2-ME	History of Eastern Landscape Architecture (3) Landscape Plant & Practice 1 (3) Landscape Drafting & Graphics (3) Landscape Materials (3) Landscape Planning Theory (3) Theories of Environmental Psychology & Behavior (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	Landscape Plant & Practice 2 (3) History of Western Landscape Architecture (3) Garden Design (3) Theories of Landscape Ecology Design (3) Computer Aided Landscape Planning & Design (3) Surveying & Practice (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Ecological Landscape Design (3) Landscape Planting Design (3) Theories of Landscape Architecture Design (3) Landscape Engineering (3) Composition Theories of Landscape Architecture (3) Landscape Horticultural Flowers and Ground
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Topography Design (3) Case Studies in Landscape Project (3) Landscape Construction Design & Estimation (3) Laws and Regulations for Landscape Architecture (3) Aesthetics of Landscape Architecture (3)	3-2-MR 3-2-Mr 3-2-ME 3-2-ME 3-2-ME	Cover Plants (3) Design of Urban Landscape (3) Environmental Landscape Management (3) Environmental Facilities Design (3) Computer Graphics (3) Environmental Ecology (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Landscape Practice 1 (1) Landscape Design for Graduation (3) Seminar in Landscape Architecture (3) Landscape Plant Management (3) Theories of Tourism Development (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME	Seminar in Park (3) GIS Theory of Environmental Analysis and Evaluation (3) Theories of Outdoor Recreation Planning (3) Theories of Eco Tourism (3)

MR: Major Required, ME: Major Elective

Faculty

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· Ahn, Deug-soo, Ph.D. Professor, Landscape Architecture, laahn@jbnu.ac.kr, 270-2599

· Beon, Mu-sup, Ph.D. Assistant professor, Landscape Architecture, msbeon@chonbuk.ac.kr,

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· Kim, Jeong-moon, Ph.D. Assistant professor, Landscape Architecture, jm@jbnu.ac.kr, 270-2595

Department of Rural Construction Engineering

Homepage: http://home.chonbuk.ac.kr/agrieng

Phone: 82-(0)63-270-2515

The Department of Rural Construction Engineering has its academic basis in theoretical and technological research. It covers a wide range of studies including agricultural water resources, farm land reclamation, agricultural structures, farm production facilities, rural planning, rural environment, and so forth. Its educational goal is to teach theoretical sciences and their practices, to cultivate the talent of individuals demanded most by society, and contribute to the advancement of the field.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies		
2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	Agricultural Surveying & Practice 1 (3) Fluid Mechanics (3) Engineering Mathematics (3) BasicEngineering Mathematics(3) Agricultural Geographic Information System(3) Civil Drawing & Practice (3)	2-2-MR 2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Mechanics of Material & Exercise (3) Hydrology (3) Agricultural Surveying & Practice 2(3) Hydraulics (3) Agricultural Construction Materials & Lab. (3) Computing in Agricultural Engineering (3)
3-1-MR 3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Irrigation & Drainage Engineering 1 (3) Agricultural Construction Method & Equipment (3) Soil & Foundation 1 (3) Structural Mechanics (3) Ground Water Engineering (3) Concrete Engineering (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Soil & Foundation 2 (3) Tidal Land Reclamation Engineering (3) PS Concrete Engineering (3) Statistics in Hydrology (3) Irrigation & Drainage Engineering 2 (3) Rural Water Supply & Sewerage Engineering (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Applied Surveying (3) Farmland Readjustment (3) Agricultural System Engineering (3) Dam Engineering (3) Hydraulic Structures Engineering (3) Rural Planning (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Farm Road Engineering (3) Agricultural Water Resources Engineering(3) Computational Structural Engineering (3) Bridge Engineering (3) Soil & Water Conservation (3) Rural Environmental Engineering (3)

MR: Major Required, ME: Major Elective

Faculty

· Kim, Jae-young, Ph.D. Professor, Soil Mechanics and Foundation Engineering, kimjaeyg@jbnu.ac.kr, · Goh, Hong-seok, Ph.D. Professor, Concrete Engineering, Dam Engineering, Geo-textile, minju@jbnu.ac.kr, 270-2521 · Lee, Jae-young, Ph.D. Professor, Structural Mechanics, Finite Element Analysis, Development of Graphic Modeller, jylee@jbnu.ac.kr, 270-2520 · Choi, Jin-kyu, Ph.D. Professor, Farm Land Construction and Conservation, choijk@jbnu.ac.kr, 270-2522 · Son, Jae-gwon, Ph.D. Professor, Irrigation and Drainage, Rural Environmental Engineering, sjg@jbnu.ac.kr, 270-2523 · Yang, Seung-hyeon, Ph.D. Professor, Concrete Engineering, Dam Engineering, Geo-textile, shyang@jbnu.ac.kr, 270-2521 · Jang, Jae-il, Ph.D. Assistant Professor, Agricultural water resources Engineering, Environmental hydraulic engineering, tjang@jbnu.ac.kr,270-2518

Department of Wood Science & Technology

Homepage: http://wse.jbnu.ac.kr/ Phone: 82-(0)63-270-2621

The Department of Wood Science & Technology deals with the scientific and engineering fields of the physical and chemical-processing of forest resources. Forest resources are of the most important biomaterials in the world because they are both renewable and degradable. In the 2lst Century, bio-resources will play an important role in key environmental industries. We have six laboratories for educating students as well as for use by researchers: the Wood Physics & Mechanics Lab, Wood Processing Lab, Wood Based-Materials Lab, Wood Chemistry Lab, Pulp & Paper Lab, and Wood Microbiology Lab. The department offers outstanding courses in wood anatomy, wood physics, wood drying, wooden furniture, plywood & wood-based materials board, wood construction, carbohydrate & lignin chemistry, forest resources biomass energy, pulp & paper manufacturing, wood preservation, applied mycology, CNC and CAD, and many more. Students can continue their study after graduating with a bachelor's degree for master's and doctorate degrees in this department.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Introduction to Forest Science & Technology (3) Dendrology & Practice (3)
2-1-MR 2-1-MR 2-1-ME 2-1-ME	Wood Carbohydrate & Lab. (3) Wood Physics & Lab. (3) Woodworking Recreation & Practices (3) Wood Anatomy & Lab. (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME	Wood Microbiology (3) Wood Machining & Lab. (3) Wood Harvesting & Practices (3) Lignin Chemistry & Lab. (3)
2-1-ME	Organic Chemistry & Lab. (3)	2-2-ME	Natural Product Chemistry & Lab. (3)

2-1-ME	Wood Adhesion & Lab. (3)	2-2-ME	Polymer Chemistry (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Pulp Technology & Lab. (3) Wood Mechanics & Lab. (3) Wood Preservation & Lab. (3) Wood Finishing & Lab. (3) Furniture Design & Practices (2) Housing & Environment (3)	3-2-MR 3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Wood Drying & Lab. (3) Woody Based Panel & Lab. (3) Utilization of Wood by-products & Practices (3) Wood Identification & Lab. (3) Pulp Bleaching & Lab. (3) Applied Mycology& Practices (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Field Practices 1 (1) Wood Scaling Grading Rule & Practices (3) New Materials of Woody & Lab. (3) Biomass Energy & Practices (3) Paper Manufacturing Engineering & Lab. (3) Microbial Technology & Lab. (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Wood Processing ISR Seminar (3) Plant Management (3) Paper Converting & Lab. (3) Korean Traditional Paper Making & Lab. (3) Environmental Microbial Technology (3)

Faculty

· Mun, Sung-phil, Ph.D.	Professor, Wood Chemistry, Biomass Energy, Natural Products Chemistry, msp@jbnu.ac.kr, 270-2624
· Kang, Jin-ha, Ph.D.	Professor, Pulp Technology, Pulp Bleaching, Paper Manufacturing Engineering, kjh@jbnu.ac.kr, 270-2625
· Oh, Seung-won, Ph.D.	Professor, Wood Anatomy, Wood Physics & Mechanics, ohsw@jbnu.ac.kr, 270-2626
· Lee, Nam-ho, Ph.D.	Professor, Wood Drying, Wood Working, Lumber Grading Rules & Harvesting, enamho@jbnu.ac.kr, 270-2623
· Lee, Yang-soo, Ph.D.	Professor, Wood Microbiology & Wood Protection, Mushroom Science, ysoolee@jbnu.ac.kr, 270-2622

COLLEGE OF ARTS

The College of Arts, established in 1988, consists of five departments: Dance, Fine arts, Music, Korean Music, and Industrial Design. The college pursues success in inheriting the artistic cultures of the world, developing them and creating new artistic styles that reflect aspects of contemporary society. The college aims to teach students high standards of professional skills, academic theories, and to have an appreciation for the brilliant cultural background of Korea.

Department of Dance

Homepage: http://arts.chonbuk.ac.kr

Phone: 82-(0)63-270-3746

The Department of Dance offers a broad range of dance courses along with rigorous dance training in techniques, theories, technical production, and performances. Both Bachelor's and Master's degrees in dance are offered to students with a solid educational background in creating and performing works of art in dance. The department also presents and sponsors a number of performances throughout each year.

Year	Course (Credit)	Year	Course (Credit)
1-1-ME	Korean Dance 1 (2)	1-2-ME	Korean Dance 2 (2)
1-1-ME	Ballet 1 (2)	1-2-ME	Ballet 2 (2)
1-1-ME	Modern Dance 1 (2)	1-2-ME	Modern Dance 2 (2)
1-1-ME	Jazz Dance 1 (2)	1-2-ME	Jazz Dance 2 (2)
1-1-ME	Major Practice 1 (2)	1-2-MR	Major Practice 2 (2)
	-options: Korean Dance		-options: Korean Dance
	Ballet		Ballet
	Modern Dance		Modern Dance
	Jazz Dance		Jazz Dance
1-1-ME	Dance History (2)	1-2-ME	History of Korean Dance (2)
2-1-ME	Korean Dance 3 (2)	2-2-ME	Korean Dance 4 (2)
2-1-ME	Ballet 3 (2)	2-2-ME	Ballet 4 (2)
2-1-ME	Modern Dance 3 (2)	2-2-ME	Modern Dance 4 (2)
2-1-ME	Jazz Dance 3 (2)	2-2-ME	Jazz Dance 4 (2)
2-1-MR	Major Practice 3 (2)	2-2-MR	Major Practice 4 (2)
	-options: Korean Dance		-options: Korean Dance
	Ballet		Ballet
	Modern Dance		Modern Dance
	Jazz Dance		Jazz Dance
2-1-ME	Movement Analysis and Expression (3)	2-2-ME	Dance Appreciation and Criticism (3)
2-1-ME	Dance Music 1 (3)	2-2-ME	Dance Music 2 (3)

3-1-MR	Major Practice 5 (2)	3-2-MR	Major Practice 6 (2)
	-options: Korean Dance		-options: Korean Dance
	Ballet		Ballet
	Modern Dance		Modern Dance
	Jazz Dance		Jazz Dance
3-1-MR	Dancing Workshop 1 (2)	3-2-MR	Dancing Workshop 2 (2)
	-options: Korean Dance		-options: Korean Dance
	Ballet		Ballet
	Modern Dance		Modern Dance
	Jazz Dance		Jazz Dance
3-1-ME	Dance Teaching Method on Creativity 1 (3)	3-2-ME	Dance Teaching Method on Creativity 2 (3)
3-1-ME	Making Dance Imaging (3)	3-2-ME	Dance Make up (3)
3-1-ME	Theory of Dance Education 1 (3)	3-2-ME	Theory of Dance Education 2 (3)
4-1-MR	Major Practice 7 (2)	4-2-ME	Major Practice 8 (2)
	-options: Korean Dance		-options: Korean Dance
	Ballet		Ballet
	Modern Dance		Modern Dance
	Jazz Dance		Jazz Dance
4-1-MR	Dancing Workshop 3 (2)	4-2-ME	Dance Workshop 4 (2)
	-options: Korean Dance		-options: Korean Dance
	Ballet		Ballet
	Modern Dance		Modern Dance
	Jazz Dance		Jazz Dance
4-1-ME	Dance Seminar (3)	4-2-ME	Planning ·Production and Demonstration in
4-1-ME	Dance Aesthetics (3)		Dance (3)
4-1-ME	Stage Lighting (3)	4-2-ME	Dance Resource Development (3)
		4-2-ME	Arts Management and Administration (3)

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Department of Fine Arts

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The Department of Fine Arts offers courses in four areas: Korean painting, Western painting, sculpture, and furniture formative design. The department aims to prepare students to become promising artists who are worthy of being representatives of Korean art.

Year	Course (Credit)	Year	Course (Credit)
1-1-MR 1-1-ME	* Choose 1 of 4 options: Basic Practice in the Korean Painting 1 (3) Basic Practice in the Western Painting 1 (3) Basic Practice in Sculpture 1 (3) Basic Practice in Wood Crafts 1 (3) * Choose 1 of 4 options: Painting of the Teaching in Practice Drawing 1 (2) Study on Plasticity in Sculpture 1 (2) Descriptive Art 1 (2) Computer Art 1 (1)	1-2-MR 1-2-ME	* Choose 1 of 4 options: Basic Practice in the Korean Painting 2 (3) Basic Practice in the Western Painting 2 (3) Basic Practice in Sculpture 2 (3) Basic Practice in Wood Crafts 2 (3) * Choose 1 of 4 options: Painting of the Calligraphic School 2 (3) Drawing 2 (3) Study on Plasticity in Sculpture 2 (3) Descriptive Art 2 (3) Computer Art 2 (3)
2-1-MR	* Choose 1 of 4 options:	2-2-MR	* Choose 1 of 4 options:
2-1-MR	Traditional Techniques 1 (2) Practice in the Western Painting 1 (2) Teaching in the erra-cotta (2) Furniture Design 1 (2) * Choose 1 of 4 options: Technics in the Korean Painting 1 (1) Technics in the Western Painting 1 (1) Technics in Sculpture 1 (1) Technics in Wood Crafts 1 (1)	2-2-MR	Traditional Techniques in Korean Painting 2 (2) Practice in Western Painting 2 (2) Terra-cotta 2 (2) Furniture Design 2 (2) * Choose 1 of 4 options: Technics in the Korean Painting 2 (1) Technics in the Western Painting 2 (1) Technics in Sculpture 2(1) Designing Artifacts (1)
2-1-ME 2-1-ME	* Choose 1 of 4 options: Indian Ink Painting Practices 1 (3) Figure Drawing 1 (3) Art Anatomy & Its Practices 1 (3) Practice of Drawing & Presentation (3) Furniture Design by Computer 1 (1)	2-2-ME	* Choose 1 of 4 options: Indian Ink Painting Practices 2 (2) Figure Drawing 2 (2) Art Anatomy & Its Practices 2 (2) Plasticity & Structure in Arts & Crafts (2) Furniture Design by Computer 2 (1)
2-1-ME 2-1-ME 2-1-ME	History of Korean Art (3) History of Western Art (3)	2-2-ME 2-2-ME	* Choose 1 of 4 options: Theories on Korean Painting (2) Theories on Western Painting (2) Theories on Sculpture (2) Theories on Wood Crafts (2) Color Science (3)
		2-2-ME	History of the Oriental Art (2)
3-1-MR	* Choose 1 of 4 options: Traditional Techniques in Korean Painting 3 (2) Practice in the Western Painting 3 (2) Figure Modeling 1 (2) Furniture Design 3 (2)	3-2-MR	* Choose 1 of 4 options: Traditional Techniques in Korean Painting 4 (2) Practice in the Western Painting 4 (2) Figure Modeling 2 (2) Furniture Design 4 (2)
3-1-ME 3-1-ME	* Choose 1 of 4 options: Creative Practice in Korean Painting 1 (1) Techniques in Western Painting 3 (1) Techniques in Sculpture (1) Techniques in Wood Craft 2 (1) * Choose 1 of 4 options:	3-2-MR	* Choose 1 of 3 options: Creative Practice in Korean Painting 2 (2) Creative Practice in Korean Painting 2 (2) Technics in Sculpture 4 (2) Traditional Furniture 2 Teaching in Art Painting 3 (2)
J . ML	Special Study on Korean Painting 1 (2) Special Study on Western Painting 1 (2) Sculpture in Metal 1 (2) Jewelry Design in Metal (2)	3-2-MR	* Choose 1 of 4 options: Special Study on the Korean Painting 2 (2) Special Study on the Western Painting 2 (2) Sculpture in Metal 2 (2) Ornaments Design (2)

3-1-ME	* Choose 1 of 4 options:	3-2-ME	* Choose 1 of 3 options:
	Theories on Modern Korean Painting (2)		Special Theories on Korean Painting (2)
	Theories on Modern Western Painting (2)		Special Theories on Western Painting (2)
	Theories on Modern Sculpture (2)		Special Theories on Sculpture (2)
	History of Furniture (2)		Theories on Modern wood Crafts (2)
3-1-ME	* Choose 1 of 4 options:	3-2-ME	* Choose 1 of 4 options:
	Special Techniques in Korean painting 1 (2)		Special Techniques in Korean painting 2(2)
	Media Technics in Painting 1 (2)		Media Techniques in Painting 2(2)
	Sculpture in Stone 1 (2)		Sculpture in Stone 2 (2)
	Exhibition Design 1 (2)		Exhibition Design 2 (2)
3-2-ME	Aesthetics (2)	3-2-ME	Practice of Conservation 1 (2)
3-2-ME	Print Making 1 (2)	3-2-ME	Print Making 2 (2)
3-2-ME	Photography & its Practice 1 (2)	3-2-ME	Photography & its Practice 2 (2)
3-2-ME	Art Marketing 1 (2)	3-2-ME	Theories on Plastic Arts (2)
3-2-ME	Art Therapy 1 (2)		
4-1-ME	* Choose 1 of 4 options:	4-2-ME	* Choose 1 of 4 options:
	Traditional Techniques in Korean Painting 5 (3)		Traditional Techniques in Korean Painting 6 (2)
	Practice in Western Painting 5 (3)		Practice in Western Painting 6 (2)
	Practice in Sculpture 1 (3)		Practice in Sculpture 2 (2)
	Furniture Design 5 (3)		Furniture Design 6 (2)
4-1-ME	* Choose 1 of 4 options:	4-2-ME	* Choose 1 of 4 options:
	Creative Practice in Korean Painting 3 (3)		Creative Practice in Korean Painting 4 (2)
	Techniques in the Western Painting 5 (3)		Techniques in Western Painting 6 (2)
	Techniques in Sculpture 5 (3)		Techniques in Sculpture 6(2)
	Techniques in Wood Crafts 3 (3)		Techniques in Wood Crafts 4 (2)
4-1-ME	* Choose 1 of 4 options:	4-2-ME	* Choose 1 of 4 options:
	Study on Korean Painting 1 (3)		Study on Korean Painting 2 (2)
	Study on Print Making Techniques 1 (3)		Study on Print Making Techniques 2 (2)
	Study on Sculpture 1 (3)		Study on Sculpture 2 (2)
	Practice and Use of Lignum Mataterial 1 (3)		Practice and Use of Lignum Mataterial 2 (2)
4-1-ME	* Choose 1 of 4 options:	4-2-ME	* Choose 1 of 4 options:
	Special Techniques in Korean painting 3 (3)		Special Techniques in Korean Painting 4 (2)
	Media Techniques in Painting 3 (3)		Teaching in Animation Techniques (2)
	Sculpture in Metal 3 (3)		Sculpture in Metal 4 (2)
	Furniture & Interior Design 1 (3)		Furniture & Interior Design 2 (2)
4-1-ME	Practice of Conservation 2 (2)	4-2-ME	Study on Curating (3)
	Portfolio (1)	4-2-ME	Study on Art Administration (3)
4-1-ME			

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Department of Industrial Design

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Industrial design is core to our everyday lives and social environments because of its is practical and applied nature. Importance comes from the way in which it enhances our lifestyles and provides creativity in improving and enriching our lives. Recognizing this, the department uses a modern study system shaped by continued research and development. It covers the whole design field within CAD and computer graphic systems, based on the fundamental technologies of science and training systems that enhance expressive abilities. The department has developed a unique place for education enabled by excellent computing equipment and cooperative project collaborations with many companies make it possible to teach the practical applications of classroom theories. Such collaborations will continue to play a great role in our college with ongoing development and expansion.

Year	Course (Credit)	Year	Course (Credit)
1-1-ME	Design Drawing (3)	1-2-MR	Design Presentation (3)
1-1-ME	The Formative Design (3)	1-2-ME	Design Drawing and Mock-up (3)
2-1-MR	Design Theory (3)	2-2-MR	Computer Graphic (3)
2-1-ME	* Choose 1 of 3 options:	2-2-ME	* Choose 1 of 3 options:
	Living Appliance Design 1 (3)		Living Appliance 2 (3)
	Communication Design (3)		Brand Identity & Communication (3)
	Concept Drawing (3)		Advanced Modeling & Animation (3)
2-1-ME	* Choose 1 of 3 options:	2-2-ME	Design Methodology Illustration 2 (2)
	Decorative Design (2)	2-2-ME	* Choose 1 of 3 options:
	Illustration 1 (2)		Computer Modeling & Practical Expression (2)
	3D Modeling & Animation (2)		Typography 2 (2)
2-1-ME	* Choose 1 of 3 options:		Matt Painting (2)
	Interactive Product Design (2)	2-2-ME	Color Identity (2)
	Typography 1 (2)		
	Animation Techniques (2)		
2-1-ME	Fundamental Photography (2)		
3-1-MR	* Choose 1 of 3 options:	3-2-MR	* Choose 1 of 3 options:
	Practical Digital Living Appliance Design (3)		Practical Digital Product Design (3)
	Practical Digital Communication Design (3)		Identity Communication Design (3)
	Digital Techniques (3)		Media Application (3)
3-1-ME	Design Marketing (3)	3-2-ME	Consumer's behavior and Design Analysis (3)

3-1-ME	Design Materials (3)	3-2-ME	* Choose 1 of 3 options:
3-1-ME	* Choose 1 of 3 options:	3-Z-IVIE	Practical Environmental Product Design (3)
J I WIL	Environmental Product Design (3)		Package Design 2 (3)
	Package Design 1 (3)		Computer Animation & Production (3)
	Advanced Digital Compositing (3)	3-2-ME	* Choose 1 of 3 options:
3-1-ME	* Choose 1 of 3 options:	J Z IVIL	Industry-Academic cooperation Project 2 (3)
J I IVIL	Product Design Simulation (3)		Digital Media Project (3)
	Practical Multimedia Design (3)		Hard Surface Modeling (3)
	Space Design Modeling (3)	3-2-ME	* Choose 1 of 3 options:
3-1-ME	Cooperative Project 1 (3)	J Z IVIL	Design Workshop (3)
3-1-ME	Photography (3)		Graphic User Interface (3)
3-1-ME	* Choose 1 of 3 options:		3D Character Design & Setup (3)
3-1-IVIE	Interior Design 1 (3)	3-2-ME	* Choose 1 of 3 options:
	Editorial Design 1 (3)	J Z IVIL	Interior Design 2 (3)
	Figurative Concept Design (3)		Editorial Design 2 (3)
	rigulative Concept Design (3)		Story Boarding (3)
			Story Boarding (3)
4-1-MR	* Choose 1 of 3 options:	4-2-ME	* Choose 1 of 3 options:
	Portfolio Planning in the Living Appliance (3)		Practical Business in the Living Appliance (3)
	Portfolio Planning in the Communication Design		Practical Business in the Communication Design
	(3)		(3)
	Portfolio Planning in the Media Design (3)		Computer Graphics-Camera and Lighting (3)
4-1-ME	* Choose 1 of 3 options:	4-2-ME	* Choose 1 of 3 options:
	Development of Product Designing Program (3)		Product Developing (3)
	Advertising Design 1 (3)		Advertising Design 2 (3)
	Collaborative Project (3)		e-Business (3)
4-1-ME	* Choose 1 of 3 options:	4-2-ME	Design & Management (3)
	Product Design Project (3)	4-2-ME	* Choose 1 of 3 options:
	Communication Design Project (3)		Design Presentation 2 (3)
	Advanced Game Character Design (3)		Digital Animation (3)
4-1-ME	* Choose 1 of 3 options:		Interactive Design Studio (3)
	Design Presentation 1 (3)	4-2-ME	* Choose 1 of 3 options:
	Multi-media Design (3)		Internship in the Digital Living Appliance Design
	Computer Graphics-Camera and Lighting 1 (3)		(3)
4-1-ME	Design Planning (3)		Internship in the Digital Living Communication
4-1-ME	Portfolio (3)		Design (3)
			Internship in the Digital Media & Video (3)
	1	L	I .

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Department of Korean Traditional Music

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The Department of Korean Traditional Music aspires to lead the advancement of Korean music, whilst also fusing its traditions with modern trends. It endeavors to play a key role in globalizing Korean music and thus enriching the music of the world. The department has led the cultural progression of Jeonju, where Korean traditional music originated. On the rich cultural basis of the region, the department encourages students to systematically learn both the theory and practice of traditional music and enlarge the horizon of Korean music. It has helped many students to become well-trained and to go on to be leaders in various fields with expertise of traditional music. A Master's program is also offered, where students work more profoundly and professionally to establish systematic theories of traditional music for common application.

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Individual Instruction in Major 1 (2)	1-2-MR	Individual Instruction in Major 2 (2)
1-1-MR	* Choose 1 of 3 options:	1-2-MR	* Choose 1 of 3 options:
	Korean Opera 1 (1)		Korean Opera 2 (1)
	Korean Music Orchestra 1 (1)		Korean Music Orchestra 2 (1)
	Arts Planning and seminars 1 (1)		Arts Planning and seminars 2 (1)
1-1-ME	Introduction to Western Music 1 (2)	1-2-ME	Introduction to Western Music 2 (2)
1-1-ME	Introduction to Korean Music 1 (2)	1-2-ME	**Introduction to Korean Music 2 (2)
1-1-ME	Korean Folk Song Exercise I (1)	1-2-ME	Korean Folk Song Exercise 2 (1)
2-1-MR	Individual Instruction in Major 3 (2)	2-2-MR	Individual Instruction in Major 4 (2)
2-1-MR	* Choose 1 of 3 options:	2-2-MR	* Choose 1 of 3 options:
	Korean Opera 3 (1)		Korean Opera 4 (1)
	Korean Music Orchestra 3 (1)		Korean Music Orchestra 4 (1)
	Arts Planning and seminars 3 (1)		Arts Planning and seminars 4 (1)
2-1-ME	performance 1 (1)	2-2-ME	performance 2 (1)
2-1-ME	Analysis of Kayageum Composition 1 (2)	2-2-ME	Analysis of Kayageum Composition 2 (2)
2-1-ME	Analysis of Danso Composition 1 (2)	2-2-ME	Analysis of Danso Composition 2 (2)
2-1-ME	Analysis of Komungo Composition 1 (2)	2-2-ME	Analysis of Komungo Composition 2 (2)
2-1-ME	**History of Western Music 1 (2)	2-2-ME	**History of Western Music 2 (2)
2-1-ME	Techniques of Folk Music	2-2-ME	Techniques of Folk Music
	Performance 1 (2)		Performance 2 (2)
2-1-ME	Korean Music Theory 1 (2)	2-2-ME	Korean Music Theory 2 (2)
2-1-ME	Class Piano 1 (1)	2-2-ME	Class Piano 2 (1)
2-1-ME	Sight Singing & Ear Training of	2-2-ME	Sight Singing & Ear Training of
	Korean Music 1 (1)		Korean Music 2 (1)
2-1-ME	theory of Samulnori 1 (2)	2-2-ME	Theory of Samulnori 2 (2)
2-1-ME	Korean Traditional Performing Arts 1 (2)	2-2-ME	Korean Traditional Performing Arts 2 (2)
3-1-MR	Individual Instruction in Major 5 (2)	3-2-MR	Individual Instruction in Major 6 (2)
3-1-MR	* Choose 1 of 3 options:	3-2-MR	* Choose 1 of 3 options:
	Korean Opera 5 (1)		Korean Opera 6 (1)
	Korean Music Orchestra 5 (1)		Korean Music Orchestra 6 (1)

	Arts Planning and seminars 5 (1)		Arts Planning and seminars 6 (1)
3-1-ME	performance 3 (1)	3-2-ME	Performance 4 (1)
3-1-ME	**History of Korean Music 1 (2)	3-2-ME	Planning·Production and Demonstration in
3-1-ME	**Korean Traditional Rhythm &	3-2-1015	Korean Music (2)
3-1-IVIE	Accompanying (2)	3-2-ME	**History of Korean Music 2 (2)
3-1-ME	**Harmony (1)	3-2-ME	Pansori Gobub (2)
		3-2-ME	,
3-1-ME	Computer Music 1 (1)		Study of Shamanism Music (2)
3-1-ME	**Study of Folk Song &	3-2-ME	Computer Music 2 (1)
0.4.1.5	its Melodic Structure 1 (2)	3-2-ME	Study of Folk Song & its Melodic Structure 2 (1)
3-1-ME	Composition of Represention Image in		
3-1-ME	Korean Music (1)		
4-1-ME	Individual Instruction in Major 7 (2)	4-2-ME	Individual Instruction in Major 8 (2)
4-1-ME	* Choose 1 of 3 options:	4-2-ME	* Choose 1 of 3 options:
	Korean Opera 7 (1)		Korean Opera 8 (1)
	Korean Music Orchestra 7 (1)		Korean Music Orchestra 8 (1)
	Arts Planning and seminars 7 (1)		Arts Planning and seminars 8 (1)
4-1-ME	Study of Pansori 1 (1)	4-2-ME	Study of Pansori 2 (1)
4-1-ME	Teaching Korean Music through	4-2-ME	Korean Music Appreciation
	Creative Methods (2)		and criticism (2)
4-1-ME	**Conducting of Korean Music 1 (2)	4-2-ME	Conducting of Korean Music 2 (2)
4-1-ME	Instruction to Eastern Music (2)		
4-1-ME	Analysis & Practice of Chamber Orchestra (2)		
4-1-ME	Korean Traditional Masque Performance Music		
	(2)		
4-1-ME	Study of Words in Korean Vocal (2)		
4-1-ME	**Korean Music Education (2)		

^{**} Basic subjects of completion and subjects curriculum ective

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Department of Music

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The Department of Music aims to cultivate professional musicians. Offering courses in piano, voice, composition, string, wind and percussion, it makes every effort to promote musicians who can contribute

to the development of cultural activities in society. The department has a Master's program of music for the study of more advanced theories of music and for the study of specialized music playing techniques.

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Individual Instruction in Major 1 (2)	1-2-MR	Individual Instruction in Major 2 (2)
1-1-MR	Individual Instruction in minor 1 (1)	1-2-MR	Individual Instruction in minor 2 (1)
1-1-ME	Chorus & Orchestra 1 (1)	1-2-ME	Chorus & Orchestra 2 (1)
1-1-ME	Sight singing & Ear training (2)	1-2-ME	Sight singing & Ear Training 2 (2)
		1-2-ME	Basic Theory of Music (2)
		1-2-ME	Literature & Criticism (1)
2-1-MR	Individual Instruction in Major 3 (2)	2-2-MR	Individual Instruction in Major 4 (2)
2-1-MR	Individual Instruction in minor 3 (1)	2-2-MR	Individual Instruction in minor 4 (2)
2-1-ME	Chorus & Orchestra 3 (1)	2-2-ME	Chorus & Orchestra 4 (1)
2-1-ME	History of Music 1 (2)	2-2-ME	History of Music 2 (2)
2-1-ME	* Choose 1 of 3 options:	2-2-ME	* Choose 1 of 3 options:
	Study of Art Song 1 (1)		Study of Art Song 2 (1)
	Diction 1 (1)		Diction 2 (1)
	Musical Practice 1 (1)		Musical Practice 2 (1)
2-1-ME	* Choose 1 of 4 options:	2-2-ME	* Choose 1 of 4 options:
	Vocal Ensemble 1 (1)		Vocal Ensemble 2 (1)
	Piano chamber Music 1 (1)		Piano chamber Music 2 (1)
	String & Wood Winds & Brass Ensemble (1)		String & Wood Winds & Brass Ensemble 2 (1)
	Score Reading 1 (1)		Score Reading 2 (1)
2-1-ME	Harmony 1 (2)	2-2-ME	Harmony 2 (2)
2-1-ME	Performance 1 (2)	2-2-ME	Performance 2 (2)
3-1-MR	Individual Instruction in Major 5 (2)	3-2-MR	Individual Instruction in Major 6 (2)
3-1-ME	Individual Instruction in minor 5 (1)	3-2-ME	Individual Instruction in minor 6 (1)
3-1-ME	Chorus & Orchestra 5 (1)	3-2-ME	Chorus & Orchestra 6 (1)
3-1-ME	History of Music 3 (2)	3-2-ME	History of Music 4 (2)
3-1-ME	Counterpoint 1 (2)	3-2-ME	Counterpoint 2 (2)
3-1-ME	Performance 3 (2)	3-2-ME	Performance 4 (2)
3-1-ME	Tonal Music 1 (2)	3-2-ME	Planning· Production and Demonstration in
3-1-ME	* Choose 1 of 4 options:	3-2-ME	Music (2)
	Performance of Art Song 1 (1)	3-2-ME	Tonal Music 2 (2)
	Accompaniment 1 (1)	3-2-ME	* Choose 1 of 4 options:
	Electronic Music 1 (1)		Performance of Art Song 2 (1)
	Practice in Drama 1 (1)		Accompaniment 2 (1)
	Keyboard of Harmony 1 (1)		Electronic Music 2 (1)
3-1-ME	* Choose 1 of 3 options:		Practice in Drama 2 (1)
	Vocal Ensemble 3 (1)	3-2-ME	* Choose 1 of 3 options:
	Piano chamber Music 3 (1)		Vocal Ensemble 4 (1)
	String & Wood Winds & Brass Ensemble 3 (1)		Piano chamber Music 4 (1)
			String & Wood Winds & Brass Ensemble 4 (1)
		4-2-MR	Graduation Recital (2)
4-1-ME	Individual Instruction in Major 7 (2)	7 2 1711	, ,
4-1-ME 4-1-ME	Individual Instruction in Major 7 (2) Chorus & Orchestra 7 (1)	4-2-ME	Individual Instruction in Major 8 (2)
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4-1-ME	Aesthetics of Music 1 (2)	4-2-ME	Conducting 2 (1)
4-1-ME	Instruction of Korean Music 1 (2)	4-2-ME	Aesthetics of Music 1 (2)
4-1-ME	Music Teaching Method on Creativity (2)	4-2-ME	Instruction of Korean Music 2 (2)
4-1-ME	Literature of Music & Criticism (2)	4-2-ME	Performance & Criticism 2 (2)
4-1-ME	Opera class 1 (2)	4-2-ME	Opera Class 2 (2)
4-1-ME	* Choose 1 of 3 options:	4-2-ME	Piano Pedagogy (1)
	Contemporary Music Theory 1 (1)	4-2-ME	* Choose 1 of 3 options:
	Acoustics (1)		Contemporary Music Theory 2 (2)
	Therapeutic of Music 1 (1)		Therapeutic of Music 2 (2)

Faculty

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COLLEGE OF COMMERCE

The College of Commerce provides students with the educational opportunities for acquiring the requisite knowledge and skills needed to become the professional leaders of the future in Korean and regional economies. The college also develops managerial competence for its students in dealing with business organizations and financial institutions. The mandate of the college is to carry out teaching, research and development programs to provide professional leadership qualities to students within its two divisions and one department: Division of Business Administration, Division of Economics, and the Department of Interna tional Trade. Upon completion of undergraduate programs, students of high caliber can pursue professional or graduate studies in their respective area of interest. The college provides students with preparation courses for additional types of certificate; students can become Certified Public Accountants (CPA), Certified Tax Accountants (CTA), Custom Tariff Officers, Insurance Assessment Officers, and Teachers Certificates to name just a few.

Division of Business Administration (Accounting Major)

Homepage: http://business.chonbuk.ac.kr

Phone: 82-(0)63-270-3023

The Department of Accounting was established to offer innovative knowledge of accounting in Business Administration; students are taught the technologies employed and techniques of analysis used in the business systems of firms. Through this, the department's intention is to develop graduates who will lead the business world of the twenty-first century.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Organizational Behavior (3)	2-2-MR	Intermediate Accounting 2 (3)
2-1-MR	Marketing Management (3)	2-2-MR	Management Accounting (3)
2-1-ME	Intermediate Accounting 1 (3)	2-2-ME	Tax Law 2 (3)
2-1-ME	Cost Accounting (3)	2-2-ME	Statistical Analysis for accounting (3)
2-1-ME	Tax Law 1 (3)	2-2-ME	Microeconomics (3)
2-1-ME	Practice in Principle of Accounting (3)	2-2-ME	Financial Statements Framing Practice (3)
3-1-MR	Tax Accounting (3)	3-2-MR	Investments (3)
3-1-ME	Advanced Accounting (3)	3-2-ME	Commercial Law 2 (3)
3-1-ME	Commercial Law 1 (3)	3-2-ME	Financial Statements Analysis (3)
3-1-ME	Finance 1 (3)	3-2-ME	Accounting Data Processing (3)
3-1-ME	Auditing (3)	3-2-ME	Financial Accounting Theory (3)
3-1-ME	Intermediate Accounting 3 (3)	3-2-ME	Production & Operation Management (3)
4-1-ME	Practice in Financial Accounting (3)	4-2-ME	Auditing Practice (3)
4-1-ME	Practice in Cost & Management Accounting (3)	4-2-ME	Tax Planning Strategy (3)
4-1-ME	Practice in Tax Accounting (3)	4-2-ME	Accounting Information System (3)

4-1-ME	Human Resource management (3)	4-2-ME	Strategic Management (3)
4-1-ME	ERP Accounting (3)	4-2-ME	Strategic Managerial Accounting (3)
4-1-ME	Ethics in Accounting (3)	4-2-ME	Government & Non-profit Organization
			Accounting (3)

Faculty

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Division of Business Administration (Business Administration Major)

Homepage: http://business.chonbuk.ac.kr

Phone: 82-(0)63-270-2986

The Department of Business Administration offers a high quality business program that meets the standards of professional accreditation a well as a balanced curriculum that requires students to use behavioral, functional and technological tools to solve business problems. The department aims to develop a student's leadership and communication skills. In addition, we provide our students with opportunities for relevant professional experience in meeting the current challenges in the business world.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Statistics for Management (3)	2-2-MR	Personnel Management (3)
2-1-MR	Organizational Behavior (3)	2-2-ME	Financial & Business Analysis (3)
2-1-MR	Marketing Management (3)	2-2-ME	Business Data Processing (3)
2-1-MR	Finance (3)	2-2-ME	Statistical Analysis for Management (3)
2-1-ME	Business & Society (3)	2-2-ME	Quantitative Business Analysis (3)
2-1-ME	Mathematics for Management (3)	2-2-ME	Consumer Behavior (3)
3-1-MR	Production & Operation Management (3)	3-2-ME	Insurance Management (3)
3-1-ME	Management Information System (3)	3-2-ME	Production Planning (3)
3-1-ME	International Management (3)	3-2-ME	Service Marketing (3)
3-1-ME	Labor Relations (3)	3-2-ME	E-Business (3)

3-1-ME 3-1-ME	Marketing Research (3) Investments (3)	3-2-ME	Organization Structure (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Strategic Management (3) Global Finance (3) Risk Management (3) Internet Marketing (3) Material Management (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Global Marketing (3) Venture Business Management (3) Marketing Channel Management (3) Compensational Management (3) Derivative Securities (3) Quality Management (3)

Faculty

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· Lee, Kyeong-seon, Ph.D.	Associate Professor, Organization Behavior, ekse@chonbuk.ac.kr, 270-2999
· Kim, Seung-woon, Ph.D.	Associate Professor, Management Information System, swkim@chonbuk.ac.kr, 270-3048
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· You, So-ye, Ph.D.	Assistant Professor, Marketing, syyou86@chonbuk.ac.kr, 270-4082

Division of Economics (Economics Major)

Homepage: http://econo.chonbuk.ac.kr/

Phone: 82-(0)63-270-3001

The Department of Economics provides excellent preparation for students seeking careers in many fields including journalism, politics, law, and public administration due to the widespread applicability of the critical thinking skills learned. The degree in economics includes business courses and is often used as a stepping stone to a business career.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Economic Statistics (3)
		1-2-ME	Principles of Economics 1 (3)
2-1-MR	Microeconomics (3)	2-2-MR	Macroeconomics (3)
2-1-ME	Principles of Economics 2 (3)	2-2-ME	Economics of Money & Banking (3)
2-1-ME	Introduction to Economic history (3)	2-2-ME	Public Finance (3)
2-1-ME	Mathematical Economics (3)	2-2-ME	Economic History of Europe (3)
		2-2-ME	International Economics (3)
		2-2-ME	Econometrics (3)
3-1-ME	Urban &Regional Economics (3)	3-2-ME	International Financial Market (3)
3-1-ME	Moneytary Policy (3)	3-2-ME	Cultural Economics (3)
3-1-ME	Transportation Economics (3)	3-2-ME	History of Economic Theory & Thought (3)
3-1-ME	Labor Economics (3)	3-2-ME	Economics of Gender and Labor policy (3)
3-1-ME	Insurance Economics (3)	3-2-ME	Applied Econometric Analysis (3)
3-1-ME	Industrial Organization (3)	3-2-ME	Environmental and Resource Economics (3)
3-1-ME	Welfare Economics (3)		
4-1-ME	Game Theory (3)	4-2-ME	Economic Development (3)
4-1-ME	Fiscal policy (3)	4-2-ME	Local Public Finance (3)
4-1-ME	Economic History of Korea and East Asia (3)	4-2-ME	Current Economic Affairs (3)
4-1-ME	Analysis of Global Economy (3)	4-2-ME	Financial Economics (3)
4-1-ME	Analysis of Korean Economy (3)	4-2-ME	Chinese Economy (3)
4-1-ME	Regional Development (3)	4-2-ME	Morden Economic Seminar (3)

MR: Major Required, ME: Major Elective

• Faculty

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Department of International Trade

Homepage: http://trade.chonbuk.ac.kr/

Phone: 82-(0)63-270-3013

The Department of International Trade emphasizes on interdisciplinary approaches and offers training and development in a broad range of areas related to international trade theory and practices. The department aims to provide a systematic understanding of the current international economic and globalization processes, including a complete technical knowledge of trade management and practices at a global level. The department has seven faculty members who are committed to teaching undergraduates, training graduate students, and conducting research in the areas of international economics and trade practices. The department is a stimulating place where theories, applications, and practices come together.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Foreign Trade Administration (3)
		1-2-ME	International Business Administration (3)
2-1-ME	Microeconomic Theory (3)	2-2-MR	International Trade Theory (3)
2-1-ME	Quantitative Analysis (3)	2-2-ME	International Macroeconomics (3)
2-1-ME	Foreign Direct Investment (3)	2-2-ME	International Financial Management (3)
2-1-ME	International Commercial Contract (3)	2-2-ME	International Business English (3)
2-1-ME	Foreign Trade Law of Korea (3)	2-2-ME	International Logistics & Transportation (3)
2-1-ME	Practice of Internet Trade (3)	2-2-ME	Commercial Law (3)
3-1-ME	International Finance (3)	3-2-MR	World Commercial Policy (3)
3-1-ME	International Trade Policy (3)	3-2-ME	Multinational Corporation (3)
3-1-ME	Theory of Foreign Exchange (3)	3-2-ME	International Financial Market (3)
3-1-ME	Marine & Transportation Insurance (3)	3-2-ME	International Trade Payments (3)
3-1-ME	International Business English Conversation (3)	3-2-ME	Customs Duties Law & System (3)
3-1-ME	International Marketing (3)	3-2-ME	Overseas Markets Studies (3)
4-1-ME	Studies on the Korean Trade (3)	4-2-ME	Topics in the Global Area (3)
4-1-ME	International Economic Integration (3)	4-2-ME	Chinese Trade (3)
4-1-ME	Commercial Policy for Service Trade (3)	4-2-ME	Seminar in International Trade Theory (3)
4-1-ME	World Trade Law (3)	4-2-ME	Seminar in Foreign Trade Administration (3)
4-1-ME	Case Studies of International Corporation (3)	4-2-ME	Settlement of International Commercial Claims
			(3)

MR: Major Required, ME: Major Elective

Faculty

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COLLEGE OF EDUCATION

The College of Education, established in 1971, offers a program of studies that provides a broad foundation for a liberal education as well as the professional training needed for a teaching career in secondary schools. The College also offers graduate studies as well as professional graduate programs leading to Master's and Doctoral degrees. Upon successful completion of the teacher education program, the Ministry of Education grants graduates the Second Class Secondary School Teacher's Certificate. The program is staffed by 77 faculty members, and is carried out through two divisions and seven departments: Division of Science Education (Physics Education Major; Biology Education Major; Earth Science Education Major; and Chemistry Education Major), Division of Social Studies Education (Social Studies Education Major; Social Science Education Major; History Education Major; and Geography Education Major), Department of Korean Education, Department of German Education, Department of English Education, Department of Education, Department of Ethics Education, Department of Mathematics Education, and Department of Physical Education. The practical teaching component of the teacher education program is implemented at CBNU High School and at some other select secondary schools. Also, the college houses the functions of the Graduate School of Education, and an In-service Education Center for Secondary School Teachers. In addition to the University Financial Aid Program, the college provides select students with several kinds of scholarship fund.

Department of Education

Homepage: http://pedagogy.jbnu.ac.kr/

Phone: 82-(0)63-270-2739

The Department of Education performs two major functions: firstly it teaches the basic educational knowledge and skills deemed for pre-service and in-service; secondly it systematically follows the research foundation of Korean education and applies research-based knowledge to various educational settings.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Education and Culture(3)
		1-2-ME	Career Counseling(3)
		1-2-ME	Comparative Education(3)
		1-2-ME	Theory of Lifelong Education(3)
2-1-MR	Curriculum Studies(3)	2-2-MR	Human Development and Education(3)
2-1-ME	History of Korean Education(3)	2-2-MR	Educational Technology(3)
2-1-ME	Learning Psychology and Education(3)	2-2-ME	History of Western Education(3)
2-1-ME	Instructional Design(3)	2-2-ME	Statistics in Education(3)
2-1-ME	Philosophy in Educational Sociology(3)	2-2-ME	Anthropology of Education(3)
2-1-ME	Educational Leadership(3)	2-2-ME	Educational Policy(3)

3-1-MR	Educational Administration(3)	3-2-MR	Educational Philosophy(3)
3-1-ME	Instructional Theory of Education(3)	3-2-ME	Teaching Method & Materials of Education(3)
3-1-ME	History of East Asian Education(3)	3-2-ME	Logical Thinking and Essay Writing in Education(2)
3-1-ME	Educational Measurement and Evaluation(3)	3-2-ME	Educational Research Method(3)
3-1-ME	Korean Society and Educational Problems(3)	3-2-ME	Feminist Pedagogy(3)
3-1-ME	e-learning(3)	3-2-ME	Classroom Management(3)
4-1-ME	Adolescent Education(3)	4-2ME	Alternative Education(3)
4-1-ME	Education for Mental Health(3)	4-2ME	Educational Reform(3)
4-1-ME	Curriculum Development(3)	4-2ME	Introduction to Counseling in School(3)
4-1-ME	Economics of Education(3)		

• Faculty

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· Yeo, Young-gi, Ph.D.	Assistant Professor, History of Educational Thoughts, ygyeo@jbnu.ac.kr, 270-4480

Department of English Education

Homepage: http://home.chonbuk.ac.kr/english

Phone: 82-(0)63-270-2728

The Department of English Education aims to train students to be competent English teachers at secondary schools and scholars in various fields of education. Accordingly, those who enter this department will be trained through the systematic and authentic education necessary to become English teachers and scholars in the fields of English education, linguistics, and literature.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Classroom English Speaking1 (3)
		1-2-ME	Classroom English Writing1 (3)
		1-2-ME	English Culture & English Education (3)
		1-2-ME	Basic English Composition1(3)
2-1-MR	English Pedagogical Grammar (3)	2-2-MR	Understanding of English Education (3)
2-1-ME	Teaching English Composition (3)	2-2-MR	Understanding of English Linguistics (3)
2-1-ME	Classroom English Speaking2 (3)	2-2-ME	Writing Essay in English (3)
2-1-ME	Classroom English Writing2 (3)	2-2-ME	Adolescent English Poetry & Prose (3)
2-1-ME	English Short Stories (3)	2-2-ME	English Newspaper & Education (3)
2-1-ME	Media English Listening & Understanding (3)	2-2-ME	Methodology of Teaching English Composition
2-1-ME	Adolescent English Novel & Drama (3)		(3)
2-1-ME	Basic English Composition2 (3)	2-2-ME	Practical English Composition (3)
2-1-ME	Special Topics for Teaching Reading Skills1 (3)	2-2-ME	Special Topics for Teaching Reading Skills2 (2)
		2-2-ME	Young Adult English Literature (3)
3-1-MR	Educational English Debate1 (3)	3-2-MR	Academic English Writing1 (3)
3-1-MR	Understanding of English Literature (3)	3-2-MR	Media English Teaching (3)
3-1-ME	Teaching Method & Materials of English (3)	3-2-ME	Instructional Theories of English Language (3)
3-1-ME	Instructional Theories of English Semantics (3)	3-2-ME	English Phonetics Practice (3)
3-1-ME	Critical English Writing (3)	3-2-ME	Task-Based English Teaching (3)
3-1-ME	English Syntax Practicum (3)	3-2-ME	Spoken English (3)
3-1-ME	English Discourse Analysis (3)	3-2-ME	Special Topics for Teaching Listening Skills2 (3)
3-1-ME	Special Topics for Teaching Listening Skills1 (3)		
4-1-ME	English Teaching Practice (3)	4-2-ME	English Education Criticism (3)
4-1-ME	Educational English Debate2 (3)	4-2-ME	English Acquisition & Practice (3)
4-1-ME	History and Culture of the English Language (3)	4-2-ME	Academic English Writing2 (3)
4-1-ME	Content-Based English Learning (3)	4-2-ME	Special Topics for Teaching Writing Skills2 (3)
4-1-ME	Conversational Skills for English Teachers (3)	4-2-ME	Field Survey Methodology (3)
4-1-ME	Writing Skills for English Teachers (3)	4-2-ME	Multimedia & English Education (3)
4-1-ME	Special Topics for Teaching Writing Skills1 (3)		

• Faculty

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Department of Ethics Education

Homepage: http://home.chonbuk.ac.kr/ethedu

Phone: 82-(0)63-270-2753

The Department of Ethics Education, established in 1980, has been growing in both quality and quantity of professors and students. The department currently offers courses of eight research fields such as the government and politics of North Korea, the philosophy of China, the history of modern China and International Politics among others.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Social Science (3)
		1-2-ME	Man & Philosophy (3)
		1-2-ME	Life & Politics (3)
		1-2-ME	Peoples & History (3)
2-1-ME	Understanding Socialism (3)	2-2-ME	Theories of Ethics Education (3)
2-1-ME	Ancient & Medieval Philosophy of China (3)	2-2-ME	Modern Philosophy of China (3)
2-1-ME	Study on Democracy (3)	2-2-ME	Government & Politics of North Korea (3)
2-1-ME	American Politics (3)	2-2-ME	Understanding Government & Politics of North
2-1-ME	History of European Socialism (3)		Korea (3)
2-1-ME	Ethics (3)	2-2-ME	Philosothy its History and Issues (3)
3-1-ED	Teaching Materials of Ethics Education (3)	3-2-ED	Teaching Methods of Ethics Education (3)
3-1-ME	Theories of Peaceful Re-Unification (3)	3-2-ME	History of Korean Communist Movements (3)
3-1-ME	Ancient & Medieval Thoughts of Korea (3)	3-2-ME	Neo-Confusion Philosophy of Chosun (3)
3-1-ME	Information Society & Man (3)	3-2-ME	Modern Political Theories (3)
3-1-ME	World Politics (3)	3-2-ME	Theories of International Politics (3)
3-1-ME	Political Socialogy (3)	3-2-ME	Application and Practice of Ethical Theories (3)
3-1-ME	Contemporary Ethics (3)		
4-1-ED	Practice in Teaching (2)	4-2-ED	Ethics & Logic (3)
4-1-ME	History of Ethics (3)	4-2-ME	Analects and Modern Life (3)
4-1-ME	Korean Sil-Hak Thoughts (3)	4-2-ME	Readings in Chinese Philosophy (3)
4-1-ME	Understanding Modern China (3)	4-2-ME	Modern Political Thought
4-1-ME	Seminar in Moral Education (3)		

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

· Lee, Sang-hwi, Ph.D.	Professor, Election & North Korea Politics, shlee@chonbuk.ac.kr, 270-2754
· Lee, Young, Ph.D.	Professor, Modern Chinese History, leeyoung@chonbuk.ac.kr, 270-2756
· Kim, Ki-hyun, Ph.D.	Professor, Confucian Philosophy, kihyun2757@hanmail.net, 270-2757
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· Lee, Joong-ho, Ph.D.	Professor, Comparative Politics, State Theory, leho@chonbuk.ac.kr, 270-2759
· Choi, Young-chul, Ph.D.	Professor, Ethics, philchoi@chonbuk.ac.kr, 270-2760
· Kang, Du-ho, Ph.D.	Professor, Ethics Education and Social Ethics, simon@chonbuk.ac.kr, 270-2762

Department of Geography Education

Phone: 82-(0)63-270-2731

The Department of Geography Education offers courses which help students prepare for teaching geography in secondary schools. This major places the focus of study on physical geography, human geography and regional geography.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-1-MF	Human Geography (3) Principles of Economics (3)
		1-1-ME	Introduction to Korean History (3)
2-1-ME	Geography of World (3)	2-2-MR	Methods of Geographical Education (3)
2-1-ME	Curriculum of Geographical Education (3)	2-2-MR	Physical Geographic Field Survey Methods(3)
2-1-ME	Physical Geography (3)	2-2-ME	Economic Geography (3)
		2-2-ME	Cultural & Historical Geography (3)
		2-2-ME	Rural Geography (3)
3-1-MR	Urban Geography (3)	3-2-MR	Climatology (3)
3-1-MR	Social Geography (3)	3-2-MR	Political Geography (3)
3-1-ME	Cartography & Geographic Information Systems	3-2-ME	Human Geographic Field Survey Methods (3)
	(3)	3-2-ME	Geography of Europe (3)
3-1-ME	Geomorphology (3)	3-2-ME	Geography of Honam Region(3)
3-1-ME	Regional Study on East Asia (3)	3-2-ME	Environmental Geography(3)
3-1-ME	Geography of America (3)		
4-1-MR	Essay Writing of Geography Education(3)	4-2-ME	Applied Geographic Information systems(3)
4-1-ME	Pedological and Biological Geography (3)	4-2-ME	Geography of Africa and Oceania(3)
4-1-ME	Transportation Geography(3)	4-2-ME	Land Use and Planning(3)
4-1-ME	Geography of Korea(3)	4-2-ME	Geography of Asia(3)
4-1-ME	History of Geography(3)		

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

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 Rhew, Ho-shang, Ph D. Assistant Professor, Physical Geography, Geomorphology, rhew0503@hanmail.net, 270-2725

Department of German Education

Homepage: http://home.chonbuk.ac.kr/german

Phone: 82-(0)63-270-2720

The Department of German Education produces prospective secondary school teachers with competence in German Language and Literature. Staffed with five professors, this department works tirelessly to cultivate knowledgable and talented teachers.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Practice in German 1 (3)	1-2-ME	Practice in German 3 (3)
1-1-MR	Practice in German 2 (3)	1-2-ME	Practice in German 4 (3)
2-1-MR	Practice in German Grammar (3)	2-2-MR	History of German Literature (3)
2-1-MR	Introduction to German Literary Science (3)	2-2-ME	Practice in German Writing (3)
2-1-ME	German Text Reading (3)	2-2-ME	German Cultural Background (3)
2-1-ME	History and Society of Germany (3)	2-2-ME	Teaching Methodology in German Language
2-1-ME	Practical German 1 (3)		(German in the Media) (3)
		2-2-ME	Practical German 2 (3)
3-1-ME	18C German Literature (3)	3-2-MR	19C German Literature (3)
3-1-ME	Introduction to German Linguistics (3)	3-2-ME	Understanding of German Novels (3)
3-1-MR	Understanding of German Poetry (3)	3-2-ME	German Literature and Movie (3)
3-1-ED	Teaching Methods and Materials of German	3-2-MR	History of German Language (3)
	Language (3)	3-2-MR	Instructional Theories of German Language (3)
3-1-ME	Practice of Translation (3)		
3-1-ED	Teaching German Composition (3)		
4-1-ME	20C German Literature (3)	4-2-ME	Critics in German Literature (3)
4-1-ME	Reading in German Prose (3)	4-2-ME	German Literature and Music (3)
4-1-ME	German in the Media (Teaching Methodology in	4-2-ME	Contemporary German Literature (3)
	German Language) (3)	4-2-ME	Contemporary German Linguistics (3)
4-1-ME	Understanding of German Dramas (3)		

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

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Department of History Education

Phone: 82-(0)63-270-2765

The Department of History Education offers courses which help students prepare for teaching history in secondary schools. The major focuses on Korean, Asian and Western history.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-ME 1-2-ME	Introduction to European History (3) Introduction to East Asian History (3) Introduction to Korean History (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME	Readings in Korean History (3) Introduction to History (3) Ancient & Medieval History of Asia (3) Ancient History of Korea (3)	2-2-MR 2-2-ME 2-2-ME	Readings in European History (3) Modern History of Asia (3) Medieval History of Korea (3)
3-1-MR 3-1-MR 3-1-ME 3-1-ME	Readings in Asian History (3) Modern History of Korea (3) History Education (3) Ancient & Medieval History of Europe (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Essay Writing of History Education (3) Modern History of Europe (3) Contemporary History of Korea (3) Political History of Korea (3) Contemporary History of Asia (3) Asian Historiography (3)
4-1-MR 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Study of Teaching Materials and Teaching Methods in History (3) Socio-Economic History of Korea (3) Contemporary History of Europe (3) Seminar in European History (3) Seminar in Asian History (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME	Socio-Economic History of Asia (3) Socio-Economic History of Europe (3) Seminar in Korean History (3) History of Western Thought (3)

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

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Department of Korean Education

Homepage: http://home.chonbuk.ac.kr/koredu

Phone: 82-(0)63-270-2711

The Department of Korean Education educates prospective teachers for secondary schools with general and professional competence in Korean Linguistics, Korean Literature and the teaching of Korean Language and Literature. The department offers four specialties: Classics, Criticism, Language and Creation. Students develop their skills and aptitude as teachers for secondary schools through the various activities of these sections.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Korean Literature (3)
		1-2-ME	Understanding Korean Orthography (3)
		1-2-ME	Introduction to Korean Linguistics (3)
		1-2-ME	Theory of Modern Literature (3)
2-1-MR	History of Classical Korean Literature (3)	2-2-MR	Education in Classical Korean Prose (3)
2-1-MR	History of Modern Korean Literature (3)	2-2-MR	Methodology of Teaching Literature (3)
2-1-ME	Education in Korean Oral Literature (3)	2-2-ME	Education in Classical Korean Poetry (3)
2-1-ME	Studies in Korean Phonology (3)	2-2-ME	Methodology of Teaching Essay (3)
2-1-ME	Education in Writing (3)	2-2-ME	Education in Speech Communication (3)
3-1-ED	Methodology of Korean Education (3)	3-2-ED	Instructional Research and Design of Korean
3-1-MR	Korean Semantics (3)		Education (3)
3-1-ME	Modern Literary Currents (3)	3-2-MR	Korean School Grammar (3)
3-1-ME	Readings in Chinese Classics (3)	3-2-MR	History of Modern Literature Criticism (3)
		3-2-ME	Readings in Classical Korean Literature (3)
		3-2-ME	Korean Education and Multimedia (3)
		3-2-ME	Education in Modern Korean Novel (3)
4-1-ED	Practice in Teaching (2)	4-2-ME	Readings in History of Korean Language (3)
4-1-ME	Korean Teaching Analysis and Practice (3)	4-2-ME	Methodology of Literature Criticism (3)
4-1-ME	Education in Reading (3)	4-2-ME	Education in Modern Korean Poetry (3)
4-1-ME	Methodology of Authors Study (3)	4-2-ME	Education in Sino-Korean Literature (3)
4-1-ME	Middle Korean Grammar (3)		

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

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Moon, Young-jin, Ph.D. Associate Professor, Education in Modern Korean Novel, yjmoon@jbnu.ac.kr, 270-2713
Seo, Hyeong-guk, Ph. D. Assistant Professor, Korean Linguistics, seohg@jbnu.ac.kr, 270-2751

Department of Mathematics Education

Homepage: http://home.chonbuk.ac.kr/mathedu

Phone: 82-(0)63-270-2791

The Department of Mathematics Education teaches students to become qualified mathematics teachers. The major prepares students for careers in education, engineering, industry, business, and computer science as well as graduate studies in mathematics or closely related fields.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Introduction to Algebra (3)	1-2-MR	Analysis 1 (3)
1-1-ME	Introduction to Geometry (3)	1-2-ME	Set Theory (3)
		1-2-ME	Linear Algebra 1 (3)
		1-2-ME	Number Theory (3)
2-1-MR	Introduction to Topology 1 (3)	2-2-MR	Algebra 1 (3)
2-1-ME	Linear Algebra 2 (3)	2-2-MR	Material Analysis in Mathematics Education (3)
2-1-ME	Analysis 2 (3)	2-2-ME	Introduction to Topology 2 (3)
2-1-ME	Teaching Discrete Mathematics (3)	2-2-ME	Complex Variables 1 (3)
3-1-ME	Theory of Mathematics Education (3)	3-2-ME	Teaching Method & Materials of Mathematics (3)
3-1-MR	Differential Geometry 1 (3)	3-2-MR	Teaching Probability (3)
3-1-ME	Algebra 2 (3)	3-2-ME	Differential Geometry 2 (3)
3-1-ME	Topology (3)	3-2-ME	Teaching Algebra 1 (3)
3-1-ME	Complex Variables 2 (3)	3-2-ME	Teaching Topology 1 (3)
		3-2-ME	Teaching Analysis 1 (3)
4-1-ED	Practice in Teaching (2)	4-2-ME	Teaching Methods in Mathematics (3)
4-1-ME	Projective Geometry (3)	4-2-ME	Modern Geometry (3)
4-1-ME	Teaching Algebra 2 (3)	4-2-ME	Teaching Numerical Analysis (3)
4-1-ME	Teaching Topology 2 (3)	4-2-ME	Teaching Mathematical Statistics (3)
4-1-ME	Teaching Analysis 2 (3)	4-1-ME	History of Mathematics (3)
4-1-ME	Essay Writing on School Mathematics		

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

· Son, Hong-chan, Ph.D. Professor, Mathematics Education, Topology, hcson@jbnu.ac.kr, 270-2793

· Cho, Yong-hwan, Ph.D. Professor, Commutative Algebra, cyh@chonbuk.ac.kr, 270-2795

· Kim, Youn-hyung, Ph.D. Professor, Topological Dynamics, kyhy@chonbuk.ac.kr, 270-2796

· Park, Yeon-hee, Ph.D. Professor, Analysis, yhpark@chonbuk.ac.kr, 270-2797

· Lee, Sang-cheol, Ph.D. Professor, Commutative Algebra, scl@chonbuk.ac.kr, 270-2798

Department of Physical Education

Homepage: http://home.chonbuk.ac.kr/physicaledu

Phone: 82-(0)63-270-2849

The Department of Physical Education does not only teach students the knowledge and skills necessary to be physical education teachers and sports specialists, but also helps them to be good citizens who practice appropriate physical activities in their everyday life. At present, the department has a wide variety of material and equipment for both experimental and practical training of students.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ED	Track (1)
		1-2-ME	Anatomy of Physical Education (3)
		1-2-ME	Introduction of Physical Education (3)
2-1-MR	History of Physical Education (3)	2-2-MR	Physiology of Exercise (3)
2-1-MR	Gymnastics 1 (1)	2-2-MR	Basketball 1 (1)
2-1-MR	Swimming 1 (1)	2-2-MR	Handball 1 (1)
2-1-ED	Health Education (3)	2-2-ED	Psychology of Physical Education (3)
		2-2-ME	Administration & Management of Sport (3)
		2-2-ME	Badminton (1)
		2-2-ME	Field (1)
		2-2-ME	Golf 1 (1)
		2-2-ME	Ski (1)
		2-2-ME	Table Tennis (1)
		2-2-ME	Judo (1)
3-1-MR	Biomechanics of Exercise (3)	3-2-MR	Tennis (1)
3-1-MR	Volleyball 1 (1)	3-2-MR	Free Gymnastics (1)
3-1-MR	Soccer 1 (1)	3-2-ED	Teaching Method & Material Theory of Physical
3-1-ED	Sport Pedagogy (3)		Education (3)
3-1-ED	Sociology of Sport (3)	3-2-ED	Measurement & Evaluation in Physical Education
3-1-ME	Motor Learning & Control (3)		(3)
3-1-ME	Biochemistry of Exercise (3)	3-2-ED	Training Method (3)
3-1-ME	Basketball 2 (1)	3-2-ME	Test & Prescription in Exercise (3)
3-1-ME	Gymnastics 2 (1)	3-2-ME	Soccer 2 (1)
		3-2-ME	Volleyball 2 (1)
		3-2-ME	Handball 2 (1)
		3-2-ME	Gymnastics 3 (1)
		3-2-ME	Dance Sport (1)
4-1-ME	Motor Development (3)	4-2-ED	Logic & Essay of Physical Education (2)
4-1-ME	Exercise & Nutrition (3)	4-2-ME	Philosophy of Physical Education (3)
4-1-ME	Experiment of Exercise Physiology (3)	4-2-ME	Fundamentals of Motion Analysis (3)
4-1-ME	Physical Education Curriculum & Evaluation (3)	4-2-ME	Sport Medicine (3)
4-1-ME	Theory of Sport for All (3)	4-2-ME	Theory of Coaching (3)
4-1-ME	Golf 2 (1)	4-2-ME	Rugby (1)
4-1-ME	Swimming 2 (1)	4-2-ME	Horse Riding (1)
4-1-ME	Soccer 3 (1)	4-2-ME	Inline Skate (1)
4-1-ME	Track & Field (1)	4-2-ME	Basket ball 3 (1)
		4-2-ME	Sport massage (1)

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

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· Ko, Young-ho, Ph. D.
· Ko, Young-ho, Ph. D.
· Ko, Young-ho, Ph. D.
· Kim, Dae-jin, Ph. D.
· Kang, Jung-ku, Ph. D.
· Yoon, Jung-su, Ph. D.
· Kim, Dal-woo, Ph. D.
· Kim, Dal-woo, Ph. D.
· Kim, Seok-won, Ph. D.
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· Kim, Seok-won, Ph. D.
· Professor, Spots Biomechanics, rockwall@jbnu.ac.kr, 270-2860
· Hwang, Jin, Ph. D.
· Professor, Psychology of Sport, jinh@jbnu.ac.kr, 270-2852

Division of Science Education (Biology Education Major)

Homepage: http://bioedu.chonbuk.ac.kr

Phone: 82-(0)63-270-2782

The objective of the Department of Biology Education is to train students to become professional secondary school teachers in biology and science. We understand that fundamental knowledge and general ideas of biology are necessary to research natural laws. In addition, we apply biology to everyday life and utilize it to develop scientific technology.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Animal Taxonomy & Lab (3)	2-2-MR	Cell Biology (3)
2-1-MR	Plant Taxonomy & Lab (3)	2-2-MR	Theory of Biology Education (3)
2-1-ME	Biotechnology (3)	2-2-ME	Animal Morphology & Lab (3)
2-1-ME	Biostatistics (3)	2-2-ME	Biochemistry & Lab (3)
2-1-ME	Organic Chemistry (3)	2-2-ME	Plant Morphology & Lab (3)
		2-2-ME	Enzymology (3)
3-1-MR	Genetics & Lab (3)	3-2-MR	Ecology & Lab (3)
3-1-MR	Plant Physiology & Lab (3)	3-2-MR	Molecular Biology & Lab (3)
3-1-ME	Teaching Materials & Study for Biological	3-2-MR	Plant Embryology (3)
	Education (3)	3-2-ME	Logics & Statement for Biological Education (3)
3-1-ME	Animal Physiology & Lab (3)	3-2-ME	Lecture & Lab. for Secondary School Biology (3)
3-1-ME	Microbiology & Lab (3)	3-2-ME	Enviromental Biology (3)
3-1-ME	Immunology (3)	3-2-ME	Bioinformatics (3)
3-1-ME	Animal Histology (3)		
4-1-ME	Animal Embryology (3)	4-2-ME	Evolution (3)
4-1-ME	Entomology & Lab (3)	4-2-ME	Paleontology (3)
4-1-ME	Molecular Genetics (3)	4-2-ME	Cryptogamic Botany (3)
4-1-ME	Conservation Biology (3)	4-2-ME	Marine Biology (3)
4-1-ME	Neurobiology (3)	4-2-ME	Virology (3)
4-1-ME	Field Biology & Instruction (1)		

MR: Major Required, ME: Major Elective, ED: Education Required

Faculty

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· Park, Kyung-Hwa, Ph.D. Associate Professor, Animal Taxonomy and Ecology, pkhsyst@jbnu.ac.kr,

270-2783

· Oh, Sang-Wook, Ph.D. Associate Professor, Cytophysiology, sangwoh@jbnu.ac.kr, 270-2785

· Koo, Ja-Choon, Ph.D. Assistant Professor, Plant Molecular Physiology, jkoo@jbnu.ac.kr, 270-2784

· Lee, Jun-Ki, Ph.D. Assistant Professor, Biology Education, junki@jbnu.ac.kr, 270-2778

Division of Science Education(Chemistry Education Major)

Homepage: http://edu3.chonbuk.ac.kr/chemi/index.html

Phone: 82-(0)63-270-2810

The Department of Chemistry Education trains students to become professional secondary school teachers of chemistry and science. Students are required to learn fundamental knowledge of science and have a specialization in chemistry in order to be well-qualified as science teachers and to conduct science based research. We understand that a fundamental knowledge of science as well as a broad understanding of chemistry are necessary in researching natural laws. In addition, we apply chemistry to everyday life and seek to develop new science technologies.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Physical Chemistry 1 (3)	2-2-MR	Physical Chemistry & Lab. (3)
2-1-MR	Chemical Education (3)	2-2-MR	Analytical Chemistry & Lab. (3)
2-1-ME	Analytical Chemistry (3)	2-2-MR	Organic Chemistry 1 (3)
2-1-ME	Mathematics for Chemistry (3)	2-2-ME	Chemistry curriculum & assessment (3)
2-1-ME	General Chemistry Exercise (3)	2-2-ME	Environmental Chemistry (3)
2-1-ME	Physical Chemistry Exercise & Research on	2-2-ME	Polymer Chemistry (3)
	Materials (3)		
2-1-ME	Organic Reactions (3)		
3-1-MR	Inorganic Chemistry & Lab. (3)	3-2-MR	Organic Chemistry & Lab. (3)
3-1-MR	Method of Teaching & Learning Chemistry (3)	3-2-ME	Research on Meterials for Chemical
3-1-MR	Instrumental Analysis (3)		Education(3)
3-1-ME	Organic Chemistry 2 (3)	3-2-ME	Inorganic Chemistry (3)
3-1-ME	Physical Chemistry 2 (3)	3-2-ME	Molecular Spectroscopy (3)
3-1-ME	Organic Spectroscopy (3)	3-2-ME	Physical Organic Chemistry (3)
3-1-ME	Industrial Chemistry (3)	3-2-ME	Electrochemistry (3)
4-1-ED	Practice in Teaching (2)	4-2-ME	Quantum Chemistry (3)
4-1-MR	Writing & Essay for Chemical Education (2)	4-2-ME	Chemical Bond (3)
4-1-ME	Organic Synthesis (3)	4-2-ME	Coordination Chemistry (3)
4-1-ME	Reaction Kinetics (3)	4-2-ME	Introduction to Photochemistry (3)
4-1-ME	Biochemistry 1 (3)	4-2-ME	Contemporary Inorganic Chemistry (3)
4-1-ME	Chemical Thermodynamics (3)	4-2-ME	Organic Chemistry Exercise & Research on
			Materials (3)

Faculty

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· Park, Joon B. Ph.D. Associate Professor, Inorganic Chemistry, joonbumpark@jbnu.ac.kr,

270-2813

· Park, Jun Hui, Ph.D. Assistant Professor, Analytical Chemistry, echem@jbnu.ac.kr, 270-2814

Division of Science Education(Earth Science Education Major)

Homepage: http://home.jbnu.ac.kr/earthedu/index.html

Phone: 82-(0)63-270-2801

The Department of Earth Science Education focuses on the study of the evolution of natural systems since the Earth's formation and applying that knowledge to predict changes in the future. The department has bred a large number of well-trained teachers for middle and high schools, through an honorable history and tradition. Students have been educated through several systematic training programs as well as proper lectures using atmospheric observation systems for meteorological study, large telescopes housed in observatory domes for astronomy study, and various field trips for geology and oceanography studies. In addition, the faculty aims to produce educators with a balance of knowledge, virtues and aspirations.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Solid Earth Science & Inquiry Lab(3)	2-2-MR	Introductory Astronomy & Practice 1(3)
2-1-MR	Atmospheric Earth Science & Inquiry Lab(3)	2-2-ME	Atmospheric Thermodynamics(3)
2-1-MR	Ocean Earth Science & Inquiry Lab	2-2-ME	Natural Material Science & Inquiry Lab Teaching(3)
2-1-ME	Mathematics for Earth Science(3)	2-2-ME	Sedimentology, Stratigraphy & Inquiry Teaching(3)
2-1-ME	Theories of Earth Science Education(3)	2-2-ME	Evolutional Science of Biology & Earth(3)
2-1-ME	History of Earth Science & Inquiry Methods(3)	2-2-ME	Theories of Teaching & Learning Earth Science(3)
		2-2-ME	Earth System Science(3)
3-1-ED	Theories of Teaching-Learning Earth Science(3)	3-2-MR	Petrology & Inquiry Lab Teaching(3)
3-1-MR	Introductory Astronomy & Practice 2(3)	3-2-ME	Field Geology Teaching & Geologic Mapping
3-1-MR	Atmospheric Dynamics(3)		Practice(3)
3-1-ME	Geophysics & Inquiry Lab(3)	3-2-ME	Atmospheric Physics(3)
3-1-ME	Earth Energy Environment & Natural disaster(3)	3-2-ME	Environmental Earth Science(3)
3-1-ME	Atmospheric Observation & Teaching(3)	3-2-ME	Climate Dynamics & Teaching-Learning(3)
3-1-ME	Geology Field Practice & Teaching(3)	3-2-ME	Celestial Mechanics(3)
		3-2-ME	Statistical Analysis in Meteorology(3)
		3-2-ED	Studies of Teaching Materials for Earth Science(3)

4-1-ED	Writing & Essay for Earth Science Education(3)	4-2-ME	Solid Earth Science & Teaching-Learning(3)
4-1-ME	Weather Analysis & Prediction(3)	4-2-ME	Atmosheric Science & Teaching-Learning(3)
4-1-ME	Micrometeorology(3)	4-2-ME	Galactic Astronomy(3)
4-1-ME	Astronomy & Teaching-Learning(3)	4-2-ME	Practice of Astronomy Observation(3)
4-1-ME	Ocean Earth Science & Teaching-Learning(3)	4-2-ME	Environmental Climatology(3)
4-1-ME	Plate Tectonics & Geology of Korea(3)	4-2-ME	Seminars in Earth Science(3)
4-1-ED	Practice in Teaching(2)		

Faculty

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 Park, Chan-gyung, Ph.D. Assistant Professor, Astrophysics and Cosmology, parkc@jbnu.ac.kr, 270-2807

Division of Science Education(Physics Education Major)

Homepage: https://phyedu.chonbuk.ac.kr

Phone: 82-(0)63-270-2774

The Department of Physics Education provides undergraduate and graduate programs for teacher-to-be students specializing in physics education. After fulfilling the highly competitive undergraduate curricula consisting of University Physics and Physics Education, students are granted with a Bachelor's Degree in Science Education and Second Class Secondary School Teacher's Certificate. There are two kinds of graduate school in the department: Professional Graduate School and Graduate School. The former is mainly dedicated to the re-education of teachers and also provides another track endowing a teacher's certificate for students from outside of the college of education. The latter, Graduate School, offers programs for Master's degrees in Science and Ph.D. degrees in Science Education. Research fields include elementary particle physics, nuclear physics, atomic-molecular-optical physics, condensed matter physics, and nanophysics.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Mechanics 1 (3)	2-2-MR	Mechanics 2 (3)
2-1-MR	Electromagnetism 1 (3)	2-2-MR	Electromagnetism 2 (3)
2-1-MR	Mathematical Physics 1 (3)	2-2-ME	Mathematical Physics 2 (3)
2-1-ME	Computational Physics(3)	2-2-ME	Modern Physics (3)

2-1-ME	Fundamental Physics Lab. 1 (1)	2-2-ME	Fundamental Physics Lab. 2 (1)
3-1-ED 3-1-MR 3-1-MR 3-1-ME 3-1-ME 3-1-ME	Physics Education (3) Quantum Physics 1 (3) Statistical Physics (3) Optics 1 (3) Advanced Physics (3) Intermediate Physics Lab. 1(1)	3-2-ED 3-2-MR 3-2-ME 3-2-ME 3-2-ME	Physics Educational Logic and Statement (3) Quantum Physics 2 (3) Optics 2 (3) Thermal & Statistical Physics (3) Intermediate Physics Lab. 2(1)
4-1-ED 4-1-ED 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Practice in Teaching (2) Study of Physics Materials(3) Nuclear Physics (3) Environment & Energy (3) Solid State Physics 1 (3) Advanced Physics Lab. 1 (2)	4-2-ED 4-2-ED 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Physics seminar (3) Study of Teaching Physics(3) Solid State Physics 2 (3) Nuclei and Radiation) (3) Particle Physics (3) Advanced Physics Lab. 2 (1)

Faculty

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Han, Sang-Wook, Ph. D. Associate Professor, Nanophysics, shan@jbnu.ac.kr, 82-(0)63-270-2775
Kim, Eun-Joo, Ph. D. Associate Professor, Nuclear Physics, ejkim@jbnu.ac.kr, 82-(0)63-270-2776

· Song, Kyu Jeong, Ph.D. Associate Professor, Condensed Matter Physics, songkj@jbnu.ac.kr,

82-(0)63-270-2803

· Choi, Jai-Min, Ph.D. Assistant Professor, Atomic, Molecular and Optical Physics,

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Department of Social Studies Education

Phone: 82-(0)63-270-2765

The Department of Social Studies Education offers courses which help students prepare for teaching social studies in secondary schools, with the main focus on politics, economics, sociology, cultural anthropology and law.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-ME 1-2-ME	Introduction to Jurisprudence (3) Government and Politics of Korea (3) Sociology (3)
2-1-MR 2-1-ME	Constitutional Law (3) Principles of Economics 1 (3)	2-2-ME 2-2-ME	Politics (3) Principles of Economics 2 (3)

2-1-ME 2-1-ME	Theories of Democracy (3) Modern Society and Culture (3)	2-2-ME 2-2-ME 2-2-ME 2-2-ME	Theory of Citizenship Education (3) Socio-Economic History (3) Industrial Society and Labor (3) Criminal Law (3)
3-1-MR 3-1-MR 3-1-ME 3-1-ME 3-1-ME	Microeconomics (3) Political Thought of Europe (3) Instructional Theories of Social Studies (3) Civil Law 1 (3) Korean Society (3)	3-2-MR 3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Macroeconomics (3) Study of Teaching Materials and Teaching Method in Social Studies (3) International Politics (3) Understanding of Modern Society (3) Marxian Political Economics (3) Civil Law 2 (3)
4-1-MR 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Logical Thinking and Essay Writing of Social Studies (3) Sociological Theory and Methodology (3) World Economy and Korea Economy (3) Administrative Law (3) Contemporary Political Theory (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Theory of Social Studies Teacher (3) Political Thought of Asia (3) Issues of Modern Capitalism (3) Seminar in Law (3) Seminar in Sociology (3)

• Faculty

· Kang, Daehyun, Ph.D.

· Choi, Jongmin, Ph.D. Professor, Economic Theory, jmchoi@jbnu.ac.kr, 270-2773 · Jeong, Taeseok, Ph.D. Professor, Sociology, tsjeong@jbnu.ac.kr, 270-2789 Associate Professor, Political Philosophy, ohyunchul@jbnu.ac.kr, 270-2768 · Oh, Hyunchul, Ph.D. Assistant Professor, Social Studies Education, kdh1119@jbnu.ac.kr, 270-2766

COLLEGE OF ENGINEERING

The College of Engineering offers a broad spectrum of disciplines to meet the demands of our technologically-oriented society. The growth of the nation and its region depend on the development of high technology and its ability to be technological competitive. To intensify its competitive power, the College has focused on strengthening fundamental curriculums, custom-made education programs for and with industries, programs accredited by the Accreditation Board for the Engineering Education of Korea, and creative engineering planning programs in order to foster skilled engineers.

The College of Engineering was founded in 1951 and has since grown to be the biggest college of the university. The College now consists of 8 Divisions and 8 Departments encompassing all the major areas of engineering and has about 230 professors and 6,000 undergraduates and graduates.

The College has been so successful in carrying out nationally funded projects in Automotive Engineering, such as the BK21 project in Electronics & Information Engineering that we have constructed a solid basis for the education of engineering. Recently we have been the recipient of NURI projects in the fields of Mechanical & Automotive Technology, New & Renewable Energy, Health Care for Research-oriented Universities, and Second-stage BK21 projects in the field of Electronics & Information Engineering, Future Energy Materials & Devices, Bio-Informatics and Nano Technology and IT/NT Fusion Technology. These programs have tremendously improved the educational and research infrastructure through investments in the classrooms and laboratories. With the infrastructure built, the College will be able to meet the growing demand for well-trained engineers that the 21st century society has.

Division of Advanced Materials Engineering (Major of Electronic Materials Engineering)

Phone: 82-(0)63-270-2378

In the midst of a worldwide materials revolution, the Department of Electronic Materials Engineering plays a major role as a gateway, conducting cutting-edge research. We carry out research and develop advanced materials and devices that support cutting-edge technologies for various industrial fields including automotive, electronics, energy, and telecommunications. We also provide a well-rounded education in materials science and engineering which meets the needs of industry and academia. In order to develop advanced materials to meet new challenges, all aspects of the properties of materials such as physical, chemical, electrical, mechanical, and thermal properties must be understood. In addition, the development of novel processing and fabrication techniques is crucial to meet the rising demands for smaller and faster devices in the electronic industry. Thus, preparation for better careers in materials science and engineering require comprehensive and interdisciplinary study. Based on knowledge of physics, chemistry, mechanics, electronics, metal and ceramic materials, students can focus on a material application such as nano-ceramics, magnetic, dielectric, or energy materials to gain specialized knowledge in their chosen field.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
		1-2-ME	Materials Science (3)
2-1-MR	Materials Physics (3)	2-2-MR	Thermodynamics of Materials 1 (3)
2-1-MR	Microstructure of Materials (3)	2-2-ME	Introduction to New & Renewable Energy (3)
2-1-ME	Physical Chemistry of Materials 1 (3)	2-1-ME	Physical Properties of Electronic Materials (3)
2-1-ME	X-ray Crystallography (3)	2-1-ME	Physical Chemistry of Materials 2 (3)
2-1-ME	Ceramic Phase Equilibrium (3)	2-2-ME	Lab. for Microstructure of Materials (3)
3-1-MR	Metallic Materials (3)	3-2-ME	Ceramics Engineering 2 (3)
3-1-MR	Semiconductor Materials (3)	3-2-ME	Semiconductor Devices (3)
3-1-MR	Ceramics Engineering 1 (3)	3-2-ME	Metals for Semiconductor (3)
3-1-ME	Thermodynamics of Materials 2 (3)	3-2-ME	Powder Processing & Lab. (3)
3-1-ME	New & Renewable Energy Lab. (3)	3-2-ME	Ceramics Basic Lab. (3)
3-1-ME	Strength of Materials & Lab. (3)	3-2-ME	Crystallography (3)
4-1-ME	Capstone Design 1 (3)	4-2-ME	Transmission Electron Microscopy (3)
4-1-ME	Electronic Ceramics (3)	4-2-ME	Thin Film Processing & Lab. (3)
4-1-ME	Fuel Cell (3)	4-2-ME	Physical Ceramics (3)
4-1-ME	Ceramics Synthesis (3)	4-2-ME	Reaction Kinetics in Solids & Lab. (3)
4-1-ME	Ceramics Synthesis Lab. (3)	4-2-ME	Electronics Packaging (3)
4-1-ME	Piezoelectic Materials and Devices (3)	4-2-ME	Capstone Design 2 (3)
		4-2-ME	Solar Cell Materials & Devices (3)

MR: Major Required, ME: Major Elective

Faculty

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· Kim, Bok-hee, Ph.D. Professor, Synthesis of Electronic Ceramic, kimbh@jbnu.ac.kr, 270-2380

· Shon, In-jin, Ph.D. Professor, Rapid Sintering & Fabrication of Nano-powders,

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· Lee, Byung-soo, Ph.D. Professor, Semiconductor/Electronic Materials, leeby@jbnu.ac.kr, 270-2382

· Ahn, Haeng-keun, Ph.D. Professor, Electronics Packaging, ahnhk@jbnu.ac.kr, 270-2383

· Ahn, Byung-guk, Ph.D. Professor, Energy Conversion Materials, bkahn@jbnu.ac.kr, 270-2300

· Lee, Ki-tae, Ph.D. Associate Professor, Energy Materials, ktlee71@jbnu.ac.kr, 270-2290

Division of Advanced Materials Engineering (Information Materials Engineering Major)

Homepage: http://itmat.jbnu.ac.kr Phone: 82-(0)63-270-3969

Our major has focused on the development of the core technologies based on material synthesis and device fabrication which can be applied to newly emerging fields of nano-technology (NT), information-technology (IT), environmental-technology (ET) and IT+NT fusion technology (INT). Students mainly

study semiconductors and new-functional materials and devices for the information technology sectors such as communications (cellular phone, optical fiber, laser diode, photo diode), display (TFT-LCD, PDP, FED) and data storage/processes(digital camera, RAM, DVD, micro-processor, CPU, MP3), the renewable energy such as solar cells and fuel cells is also one of our major subjects. Today the knowledge of synthesis techniques of new-conceptual materials including nano-sized semiconductors and their fundamental physics and chemistry are recognized as the most important points for developing superior device applications. How do we understand, control, and reproduce the basic properties of the advanced high-tech materials? How can we make use of them? How can we make sure that they operate without failure? How can we apply them to the commercial market? These are the representative questions that the Major of Information Materials Engineering pursues.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Materials Science (3)
2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME	Physical Chemistry (3) Introduction to Semiconductor Engineering (3) Electrical circuit (3) Introduction to Materials Design (3) Basic Experiment for Information Materials 1 (3)	2-2-MR 2-2-MR 2-2-ME 2-2-ME	Magnetic IT Materials (3) Semiconductor Properties and Devices 1 (3) Solid State Physical Chemistry (3) Basic Experiment for Information Materials 2 (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Optoelectronic Materials Engineering (3) Electron Microscopy (3) Metallic Materials (3) Introduction to New Recyclable Energy (3) Semiconductor Properties and Devices 2 (3) Experiment on Characterization for Information Materials (2)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Semiconductor device Engineering (3) Electronics (3) Materials Design Engineering (3) Phase Transformation of Materials (3) X-ray Engineering (3) Experiment on Solar Cell Materials (3) Field Practice (1)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Optical Communication System (3) Capstone Design 1 (3) Synthesis of Nano Materials (3) Thin Film Science (3) Sensor Engineering (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Capstone Design 2 (3) NT materials for IT (3) Information Display Devices (3) Semiconductor Process & Solar Cell Application (3) Electrochemistry (3) Research Project (3)

MR: Major Required, ME: Major Elective

Faculty

· Choi, Byung-young, Ph.D.	Professor, Materials Design and Process, bychoi@jbnu.ac.kr, 270-2296
· Choi, Dae-kyu, Ph.D.	Professor, RF Sputter, PECVD Thin Film Growth, dkchoi@jbnu.ac.kr, 270-2297
· Seol, Kyeong-won, Ph.D.	Professor, Thin Film Growth Using Electroplating, kwseol@jbnu.ac.kr, 270-2302
· Lee, Cheul-ro, Ph.D.	Professor, Semiconductor Materials and Devices, crlee7@jbnu.ac.kr, 270-2304
· Lee, In-whan, Ph.D.	Professor, Photoelectronic Materials and Nano-photonics, ihlee@jbnu.ac.kr, 270-2292

· Yu, Yeon-tae, Ph.D. Professor, Synthesis and Application of Nano-Particles Materials,

yeontae@jbnu.ac.kr, 270-2288

· Kim, Jin-soo, Ph.D. Associate Professor, Nano Communication Devices and System Applications,

kjinsoo@jbnu.ac.kr, 270-2291

Division of Advanced Materials Engineering (Metallurgical System Engineering Major)

Homepage: http://metal.chonbuk.ac.kr

Phone: 82-(0)63-270-2286

The Department of Metallurgical Systems Engineering provides a systematic education and new research programs regarding materials science and engineering which cultivate scientists and engineers with world-wide leadership. The department is committed to research-oriented teaching at the forefront of the state-of-the-art research. The faculty members are continuously developing lectures about the latest multidisciplinary developments on such subjects as materials chemistry, materials physics, biomaterials, and nanomaterials, energy materials, surface engineering and advanced structural materials. The department also seeks out ways of globalization with extensive networks for cooperative research, exchanging students, and long-term exchange training programs.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-ME	Materials Science (3)	1-2-ME	Introduction to Metallurgical Engineering (3)
2-1-MR	Physical Metallurgy 1 (3)	2-2-MR	Crystal Structure (3)
2-1-MR	Metallography (3)	2-2-ME	Physical Chemistry of Metals 2 (3)
2-1-MR	Physical Chemistry of Metals 1 (3)	2-2-ME	Physical Metallurgy 2 (3)
2-1-ME	Chemical Metallurgy Processing (3)	2-2-ME	Numerical Analysis (3)
2-1-ME	Metallurgical Engineering Lab. 1 (3)	2-2-ME	Introduction to Renewable Energy (3)
		2-2-ME	Metallurgical Engineering Lab. 2 (3)
3-1-MR	Thermodynamics of Metals (3)	3-2-MR	Strength of Metals (3)
3-1-ME	Metal Forming (3)	3-2-ME	Steel Making (3)
3-1-ME	Iron Making (3)	3-2-ME	Phase Transformation of Metals (3)
3-1-ME	Ferrous Materials (3)	3-2-ME	Heat Treatments (3)
3-1-ME	Foundry Engineering (3)	3-2-ME	Surface Engineering (3)
3-1-ME	Metallurgical Engineering Lab. 3 (3)	3-2-ME	Experiment on Renewable Energy Materials (3)
4-1-ME	Powder Metallurgy (3)	4-2-ME	Metal Refining (3)
4-1-ME	Non-ferrous Materials (3)	4-2-ME	Bio Materials (3)
4-1-ME	Engineering of Non-ferrous Metallurgy(3)	4-2-ME	Metal Process Design (3)
4-1-ME	Crystal Growth (3)	4-2-ME	Advanced Materials (3)
4-1-ME	Corrosion and Protection of Metals (3)	4-2-ME	Capstone Design 2 (3)
4-1-ME	Structural Analysis of Materials (3)	4-2-ME	Research Project (1)
4-1-ME	Capstone Design 1 (3)		
4-1-ME	Field Practice (1)		

MR: Major Required, ME: Major Elective

Faculty

· Ko, In-yong, Ph.D. Professor, Plasma Engineering, plasma@jbnu.ac.kr, 270-2295 · Woo, Kee-do, Ph.D. Professor, Phase Transformation of Metal, kdwoo@jbnu.ac.kr, 270-2299 Professor, Surface Engineering of Metal, yoonjm@jbnu.ac.kr, 270-2303 · Yoon, Jeong-mo, Ph.D. · Park, Je-shin, Ph.D. Assistant Professor, Physical Metallurgy, parkjs@jbnu.ac.kr, 270-2293 Assistant Professor, Nanocrystalline materilas, romankov@jbnu.ac.kr, · Sergey Romankov, Ph. D. 270-2281 · Lee, Seok-Jae, Ph. D. Assistant Professor, Metal Process Modeling, seokjaelee@jbnu.ac.kr, 270-2298 · Lim, Jae-won, PhD. Assistant Professor, Physical Refining, jwlim@jbnu.ac.kr, 270-2307

Department of Aerospace Engineering

Homepage: http://aerospace.chonbuk.ac.kr

Phone: 82-(0)63-270-2468

The Department of Aerospace Engineering deals with the design, construction and science of aircraft and spacecraft and encompasses all of the basic fields for aerospace engineering education: control, material and structural, propulsion, and fluid mechanics. Students begin with fundamental courses in the mechanical engineering field and then deepen aerospace engineering knowledge through major course work. The final goal of this department is to develop graduates who can play an important role in the Korean aerospace and defense industries.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Engineering Mechanics (3)	2-2-ME	Fluid Mechanics (3)
2-1-ME	Engineering Numerical Methods (3)	2-2-ME	Thermodynamics (3)
2-1-ME	Introduction to Aerospace Engineering and Basic	2-2-ME	Solid Mechanics (3)
	Design (3)	2-2-ME	Dynamics (3)
2-1-ME	Fundamentals of Electrical Engineering (3)	2-2-ME	Introduction to Aerospace Robotics (3)
2-1-ME	Introduction to Creative Engineering Design (3)		
3-1-MR	Aerodynamics (3)	3-2-MR	Aircraft Propulsion System (3)
3-1-MR	Flight Dynamics (3)	3-2-ME	Compressible Fluid Flow (3)
3-1-MR	Aerospace Structural Mechanics (3)	3-2-ME	Combustion Engineering and Lab. (3)
3-1-ME	Heat Transfer (3)	3-2-ME	Aircraft Materials and Structural Design (3)
3-1-ME	Control system Design (3)	3-2-ME	Mechatronics and Lab (3)
3-1-ME	Mechanical Measurement and Lab. (3)	3-2-ME	Aircraft Conceptual Design (3)
3-1-ME	Computer Aided Design and Practice (3)	3-2-ME	Introduction to Wind Power (3)
3-1-ME	Systems Engineering and Design for Aircraft (3)		
4-1-MR	Field Practice (1)	4-2-MR	Capstone Design (3)
4-1-MR	Capstone Design (3)	4-2-ME	Space Propulsion and Lab (3)
4-1-ME	Noise Engineering (3)	4-2-ME	Nondestructive Testing and Condition
			Monitoring (3)

4-1-ME	Applied Fluid Mechanics (3)	4-2-ME	Guidance and Control of Flight Vehicles (3)
4-1-ME	Gas Turbine Engine Basic Design (3)	4-2-ME	Management of Technology in Aviation (3)
4-1-ME	Applied Thermal Engineering (3)	4-2-ME	Aerodynamic Design for Wind Turbine(3)
4-1-ME	Aircraft vibrational Design (3)	4-2-ME	Computational Structural Modeling and
4-1-ME	Orbital Mechanics (3)		Analysis (3)
4-1-ME	Design & Application of Composite Materials (3)		

MR: Major Required, ME: Major Elective

Faculty

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Department of Architectural Engineering

Homepage: http://archi.chonbuk.ac.kr/

Phone: 82-(0)63-270-2276

The Department of Architectural Engineering deals with architecture; an integrated science which requiring balance between building space, use of architectural engineering building equipment, structural design, building construction, building materials, and many more. The educational purpose of the Department is to develop creativity and integrated ability in the fields of architecture and social service. In the process of modernization and industrialization, architects work to solve housing design problems, as such, many creative and able architects and engineers will always be needed.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Architectural Drawing & Draft (3) Introduction to Architecture (3)
2-1-MR 2-1-MR 2-1-MR	Stuctural Analysis 1 (3) Building Structure (3) Architectural Environmental Technology 1 (3)	2-2-ME 2-2-ME 2-2-ME	Architectural Design 1 (3) Digital Architecture (3) Building Material (3)

2-1-ME	Introduction to Capstone Design (3)	2-2-ME 2-2-ME 2-2-ME	Stuctural Analysis 2 (3) Architectural Environment Technology 2 (3) Architectural Presentation Techniques (3)
3-1-MR 3-1-MR 3-1-ME 3-1-ME 3-1-ME	Reinforced Concrete Structures 1 (3) Building Works 1 (3) Architectural Design 2 (3) Building Material Lab (2) Architectural Environmental Technology 3 (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	History of Korean Architecture (3) Reinforced Concrete Structures 2 (3) Building Works 2 (3) Waste Management of Building (3) Building System 1 (3) Environmental-Friendly Architectural Design (3) Building Codes (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Architectural Capstone Design (3) History of Western Architecture (3) Steel Structures 1 (3) Design Building System (3) Building Estimate (3) Building System 2 (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Architectural Capstone Design (3) Layout Planning (3) Steel Structures 2 (3) Dynamic of Structures (3) Construction Management (3) Architectural Environmental Design (3)

MR: Major Required, ME: Major Elective

Faculty

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· Kim, Young-moon, Ph.D. Professor, Wind Structure, kym@jbnu.ac.kr, 270-2284

· Nam, Hae-kyeong, Ph.D. Professor, Architectural Planning, namhk@jbnu.ac.kr, 270-2277

· Jeong, Daeup, Ph.D. Professor, Architectural Acoustics, daeupj@jbnu.ac.kr, 270-2278

· So, Seung-young, Ph.D. Assistant Professor, Architectural Construction, archiso@jbnu.ac.kr,

270-4059

· Min, Sang-choong, M. Arch. Associate Professor, Architectural Design, schmin@jbnu.ac.kr, 270-4058

· You, Ki-pyo, Ph.D. Assistant Professor, Steel & Wind Structure, youkp@jbnu.ac.kr, 270-4057

Division of Biomedical Engineering (Healthcare Information Engineering Major)

Homepage: http://bie.jbnu.ac.kr Phone: 82-(0)63-270-4063

The Department of Healthcare Information Engineering focuses on information technology for the management and protection of individual health in real-time with no limitations or delays. The Department seeks the creation of fusion technologies that can protect and manage individual health based on information technology. This is futuristic engineering that enables real-time expert management systems for checking individual health conditions utilizing computer science technology.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Human Anatomy and Physiology 1 (3)	2-2-MR	Electronic Circuit Design and Lab. 2 (3)
2-1-ME	Introduction to Biomedical Engineering (3)	2-2-MR	Visual Programming and Lab. 2 (3)
2-1-ME	Medical Terminology (3)	2-2-ME	Human Anatomy and Physiology 2 (3)
2-1-ME	Probability and Statistics (3)	2-2-ME	Biomedical Informatics (3)
2-1-ME	Biomechanics 1 (3)	2-2-ME	Biological Properties (3)
2-1-ME	Electronic Circuit Design and Lab. 1 (3)	2-2-ME	Biomechanics 2 (3)
2-1-ME	Visual Programming and Lab. 1 (3)		
3-1-MR	Computer Aided Mechanical Design and Lab. (3)	3-2-MR	Embedded System and Lab. 2 (3)
3-1-ME	Database and Practice (3)	3-2-ME	Biomedical Equipment 2 (3)
3-1-ME	Biomedical Equipment 1 (3)	3-2-ME	Biomedical Measurement and Lab. 2 (3)
3-1-ME	Biomedical Measurement and Lab. 1 (3)	3-2-ME	LabVIEW Application and Lab. 2 (3)
3-1-ME	Embedded System and Lab. 1 (3)	3-2-ME	Computer Network (3)
3-1-ME	Microprocessor System and Lab. (3)		
3-1-ME	LabVIEW Application and Lab. 1 (3)		
4-1-MR	Biomedical Capstone Design 1 (3)	4-2-ME	Biomedical Capstone Design 2 (3)
4-1-ME	Biomedical Instrumentation Regulations and Safety	4-2-ME	Bionics Seminar (3)
	Management (3)	4-2-ME	Healthcare Equipment Design (3)
4-1-ME	Rehabilitation Engineering and Lab. (3)	4-2-ME	Sensibility Engineering (3)
4-1-ME	Structural Mechanics and Practice (3)	4-2-ME	Internship (3)
4-1-ME	Gerontological Healthcare Engineering (3)		
4-1-ME	Introduction to Alternative Medicine (3)		

MR: Major Required, ME: Major Elective

Faculty

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Kwon, Tae-kyu, Ph. D. Associate Professor, Biomechatronics, kwon10@jbnu.ac.kr, 270-4066
Kim, Jung-ja, Ph. D. Associate Professor, Bioinformatics, jungjakim@jbnu.ac.kr, 270-4102
Yang, Yoon-seok, Ph. D. Associate Professor, Biomedical Engineering, ysyang@jbnu.ac.kr, 270-4068
Ryu, Mun-ho, Ph. D. Associate Professor, Biomedical Engineering, mhryu@jbnu.ac.kr, 270-4067

Division of Biomedical Engineering (Healthcare Instrument Engineering Major)

Homepage: http://bie.jbnu.ac.kr Phone: 82-(0)63-270-4063

The Department of Healthcare Instrument Engineering provides the cutting-edge technologies for equipment that can help maintain health. This degree program concentrates on analyzing human functions through science and engineering and applying the findings to medical and welfare industries.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Human Anatomy and Physiology 1 (3)	2-2-MR	Electronic Circuit Design and Lab. 2 (3)
2-1-ME	Introduction to Biomedical Engineering (3)	2-2-MR	Visual Programming and Lab. 2 (3)
2-1-ME	Medical Terminology (3)	2-2-ME	Human Anatomy and Physiology 2 (3)
2-1-ME	Probability and Statistics (3)	2-2-ME	Biomedical Informatics (3)
2-1-ME	Biomechanics 1 (3)	2-2-ME	Biological Properties (3)
2-1-ME	Electronic Circuit Design and Lab. 1 (3)	2-2-ME	Biomechanics 2 (3)
2-1-ME	Visual Programming and Lab. 1 (3)		
3-1-MR	Computer Aided Mechanical Design and Lab. (3)	3-2-MR	Embedded System and Lab. 2 (3)
3-1-ME	Database and Practice (3)	3-2-ME	Biomedical Equipment 2 (3)
3-1-ME	Biomedical Equipment 1 (3)	3-2-ME	Biomedical Measurement and Lab. 2 (3)
3-1-ME	Biomedical Measurement and Lab. 1 (3)	3-2-ME	LabVIEW Application and Lab. 2 (3)
3-1-ME	Embedded System and Lab. 1 (3)	3-2-ME	Computer Network (3)
3-1-ME	Microprocessor System and Lab. (3)		
3-1-ME	LabVIEW Application and Lab. 1 (3)		
4-1-MR	Biomedical Capstone Design 1 (3)	4-2-ME	Biomedical Capstone Design 2 (3)
4-1-ME	Biomedical Instrumentation Regulations and Safety	4-2-ME	Bionics Seminar (3)
	Management (3)	4-2-ME	Healthcare Equipment Design (3)
4-1-ME	Rehabilitation Engineering and Lab. (3)	4-2-ME	Sensibility Engineering (3)
4-1-ME	Structural Mechanics and Practice (3)	4-2-ME	Internship (3)
4-1-ME	Gerontological Healthcare Engineering (3)		
4-1-ME	Introduction to Alternative Medicine (3)		

MR: Major Required, ME: Major Elective

Faculty

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· Hong, Chul-un, Ph.D. Professor, Biophysics, cuhong@jbnu.ac.kr, 270-4065

· Kwon, Tae-kyu, Ph.D. Associate Professor, Biomechatronics, kwon10@jbnu.ac.kr, 270-4066
· Kim, Jung-ja, Ph.D. Associate Professor, Bioinformatics, jungjakim@jbnu.ac.kr, 270-4102

· Yang, Yoon-seok, Ph.D. Associate Professor, Biomedical Engineering, ysyang@jbnu.ac.kr, 270-4068

· Ryu, Mun-ho, Ph.D. Associate Professor, Biomedical Engineering, mhryu@jbnu.ac.kr, 270-4067

Division of Chemical Engineering

Homepage: http://che.chonbuk.ac.kr

Phone: 82-(0)63-270-2431

The Department of Nanochemical Engineering, Department of Biochemical Engineering, Department of Energychemical Engineering together form the Division of Chemical Engineering that offers degree programs of the following levels; Bachelor of Science, Master of Science, and Doctor of Philosophy in Chemical Engineering, supported by national funds through the New University for Regional Innovation

and Brain Korea 21 programs. In the undergraduate school, we offer a high quality chemical engineering program that meets we meet an international standard of engineering education accreditation, and we also offer advanced curriculums for energy-chemical engineering, nanochemical engineering, and biochemical engineering. In the graduate school, we offer advanced education and research programs, cooperating with the department of semiconductor science and technology.

Faculty

· Choi, Soo-hyoung, Ph.D. Professor, Process Systems Engineering, soochoi@jbnu.ac.kr, 270-2432 · Chung, Bong-woo, Ph.D. Professor, Bio Chemical Engineering, bwchung@jbnu.ac.kr, 270-2309 · Florian Stadler, Ph D. Associate Professor, Renewable Technology and Rheology, fjstadler@jbnu.ac.kr, 270-4039 · Hahn, Yoon-bong, Ph.D. Professor, Nanomaterials Process Engineering, ybhahn@jbnu.ac.kr, 270-2439 · Im, Yeon-ho, Ph.D. Associate Professor, Nanoelectrochemistry, yeonhoim@jbnu.ac.kr, 270-2434 · Kim, Jong-seok, Ph.D. Professor, Mechanochemistry, js-kim@jbnu.ac.kr, 850-0807 · Kim, Jong-soo, Ph.D. Professor, Bio Material Engineering, jskim@jbnu.ac.kr, 850-0804 · Kim, Pil, Ph.D. Associate Professor, Fuel Cell, kimpil1@jbnu.ac.kr, 270-2433 · Kim, Seong-jong, Ph.D. Professor, Powder Technolog. Biomedical & Chemical Engineering, ksjong@jbnu.ac.kr, 850-0803 · Lee, Dai-soo, Ph.D. Professor, Polymer Processing, dslee@jbnu.ac.kr, 270-2310 · Lee, Soo-hyoung, Ph.D. Associate Professor, Polymer Chemistry, shlee66@jbnu.ac.kr, 270-2435 Professor, Organic Chemistry, yosklear@jbnu.ac.kr, 270-2312 · Lee, Youn-sik, Ph.D. · Min, Ji-ho, Ph.D. Associate Professor, Molecular Biotechnology, jihomin@jbnu.ac.kr, 270-2436 · Nahm, Kee-suk, Ph.D. Professor, Reaction Engineering, nahmks@jbnu.ac.kr, 270-2311 · Shin, Hyung-shik, Ph.D. Professor, Surface Chemistry, hsshin@jbnu.ac.kr, 270-2438 · Yang, O-bong, Ph.D. Professor, Solar Energy Engineering, obyang@jbnu.ac.kr, 270-2313

Division of Chemical Engineering (Biochemical Engineering Major)

· Yun, Yeoung-sang, Ph.D. Professor, Environmental Biotechnology, ysyun@jbnu.ac.kr, 270-2308

Homepage: http://che.chonbuk.ac.kr

Phone: 82-(0)63-270-2431

The Department of Biochemical Engineering aims to produce creative chemical engineers with specialties in biomolecular and bioprocess engineering. The department offers a curriculum of biochemistry, applied microbiology, biocatalysis, molecular biotechnology, metabolic engineering, cell culture, bioreactor engineering, bioprocess systems engineering, bioseparation, environmental biotechnology, and white biotechnology as well as the fundamental aspects of chemical engineering.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Introduction to Chemical Engineering (3) Introduction to creative Engineering Capstone Design(3)
2-1-MR 2-1-MR	Physical Chemistry 1 (3) Organic Chemistry 1 (3)	2-2-MR 2-2-ME	Principles of Chemical Engineering Calculation(3) Physical Chemistry 2 (3)
2-1-ME	Fundamental Chemical Engineering Lab. (3)	2-2-ME	Organic Chemistry 2 (3)
2-1-ME	Introduction to New and Renewable Energy(3)	2-2-ME	Applied Microbiology(3)
2-1-ME	Applied Biochemistry(3)	2-2-ME	Analytical Chemistry(3)
		2-2-ME	Fundamental Industrial Chemistry Lab. (3)
3-1-MR	Chemical Engineering Thermodynamics 1 (3)	3-2-MR	Chemical Reaction Engineering 1(3)
3-1-ME	Electrochemical Engineering(3)	3-2-MR	Applied Instrumental Analysis(3)
3-1-ME	Chemical Engineering Lab.(3)	3-2-ME	Chemical Engineering Thermodynamics 2(3)
3-1-ME	Polymer Chemistry(3)	3-2-ME	Polymer Engineering(3)
3-1-ME	Molecular Bioengineering(3)	3-2-ME	Biochemical Engineering(3)
3-1-ME	Transport Phenomena(3)	3-2-ME	Industrial Chemistry Lab.(3)
3-1-ME	Process Fluid Mechanics(3)	3-2-ME	Bioseparation Process(3)
3-1-ME	Computer Applications in Chemical	3-2-ME	Heat and Mass Transfer(3)
3-1-ME	Engineering(3)	3-2-ME	Process Control(3)
3-1-IVIE	Enzyme Engineering(3)		
4-1-ME	Chemical Reaction Engineering 2(3)	4-2-ME	Capstone Design(3)
4-1-ME	Separation Processes(3)	4-2-ME	Fine Chemistry Industry(3)
4-1-ME	Capstone Design(3)	4-2-ME	Fused Nanotechnology(3)
4-1-ME	Field Practice(1)	4-2-ME	Chemical Process Safety Engineering(3)
4-1-ME	Colloid and Surface Chemistry(3)	4-2-ME	Industrial Bioengineering(3)
4-1-ME	Bioprocess Design(3)		
4-1-ME	Biomaterials Engineering(3)		
4-1-ME	New and Renewable Energy Lab.(3)		
4-1-ME	Environmental Energy Engineering(3)		

MR: Major Required, ME: Major Elective

Division of Chemical Engineering (Energy-Chemical Engineering Major)

Homepage: http://che.chonbuk.ac.kr

Phone: 82-(0)63-270-2431

The Department of Energy-Chemical Engineering aims to produce creative chemical engineers who will contribute to the development of new and renewable energy technologies and new chemical products and processes. The department offers a curriculum of energy engineering, environmental engineering, and process systems engineering as well as chemical engineering fundamentals.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Introduction to Chemical Engineering (3) Introduction to creative Engineering Capstone Design (3)
2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME	Physical Chemistry 1 (3) Organic Chemistry 1 (3) Fundamental Chemical Engineering Lab. (3) Introduction to New and Renewable Energy (3) Inorganic Chemistry (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Principles of Chemical Engineering Calculation (3) Physical Chemistry 2 (3) Organic Chemistry 2 (3) Analytical Chemistry (3) Fundamental Industrial Chemistry Lab. (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Chemical Engineering Thermodynamics 1 (3) Electrochemical Engineering (3) Chemical Engineering Lab. (3) Polymer Chemistry (3) Process Fluid Mechanics (3) Computer Applications in Chemical Engineering (3) Surface Chemical Engineering (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Chemical Reaction Engineering 1 (3) Heat and Mass Transfer (3) Chemical Engineering Thermodynamics 2 (3) Polymer Engineering (3) Biochemical Engineering (3) Industrial Chemistry Lab. (3) Process Control (3) Applied Instrumental Analysis (3) Energy Conversion Engineering (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Chemical Reaction Engineering 2 (3) Separation Processes (3) Capstone Design (3) Field Practice (1) Colloid and Surface Chemistry (3) Process Analysis and Design (3) Nanochemical Processe s(3) New and Renewable Energy Lab. (3) Solar Cell Science & Engineering (3) Environmental Energy Engineering (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Capstone Design (3) Optoelectronic Materials (3) Catalytic Chemistry and Engineering (3) Energy Policy (3) Chemical Process Safety Engineering (3) Chemical Materials Engineering (3) Energy Process Engineering (3)

MR: Major Required, ME: Major Elective

Department of Nanochemical Engineering (Division of Chemical Engineering)

Homepage: http://che.chonbuk.ac.kr

Phone: 82-(0)63-270-2431

The Department of Nanochemical Engineering aims to produce creative chemical engineers who will contribute to the development of various products and new technologies in the fields of nano materials, fine chemicals, polymers, and semiconductors. The department offers a curriculum of nano science, polymer science, and chemical technology as well as the fundamentals of chemical engineering.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Introduction to Chemical Engineering (3) Introduction to creative Engineering Capstone Design (3)
2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME	Physical Chemistry 1 (3) Organic Chemistry 1 (3) Fundamental Chemical Engineering Lab. (3) Introduction to New and Renewable Energy(3) Inorganic Chemistry(3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Principles of Chemical Engineering Calculation (3) Physical Chemistry 2 (3) Organic Chemistry 2 (3) Analytical Chemistry (3) Fundamental Industrial Chemistry Lab. (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Chemical Engineering Thermodynamics 1 (3) Electrochemical Engineering (3) Chemical Engineering Lab. (3) Polymer Chemistry (3) Process Fluid Mechanics (3) Computer Applications in Chemical Engineering (3) Surface Chemical Engineering (3) Transport Phenomena (3) Enzyme Engineering (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Chemical Reaction Engineering 1 (3) Applied Instrumental Analysis (3) Chemical Engineering Thermodynamics 2 (3) Polymer Engineering (3) Biochemical Engineering (3) Industrial Chemistry Lab. (3) Process Control (3) Semiconductor Chemical Engineering (3) Heat and Mass Transfer (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Chemical Reaction Engineering 2 (3) Separation Processes (3) Capstone Design (3) Field Practice (1) Colloid and Surface Chemistry (3) Process Analysis and Design (3) Nanochemical Processes (3) New and Renewable Energy Lab. (3) Solar Cell Science & Engineering (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Capstone Design (3) Optoelectronic Materials (3) Catalytic Chemistry and Engineering (3) Fine Chemistry Industry (3) Organic Materials (3) Fused Nanotechnology (3)

MR: Major Required, ME: Major Elective

Department of Civil Engineering

Homepage: http://civil.jbnu.ac.kr/ Phone: 82-(0)63-270-2420

The Department of Civil Engineering includes eight faculty members, over forty full-time graduates (30% in doctoral programs), nearly three hundred undergraduates and has the longest history within the College of Engineering. We have produced a large number of graduates, and they have assumed important roles in each field of society as engineers and administrators. Civil engineering is a segment of the engineering profession that strives to provide the basic needs of humanity. The civil engineer is involved with the physical environment through the planning, design, and construction of systems for the protection and use of water resources. Professional civil engineers are the people who devise and build the essential facilities on which we all depend and which form our basic infrastructures on Earth. Every dam, water treatment work, road, bridge, tunnel, port, airport and high-rise building is designed and built

by civil engineers, who also develop the required technology and manage the construction process from initial concept to final result.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Civil Engineering CAD (3)
		1-2-ME	Introduction to Creative Engineering Design (3)
2-1-MR	Civil Engineering Materials & Lab. (2)	2-2-ME	Structural Mechanics 1 (3)
2-1-ME	Applied Mechanics (3)	2-2-ME	Reinforced Concrete Engineering 1 (3)
2-1-ME	Surveying (3)	2-2-ME	Applied Surveying (3)
2-1-ME	Fluid Mechanics (3)	2-2-ME	Hydraulics 1 (3)
2-1-ME	Water Quality Engineering (3)	2-2-ME	Soil Mechanics 1 (3)
3-1-MR	Surveying Practice (2)	3-2-MR	Hydraulics Lab. (2)
3-1-ME	Structural Mechanics 2 (3)	3-2-MR	Water Quality Engineering Lab. (2)
3-1-ME	Structural Lab. (2)	3-2-MR	Soil lab. (2)
3-1-ME	Reinforced Concrete Engineering 2 (3)	3-2-MR	Field Practice 1 (1)
3-1-ME	Hydraulics 2 (3)	3-2-ME	Structural Engineering (3)
3-1-ME	Hydrology & Lab. (3)	3-2-ME	Pre-Stressed Concree Engineering (3)
3-1-ME	Water Supply Engineering (3)	3-2-ME	Digital Surveying (3)
3-1-ME	Soil Mechanics 2 (3)	3-2-ME	Water Resources Engineering (3)
3-1-ME	Introduction to Wind Power Energy (3)	3-2-ME	Wastewater Engineering (3)
		3-2-ME	Construction Engineering (3)
4-1-MR	Structural Design 1 (2)	4-2-ME	Ocean Structural Design (3)
4-1-ME	Design of Steel Structure (3)	4-2-ME	Design of Bridge (3)
4-1-ME	Reinforced Concrete Design (3)	4-2-ME	Design of Hydro Engineering 2 (3)
4-1-ME	Design of Hydro Engineering 1 (3)	4-2-ME	Maritime Hydrometeorology (3)
4-1-ME	Geo-Spatial Information Systems (3)	4-2-ME	Green Energy Rocks Engineering (3)
4-1-ME	Road Engineering (3)	4-2-ME	Traffic Engineering (2)
4-1-ME	Foundation Engineering (3)	4-2-ME	Civil Engineering Planning (3)
4-1-ME	Introduction to Ocean & Coastal Engineering (3)	4-2-ME	Creative Engineering Design (3)
4-1-ME	Construction Management & Estimation (3)		
4-1-ME	Creative Engineering Design (3)		
4-1-ME	Field Practice 2 (1)		

MR: Major Required, ME: Major Elective

Faculty

· Cho, Gi-sung, Ph.D.	Professor, Surveying & Photogrammetry, gscho@jbnu.ac.kr, 270-2429
· Kim, You-seong, Ph.D.	Professor, Geotechnical Engineering, yusung@jbnu.ac.kr, 270-2430
· Hwang, Gyu-nam, Ph.D.	Professor, Coastal Process & Hydro Engineering, khwang@jbnu.ac.kr, 270-2345
· Kwon, Soon-duck, Ph.D.	Professor, Structural Engineering, sdkwon@jbnu.ac.kr, 270-2289
· Kwon, Hyun-han, Ph.D.	Assistant Professor, Water Resource Engineering, hkwon@jbnu.ac.kr, 270-2426
· Park, Young-gi, Ph.D.	Professor, Water Supply and Wastewater Engineering, parkyk@jbnu.ac.kr, 270-4790
· Lee, Byung-suk, Ph.D	Professor, Rock Mechanical Engineering, leebs@jbnu.ac.kr, 270-4787

Division of Computer Science and Engineering

Homepage: http://cse.chonbuk.ac.kr Phone: 82-(0)63-270-3431, 4233

The Division of Computer Science and Engineering is concerned with one of the most essential engineering fields in the 21st century due to the nature of modern industrial operations becoming digitalized. The undergraduate program offers the study of both computer science and computer engineering leading to a B.S. degree. The undergraduate curriculum provides a general education in mathematics, science and humanities as well as an in depth study of information processing systems including the practical and theoretical aspects of hardware and software design. Students can also specialize their studies in the selected areas of internet technology, mobile technology, animation and multimedia, databases, cybernetics, artificial intelligence, computer networks and information security.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Creative Engineering Design (3)
		1-2-ME	Introduction to Computer Science and Engineering
			(3)
		1-2-ME	C++ Programming (3)
2-1-ME	Discrete Mathematics (3)	2-2-MR	Data Structures (3)
2-1-ME	JAVA Programming (3)	2-2-MR	Computer Architecture (3)
2-1-ME	Windows Programming (3)	2-2-ME	Linear Algebra (3)
		2-2-ME	Unix System Programming (3)
		2-2-ME	Program Structure and Interpretation (3)
3-1-MR	Operating System (3)	3-2-MR	Software Engineering (3)
3-1-MR	Algorithm (3)	3-2-ME	Database (3)
3-1-MR	Programming Language (3)	3-2-ME	Digital System Design (3)
3-1-ME	Data Communication (3)	3-2-ME	Mobile Programming (3)
3-1-ME	Microprocessor Application Design (3)	3-2-ME	Computer Graphics (3)
3-1-ME	Compiler (3)	3-2-ME	Computer Network (3)
3-1-ME	File Structures (3)	3-2-ME	Probability & Statistics (3)
4-1-ME	Software Development Project (3)	4-2-ME	Multimedia Applications (3)
4-1-ME	Numerical Analysis (3)	4-2-ME	Distributed System (3)
4-1-ME	Image Processing (3)	4-2-ME	Artificial Intelligence (3)
4-1-ME	Web Programming (3)	4-2-ME	Information Retrieval (3)
4-1-ME	Embedded Computing (3)	4-2-ME	Information Security (3)
		4-2-ME	Pattern Recognition (3)
		4-2-ME	Field Practice (1)

MR: Major Required, ME: Major Elective

Faculty

· Lee, Yong-seok, Ph.D. Professor, Machine Translation and Natural Language Processing, yslee@chonbuk.ac.kr, 270-3384 · Lee, Joon-whoan, Ph.D. Professor, Computer Vision and AI, chlee@chonbuk.ac.kr, 270-2406 · Kim, Yong-sung, Ph. D Professor, Computer Algorithm, yskim@chonbuk.ac.kr, 270-3387 · Yang, Jae-dong, Ph.D. Professor, Object-Oriented Database, jdyang2000@naver.com, 270-3388 · Lee, Hyo-jong, Ph.D. Professor, AI and Image Processing, hlee@chonbuk.ac.kr, 270-2407 · Oh, Il-seok, Ph.D. Professor, Computer Vision and Image Processing, isoh@chonbuk.ac.kr, 270-3401 · Gwun, Ou-bong, Ph.D. Professor, Computer Graphics, obgwun@chonbuk.ac.kr, 270-3402 · Park, Soon-cheol, Ph.D. Professor, Database, scpark@chonbuk.ac.kr, 270-2467 · Lee, Moon-kun, Ph.D. Professor, Real-Time Systems and Operating System, moonkun@chonbuk.ac.kr, 270-3404 · Cho, Gi-hwan, Ph.D. Professor, Distributed Processing and Computer Communications, ghcho@chonbuk.ac.kr, 270-3437 · Lee, Malrey, Ph. D. Professor, AI and Robotics, mrlee@chonbuk.ac.kr, 270-3993 · Lee, Kyung-soon, Ph.D. Associate Professor, Knowledge Mining/Information Retrieval, selfsolee@chonbuk.ac.kr, 270-4138 · Peon, Ki-hyun, Ph.D. Associate Professor, Next-Generation Internet and Mobile Communications Network, khpyun@chonbuk.ac.kr, 270-4139 · Kim, Jong-ik, Ph.D. Associate Professor, Database and XML, Flash Memory, jongik@chonbuk.ac.kr, 270-4634 · Kim, SungChan, Ph.D. Assistant Professor, Parallel computing/Embedded systems, sungchan kim@chonbuk ac kr, 270-2411

Division of Convergence Technology Engineering

Homepage: http://cte.jbnu.ac.kr Phone: 82-(0)63-270-4225

The Division of Convergence Technology Engineering was established at the CBNU College of Engineering in 2013 and consists of two majors: Automobile Convergence Technology Engineering and Information Technology Convergence Engineering.

Students studying Automobile Convergence Technology Engineering will be exposed to Automobile Structure; CAD/CAM and Practice; CATIA and Practice; and Capstone Design. Students majoring in Information Technology Convergence Engineering take courses such as Introductory ICT Convergence, Computer Architecture and Software Engineering.

The curriculum for the 1st~2nd graders is made up of general and elective courses undertaken at the Jeonju campus, while that of the 3rd~4th consists of major courses persued at the Gunsan Saemankeum Industrial-University Convergence Complex, where study is accompanied with practical experience.

Our department and faculty members offers students the in-depth knowledge of these areas of study as well as the access to academic recourses they need to become leaders in their fields.

(Automobile Convergence Technology Engineering Major)

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Capstone Design (3)
		1-2-ME	Engineering Mechanics (3)
2-1-MR	Solid Mechanics (3)	2-2-MR	Thermodynamics (3)
2-1-MR	Fluid Mechanics (3)	2-2-MR	Manufacturing Process and Practice (3)
2-1-ME	Dynamics (3)	2-2-ME	Automobile Structure (3)
2-1-ME	Introduction to Electricity and Electronic (3)	2-2-ME	Introduction to Tribology (3)
2-1-ME	CAD/CAM and Practice (3)		
3-1-MR	Automotive System Design (3)	3-2-ME	Field Practice 1 (18)
3-1-MR	Introduction to Project Lab. (3)	3-2-ME	Capstone Design 1 (3)
3-1-ME	Internal Combustion Engine (3)	3-2-ME	Basic Project Lab. 1 (3)
3-1-ME	Fluid Power Engineering (3)	3-2-ME	Automobile Materials 1 (3)
3-1-ME	Introduction to Renewable Energy (3)	3-2-ME	Measurement and Control Engineering 1 (3)
3-1-ME	Automotive Air Conditioning (3)	3-2-ME	Mechanical System and Component Design 1 (3)
3-1-ME	CATIA and Practice (3)	3-2-ME	CAE and Practice 1 (3)
4-1-ME	Field Practice 2 (18)	4-2-ME	Applied Project Lab. (3)
4-1-ME	Capstone Design 2 (3)	4-2-ME	Venture Techniques (3)
4-1-ME	Basic Project Lab. 2 (3)	4-2-ME	Noise and Vibration Engineering (3)
4-1-ME	Automobile Materials 2 (3)		
4-1-ME	Measurement and Control Engineering 2 (3)		
4-1-ME	Mechanical System and Component Design 2 (3)		
4-1-ME	CAE and Practice 2 (3)		

MR: Major Required, ME: Major Elective

(Information Technology Convergence Engineering Major)

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Capstone Design (3)
		1-2-ME	Engineering Mechanics (3)
2-1-MR	Introduction to Embedded System(3)	2-2-MR	Computer Architecture (3)
2-1-MR	Introduction to ICT Convergence (3)	2-2-MR	Data Communication (3)
2-1-ME	Discrete Mathematics (3)	2-2-ME	Data Structure (3)
2-1-ME	Introduction and Application of Multimedia (3)	2-2-ME	Linux Programming (3)
2-1-ME	Advanced Programming Language (3)		
3-1-MR	Operating System (3)	3-2-ME	Field Practice 1 (18)
3-1-MR	Embedded system, application and practice (3)	3-2-ME	Capstone Design 1 (3)
3-1-ME	Web Programming (3)	3-2-ME	Basic Project Lab. 1 (3)
3-1-ME	Database (3)	3-2-ME	Software Engineering 1 (3)
3-1-ME	Computer Network (3)	3-2-ME	Database System Design 1 (3)
3-1-ME	Design Pattern (3)	3-2-ME	Mobile Application Programming 1 (3)
3-1-ME	CATIA and Practice (3)	3-2-ME	System Software 1 (3)

4-1-ME	Field Practice 2 (18)	4-2-ME	Applied Project Lab. (3)
4-1-ME	Capstone Design 2 (3)	4-2-ME	Embedded Programming (3)
4-1-ME	Basic Project Lab. 2 (3)	4-2-ME	Information Security (3)
4-1-ME	Software Engineering 2 (3)		
4-1-ME	Database System Design 2 (3)		
4-1-ME	Mobile Application Programming 2 (3)		
4-1-ME	System Software 2 (3)		

MR: Major Required, ME: Major Elective

Faculty

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· So, Kyung-young, Ph.D. Professor, Software Engineering, kyso@jbnu.ac.kr, 270-4768

· Kim, Min-soo, Ph.D. Professor, Refrigeration and Air Conditioning, kimms@jbnu.ac.kr, 270-4764

Department of Electrical Engineering

Homepage: http://ee.chonbuk.ac.kr

Phone: 82-(0)63-270-2389

Electrical Engineering plays a major role in various engineering fields in modern society. It deals with both macroscopic and microscopic electromagnetic phenomena and gives a fundamental basis to neighboring engineering fields. The Department of Electrical Engineering is recognized for its excellence in research, instruction, and service to the profession. It ranks among the top electrical engineering departments in national surveys, consistently producing talented graduates whose skills are respected throughout the nation. Its distinguished faculty lead exciting research efforts that span both traditional and emerging areas in electrical engineering such as analog circuit design, superconductivity, control & measurement systems, optical communication, microwave, plasma application, power engineering, and power electronics & machine drives. Interdisciplinary research and educational programs are a major component of the activities in the department. In particular, the department puts an emphasis on such diverse fields as renewable energy sources and the sustainable aspects of modern industry. The department offers students a tremendous range of research and educational opportunities exploiting both technological and conceptual innovations in electrical engineering, with a goal of helping students to prepare for the dynamic world of industry.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Creative Engineering Design (3)
2-1-ME	Introduction to Renewable Energy (3)	2-2-ME	Electro-magnetism 2 (3)
2-1-ME 2-1-MR	Physical Electronics Engineering (3) Electro-magnetism 1 (3)	2-2-MR 2-2-MR	Electronic Circuits 1 (3) Circuit Theory 2 (3)
2 1 10110	Licetto Magnetism ((3)	Z Z WIIV	Circuit Meory 2 (3)

2-1-MR 2-1-ME	Electric Circuit Basic Design (3) Circuit Theory 1 (3)	2-2-ME 2-2-ME	Design Software Practice (3) Probability and Statistics (3)
3-1-ME 3-1-ME 3-1-MR 3-1-ME 3-1-ME 3-1-MR	Engineering of Semiconductor (3) Control Engineering (3) Electric Machinery 1 (3) Electronic Circuits 2 (3) Signals and Systems (3) Power System Engineering 1 (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	New and Renewable Energy Lab. (3) Control Systems Design (3) Electric Machinery 2 (3) High Voltage Engineering (3) Network Synthesis (3) Power system Engineering 2 (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Wind Power Generation (3) Micro Processor Applications (3) Power Electronics & Lab. (3) Electronic Measurements (3) Electric Applications & Lab. (3) Information & Communication Engineering (3) Numerical Analysis (3) Electric Capstone Design (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Electric & Electronic Materials (3) New & Renewable Energy Engineering (3) Electric Equipment & Design (3) Applied Plasma Engineering (3) Opto Electronics (3) Electromagnetic Field Application (3) Electric Capstone Design (3)

MR: Major Required, ME: Major Elective

Faculty

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· Choi, Seok-Woo, Ph.D. Professor, Analog IC design, swchoi@jbnu.ac.kr, 270-3698

· Kang, Yong-Cheol, Ph.D. Professor, Electric power systems, yckang@jbnu.ac.kr, 270-2391

· Yang, Sung-Chae, Ph.D. Associate Professor, High voltage engineering, yangsc@jbnu.ac.kr, 270-3991

· Suh, Yong-Sug, Ph.D. Associate Professor, Power electronics & machine drives, ysuh@jbnu.ac.kr,

270-3381

· Kook, Kyung-Soo, Ph.D. Assistant Professor, Smart Grid, kskook@jbnu.ac.kr, 270-2368

Division of Electronics Engineering

Homepage: http://eei.jbnu.ac.kr

Phone: 82-(0)63-270-2409, 2462, 2475, Fax: 82-(0)63-270-2394

There are 24 prominent faculty members with specialized research areas in the Division of Electronics Engineering. The Division offers 4 majors - Control & Robotics engineering, Nano-Electronic engineering Information & Communications engineering, and Information Technology Convergence engineering.

The division is leading the global development of technology via a world-class educational program for training specialists in the areas of semiconductors, IC design, IT-SoC, satellite and terrestrial mobile communications, GPS information processing, computer hardware interface, robotics & control, smart vehicle, home networking, and medical instruments.

In 2009, the division was selected as one of the leading departments in realizing a "convergence of research and education" program supported by Chonbuk National University. From 2010, the Division of Electronics Engineering was aknowledged as offering a solid education program in electronic engineering obtaining an accreditation approved by the ABEEK (Accreditation Board for Engineering Education of Korea), a member of the Washington Accord in the United States.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Creative Engineering Design (3)
2-1-MR	Circuit Theory 1 (3)	2-2-MR	Signal & System (3)
2-1-MR	Electromagnetics 1 (3)	2-2-ME	Electric & Electronics Lab. (3)
2-1-MR	Physical Electronics (3)	2-2-ME	Circuit Theory 2 (3)
2-1-ME	Linear Algebra (3)	2-2-ME	Electromagnetics 2 (3)
2-1-ME	Data Architecture (3)	2-2-ME	Electronic Circuit 1 (3)
		2-2-ME	Computer Architecture (3)
3-1-MR	Electronic Circuit Lab. (3)	3-2-ME	Digital Signal Processing (3)
3-1-ME	Electronic Circuit 2 (3)	3-2-ME	Digital Communication System (3)
3-1-ME	Probability & Statistics (3)	3-2-ME	Embedded System (3)
3-1-ME	Microprocessor & Lab (3)	3-2-ME	Microwave Engineering (3)
3-1-ME	Analog communication & Lab (3)	3-2-ME	Computer Network (3)
3-1-ME	Control Engineering 1 (3)	3-2-ME	Digital System Design (3)
3-1-ME	Data Communication (3)	3-2-ME	Control Engineering 2 & Lab. (3)
3-1-ME	Nano Electronic Devices (3)	3-2-ME	Sensor and Instrumentation Engineering (3)
3-1-ME	Mechatronics (3)	3-2-ME	IT Convergence in Medical Engineering (3)
3-1-ME	Communication Theory & Lab (3)		
3-1-ME	Biosensor (3)		
4-1-ME	Electronic Capstone Design (3)	4-2-ME	Electronic Capstone Design (3)
4-1-ME	Electronic Engineering Seminar (3)	4-2-ME	Integrated Circuit Design2 (3)
4-1-ME	Operating System (3)	4-2-ME	Algorithm (3)
4-1-ME	Power Electronic Engineering (3)	4-2-ME	Introduction to Wireless Communications (3)
4-1-ME	Image Processing (3)	4-2-ME	Robot Vision (3)
4-1-ME	Microwave Circuit Design (3)	4-2-ME	RF Application System (3)
4-1-ME	Integrated Circuit Design1 (3)	4-2-ME	Field Practice (3)
4-1-ME	Optoelectronics (3)		
4-1-ME	Robotics (3)		
4-1-ME	Information Theory (3)		
4-1-ME	Medical Instrumentation (3)		
4-1-ME	Signal Processing Application and Lab (3)		

MR: Major Required, ME: Major Elective

Faculty

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Professor, Channel Coding Theory, ssong@jbnu.ac.kr, 270-2403
Baik, Heung-ki, Ph.D.
Professor, Communications and Digital Signal Processing,

hkbaik@jbnu.ac.kr, 270-2404

· Ham, Woon-chul, Ph.D. Professor, Control Theory & Embedded System, wcham@jbnu.ac.kr, 270-2405

· Park, Dong-sun, Ph.D.	Professor, Multimedia Communication, Pattern Recognition, dspark@jbnu.ac.kr, 270-2465
· Jeong, Hang-geun, Ph.D.	Professor, IC Design, hgjeong@jbnu.ac.kr, 270-2464
· Kim, Hyongsuk, Ph.D.	Professor, Neural Networks/Robot Vision, hskim@jbnu.ac.kr, 270-2477
· Choi, Jaeho, Ph.D.	Professor, MachineVision, MediaCommunication, wave@jbnu.ac.kr, 270-2415
· Chung, Jin-gyun, Ph.D.	Professor, VLSI Signal Processing, jgchung@jbnu.ac.kr, 270-2466
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· Lim, Myoung-seob, Ph.D.	Professor, CDMA/OFDM Digital Mobile Communication, mslim@jbnu.ac.kr, 270-2479
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· Song, Min-ho, Ph.D.	Professor, Optical Engineering, msong@jbnu.ac.kr, 270-4285
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· Son, Hae-won, Ph.D.	Associate Professor, Microwave Engineering, RF System Design, hwson@jbnu.ac.kr, 270-2399
· Park, Jae-byung, Ph.D.	Associate Professor, Robotics & Intelligent System, jbpark@jbnu.ac.kr, 270-4283
· Kim, Jung-Mu, Ph.D.	Associate Professor, MEMS (Micro electromechanical Systems), jungmukim@jbnu.ac.kr, 270-3382
· Choi, Woo-young, Ph.D.	Assistant Professor, Power Semi-conductor & Power Electronic & New-recycled Energy, wychoi@jbnu.ac.kr, 270-4218
· Lee, Ji-Hoon, Ph.D.	Assistant Professor, Display Engineering and Electronic Materials,

Department of Environmental Engineering

jihoonlee@jbnu.ac.kr, 270-2476

Homepage: http://envi.chonbuk.ac.kr

Phone: 82-(0)63-270-2441

The Department of Environmental Engineering is committed to improving human health, well-being and the management of environmental resources by conducting instruction and research on water and waste treatment technology, and clean air technology. The objective of this major is to educate tomorrow's leaders, who will develop and communicate new knowledge that will help to solve environmental problems.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies		General Studies
2-1-MR	Introduction to Air Environment & Lab. (3)	2-2-MR	Micro Meteorology (3)
2-1-ME	Environmental Chemistry. (3)	2-2-MR	Waste Engineering 1 (3)
2-1-ME	Environmental Ecology (3)	2-2-MR	Instrumental analysis & Lab (3)
2-1-ME	Introduction to Water Environment & Lab (3)	2-2-ME	Physical Chemistry Water Treatment Engineering (3)
		2-2-ME	Fluid Mechanics (3)
		2-2-ME	Environmental Reaction Engineering (3)
3-1-MR	Biological water Treatment engineering (3)	3-2-ME	Wastewater Treatment System Design System (3)
3-1-ME	Combustion Engineering (3)	3-2-ME	Water Supply & Sewage Engineering (3)
3-1-ME	Air Quality Management (3)	3-2-ME	Air Pollution Control Engineering (3)
3-1-ME	Waste Engineering II (3)	3-2-ME	Environmental Numerical Analysis (3)
3-1-ME	Environmental Toxicology (3)	3-2-ME	Remediation Engineering (3)
3-1-ME	Soil and Groundwater Environment (3)	3-2-ME	Teaching Methods & Materials of Engineering (3)
3-1-ME	Environmental CAD Design (1)	3-2-ME	Field Practice(Environmental) (1)
3-1-ME	Introduction Theories of Engineering (3)		
4-1-ME	Water Quality Management (3)	4-2-ME	Pollutant Analysis (3)
4-1-ME	Advanced Wastewater Treatment (3)	4-2-ME	Environmental Impact Assessment (3)
4-1-ME	Hazardous Waste Management (3)	4-2-ME	Noise & Vibration Control Engineering (3)
4-1-ME	Risk Assessment (3)	4-2-ME	Environmental Engineering Seminar (1)
4-1-ME	Air Diffusion & Modeling (3)	4-2-ME	Air Pollution Control Design (3)
4-1-ME	Capstone Design (3)	4-2-ME	Environmental Laws (3)
		l .	

MR: Major Required, ME: Major Elective

Faculty

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· Lee, Young-dong, Ph.D.	Professor, Waste Recycling & Environmental System Engineering, elyd@jbnu.ac.kr, 270-2445
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· Kim, Jong-guk, Ph.D.	Professor, Environmental Management, kjongguk@jbnu.ac.kr, 270-2448
· Baek, Ki-tae, Ph.D.	Assistant Professor, Soil and groundwater, kbaek@jbnu.ac.kr, 270-2437

Department of Industrial and Information Systems Engineering

Homepage: http://ise.chonbuk.ac.kr

Phone: 82-(0)63-270-2327

Industrial and Information Systems Engineering (IISE) is a discipline concerned with the design,

improvement, and installation of integrated systems of people, materials, information, equipment, and energy. It draws upon specialized knowledge and skills in mathematics, physical information, and social science, together with the principles and methods of engineering analysis and design to predict and evaluate obtained results. Thus, the field of IISE covers a broad spectrum of technical activities including the classical techniques of work methods, production and facilities planning, operational research, human factors, and quality control, etc. Recently, it has also embraced the areas of manufacturing systems, organization and management systems, and information systems.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
		1-2-ME	Introduction to Capstone Design (3)
2-1-MR	Engineering Statistics (3)	2-2-MR	Management Science 1 (3)
2-1-ME	Linear Algebra (3)	2-2-MR	Manufacturing Engineering and Practice (3)
2-1-ME	Advanced Excel (3)	2-2-ME	Statistical Data Analysis (3)
2-1-ME	Engineering Economy (3)	2-2-ME	Data Structure (3)
2-1-ME	Process Analysis and Improvement (3)	2-2-ME	Internet Programming (3)
3-1-MR	Production Operations Management (3)	3-2-ME	Service System Engineering (3)
3-1-MR	Statistical Quality Control (3)	3-2-ME	Reliability Engineering (3)
3-1-ME	Management Science 2 (3)	3-2-ME	Experimental Design & Analysis (3)
3-1-ME	Information System Design (3)	3-2-ME	Enterprise Resource Planning (3)
3-1-ME	CAD (3)	3-2-ME	Production Operations Management Case Study (3)
3-1-ME	Computer Simulation (3)	3-2-ME	CAM/PLM (3)
3-1-ME	Data Base Design (3)		
4-1-MR	CreativeCapstone Design (3)	4-2-MR	CreativeCapstone Design (3)
4-1-ME	Technology and Management (3)	4-2-ME	Decision Analysis & Practice (3)
4-1-ME	Toyota Production System (3)	4-2-ME	Introduction to Information & Telecommunication (3)
4-1-ME	6 Sigma (3)	4-2-ME	Supply Chain Management (3)
4-1-ME	Customer Relationship Management (3)	4-2-ME	Project Management (3)
4-1-ME	Electronic Commerce (3)	4-2-ME	Engineering Accounting (3)

MR: Major Required, ME: Major Elective

Faculty

· Kim, Dong-Won, Ph.D.	Professor, Intelligent Manufacturing System, Manufacturing Information System, Technology Management, dwkim@jbnu.ac.kr, 270-2328
· Jeong, Byung-Ho, Ph.D.	Professor, Decision Analysis, Service Engineering, Toyota Production System, jeong@jbnu.ac.kr, 270-2329
· Hong, Sung-Hoon, Ph.D.	Professor, Six Sigma, Quality Management, shhong@jbnu.ac.kr, 270-2331
· Baek, Jang-Hyun, Ph.D.	Professor, Management Science, jbaek@jbnu.ac.kr, 270-2330
· Ha, Jae-Won, Ph.D.	Assistant Professor, Production Operations Management/Logistics Management, jwha@jbnu.ac.kr, 270-2334
· Bae, Joon-Soo, Ph.D.	Associate Professor, Management Information System, Electronic Commerce, jsbae@jbnu.ac.kr, 270-2332
· Yang, Jae-Kyung, Ph.D.	Associate Professor, Business Information System, Data Mining, jyang@jbnu.ac,kr, 270-4219

Department of Information Technology

Homepage: http://it.jbnu.ac.kr Phone: 82-(0)63-270-2410

The Department of Information Technology aims to educate highly qualified and skilled industrial engineers in the field of integrated IT, so that mankind can lead more pleasant, convenient, and improved lives. The graduates can work in a diverse range of industries such as games and mobile development, hardware/software development, telecommunication system, digital broadcasting system, online contents development and IT Convergence Research institutes, etc.

Our departmental curriculum covers all topics related to design, implementation, and application of both hardware and software computer systems. We conform KCC 2010 standards for objective evaluation of engineering education quality. Courses provide knowledge of theories, key concepts, and programming skills for diverse environments through class projects, group seminars, and the internship programs with industrial companies.

Currently our department is funded by the MSIP (Ministry of Science, ICT and Future Planning); namely 'The Seoul Accord (the accreditation of engineering education for computer and information technology) Activation Project', which is the IT education innovation project. Through this program, the students can get unparalleled financial and educational opportunities.

Year	Course (Credit)	Year	Course (Credit)
	General Studies		General Studies
2-1 MR	Data Structure	2-2 MR	Computer Architecture
2-1 ME	Electric & Electronics Lab.	2-2 ME	File Structures
2-1 ME	Discrete Mathematics	2-2 ME	Probability and Statistics
2-1 ME	C++ Programming	2-2 ME	Linear Algebra
2-1 ME	Introduction to Creative IT Engineering Design	2-2 ME	Logic Circuit Design and Lab.
		2-2 ME	Assembly Programming
		2-2 ME	Academic-Industrial Project 1
3-1 MR	Computer Algorithm	3-2 MR	Software Engineering
3-1 MR	Operating System	3-2 MR	Computer Network
3-1 ME	Object-oriented Programming Design	3-2 ME	Programming Language
3-1 ME	Microprocessor and Lab.	3-2 ME	Numerical Analysis
3-1 ME	Data Communication	3-2 ME	Database
3-1 ME	Unix System Application Project	3-2 ME	Computer Architecture Design
		3-2 ME	Academic-Industrial Project 2
4-1 ME	Self-study	4-1 ME	Information Theory
4-1 ME	Compiler	4-2 ME	Multimedia System

4-1 ME 4-1 ME 4-1 ME	Graphics Computer Security Embedded System and Lab.	4-2 ME 4-2 ME 4-2 ME	Mobile Programming Graduate Project 2 Artificial Intelligence
4-1 ME 4-1 ME	Graduate Project 1 Academic-Industrial Project 3	4-2 ME	Special Topics in Information Technology

Faculty

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Department of Infrastructure Civil Engineering

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Infrastructure Civil Engineering is a field broader than the other engineering disciplines. Civil engineers build civil infrastructure: buildings, bridges, airports, tunnels, roads, dam, etc. They are also concerned with the foundations of these structures, and this requires knowledge of the mechanics of the soil beneath them. Civil engineers also solve problems related to water supply, waste treatment and the design and construction of ports and harbors. Infrastructure Civil Engineering graduates have a wide variety of professional options available to them. Some enter the practice of civil engineering, working for engineering firms or starting their own businesses; others work for city or county governmental organizations as city or county engineers. Still others pursue Masters or Ph.D. degrees, which lead either to academic positions or higher level jobs within the private sector.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Creative Engineering Design Primer (3)

2-1-MR 2-1-MR 2-1-MR 2-1-ME	Basic Soil Mechanics (3) Basics Applied Mechanics (3) Basics Surveying (3) Fluid Mechanics (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME	Hydraulics 1 (3) Advanced Soil Mechanics (3) Structural Engineering 1 (3) General Surveying (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Reinforced Concrete Engineering 1 (3) Hydraulics 2 (3) Soil & Foundation Lab (3) Construction Materials & Lab Structural Engineering 2 (3) Basics Surveying Practice (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Water Supply & Sewerage Engineering 1 (3) Hydrology System Engineering 1 (3) Construction Foundation Engineering (3) Reinforced Concrete Engineering 2 (3) Design of Steel Structures (3) Water Quality Engineering & Lab (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Hydrology System Engineering 2 (3) Water Supply & Sewerage Engineering 2 (3) Coastal and Harbor Engineering (3) Pre-Stressed Concrete Structural Engineering (3) Construction Engineering (3) Computational Structural Analysis (3) Design of Hydraulic Engineering (3) Bridge Engineering (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Ground-water Engineering (3) River Engineering (3) Design of Construction Structures (3) Design of Earth Structures (3) Road Engineering and Design (3) Construction CAD

Faculty

· Lee, Jang-choon, Ph.D. Professor, Water Resources Engineering, ljc@chonbuk.ac.kr, 270-4786

· Lee, Jin-hyu, Ph.D. Professor, Structural Engineering, jinhyu@chonbuk.ac.kr, 270-4789

Department of IT Applied System Engineering

Homepage: http://www.itase.jbnu.ac.kr

Phone: 82-(0)63-270-4773

The Department of IT Applied System Engineering allows students to acquire the basic knowledge in their major study such as electricity, electronics, and communications as well as the newest application technologies. Focusing on the connectivity between major studies, it also provides a systemized design education along with practical experience.

The educational purposes of the department are focussed on producing the best technicians and engineers who have experience in cutting-edge IT convergence technologies, can actively respond to the technology, and will pursue a creative and promising life with visions for the future. We achieve this by enabling our students to learn the theoretical backgrounds and providing them with practical experience in a variety of technologies including IT converged technology.

The Department of IT Applied System Engineering cultivates the professional technicians needed for the development of application technology in industry, specialized in areas of combined fields of IT and bio technology (BT), nano technology (NT), or energy technology (ET). By cultivating students as professional technicians of IT convergence and providing knowledge of electronic, communication, and information technology, the department aims for a 100% employment rate amongst graduates.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Creative Engineering Design (3)
2-1-MR	New & Renewable Energy Engineering (3)	2-2-MR	Analog & Digital Communication 1 (3)
2-1-MR	Electromagnetics 1 (3)	2-2-ME	Introduction to F.A. System (3)
2-1-MR	Circuit Theory 1 (3)	2-2-ME	Electromagnetics 2 (3)
2-1-ME	Digital Engineering Theory & Lab. (3)	2-2-ME	Electric & Electronic Basic Lab. (3)
2-1-ME	Introduction to Electric & Electronic Eng. (3)	2-2-ME	Circuit Theory 2 (3)
2-1-ME	Information Communication Engineering (3)		
3-1-MR	Electric Machinery 1 (3)	3-2-MR	Field Practice (1)
3-1-MR	Automatic Control Engineering 1 (3)	3-2-ME	Electric Machinery 2 (3)
3-1-ME	Analog & Digital Communication 2 (3)	3-2-ME	Electronic Circuit Theory & Lab (3)
3-1-ME	Electronic Circuit (3)	3-2-ME	Electronic System Design (3)
3-1-ME	Microwave Engineering (3)	3-2-ME	Automatic Control Engineering 2 (3)
3-1-ME	Communication System Network & Lab. (3)	3-2-ME	Illumination Engineering (3)
		3-2-ME	IT Applied Engineering (3)
4-1-ME	Ubiquitous (3)	4-2-ME	Microprocessor (3)
4-1-ME	Electric & Electronic Applied System & Lab (3)	4-2-ME	Multimedia System (3)
4-1-ME	Power Line Communication Engineering (3)	4-2-ME	Sensor Engineering (3)
4-1-ME	Mixed-mode Integrated Circuit Design & Lab (3)	4-2-ME	Power System Engineering (3)
4-1-ME	LED Applied Engineering & Lab (3)	4-2-ME	DSP Application & Lab (3)
4-1-ME	Creative Engineering Design (3)	4-2-ME	IT Convergence System Design (3)
		4-2-ME	Creative Engineering Design (3)

MR: Major Required, ME: Major Elective

Faculty

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· Ryu, In-ho, Ph.D.	Professor, Factory Automation and Control Engineering, toto00@jbnu.ac.kr, $270\text{-}4775$
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· Bang, Jun-ho, Ph.D.	Professor, Circuits and Control Laboratory, jhbang@jbnu.ac.kr, 270-4543
· Kim, Song-min, Ph.D.	Professor, Communication and Circuit System Laboratory, kimsm@jbnu.ac.kr, 270-4780
· Kim, Hyeong-jin, Ph.D.	Associate Professor, Multimedia Communication System, kim@jbnu.ac.kr, 270-4783

Department of Mechanical Engineering

Homepage: http://me.jbnu.ac.kr Phone: 82-(0)63-270-2316

The Department of Mechanical Engineering provides four years of intensive professional training in areas such as fundamental mechanics, general mechanical systems, machine design, measurement and control, manufacturing process, fluidics and turbo machinery, MEMS, energy transform and management, structural analysis, CAD/CAM and noise and vibration. It especially focuses on computer based mechanical engineering teaching systems that are well-equipped to offer professional knowledge to students. In addition, it also provides Creative Engineering Design courses, which help students to acquire relevant practical mechanical engineering experiences. After successful completion of the program, students become capable mechanical engineers and can work for automotive, heavy machinery, aerospace, chemical, electronics, and electric power industries and government.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-ME	Fundamental Engineering Design (3)	1-2-ME	Computer Aided Drawing (3)
		1-2-ME	Statics (3)
2-1-MR	Thermodynamics1 (3)	2-2-MR	Fluid Mechanics1 (3)
2-1-MR	Solid Mechanics1 (3)	2-2-MR	Manufacturing Process (3)
2-1-ME	Digital Engineering & Practice (3)	2-2-ME	Thermodynamics 2 (3)
2-1-ME	Dynamics (3)	2-2-ME	Solid Mechanics 2 (3)
2-1-ME	Mechanical Materials (3)	2-2-ME	Numerical Analysis Method (3)
3-1-MR	Mechanical engineering Lab. (1)	3-2-ME	Combustion Engineering (3)
3-1-MR	Manufacturing Process Practice (2)	3-2-ME	Heat Transfer (3)
3-1-MR	Design of Machine Elements 1 (3)	3-2-ME	Design of Machine Elements 2 (3)
3-1-ME	Fluid Mechanics 2 (3)	3-2-ME	Mechanical Vibrations (3)
3-1-ME	Mechanical Measurement & Lab. (3)	3-2-ME	Mechatronics & Practice (3)
3-1-ME	Internal Combustion Engine & Disign (3)	3-2-ME	Computer Aided Manufacturing& Practice (3)
3-1-ME	CAD Application & Practice (3)		
4-1-ME	Field Practice (1)	4-2-ME	Alternative Energy (3)
4-1-ME	Automobile Engineering (3)	4-2-ME	Hydrant-Pneumatics Engineering (3)
4-1-ME	Turbomachinery (3)	4-2-ME	Production Automation (3)
4-1-ME	Finite Element Method (3)	4-2-ME	Precision Machining (3)
4-1-ME	Machine Tool (3)	4-2-ME	Microelectro-mechanical System Process (3)
4-1-ME	Refrigeration · Air Conditioning (3)	4-2-ME	Automatic Control & Lab. (3)
4-1-ME	Noise Engineering (3)	4-2-ME	Capstone Disign (3)
4-1-ME	Capstone Disign (3)		

MR: Major Required, ME: Major Elective

Faculty

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Division of Mechanical Design Engineering (Mechanical Design Engineering Major)

Homepage: http://mdesign.chonbuk.ac.kr

Phone: 82-(0)63-270-2452

Homepage: http://mdesign.jbnu.ac.kr

Phone: 82-(0)63-270-2452

The department has produced capable engineers who have profound knowledge of both design and manufacturing, and who are able to perform creatively. Our department is committed to the expansion of our role as a important research major that fosters a tradition of excellence in mechanical design engineering education and continues to invest in the mechanical design engineering field; reflecting the fields rapid technological advancement. Through collaborations between industry and university, we are striving to provide the highest quality education and produce talented graduates.

Year	Course (Credit)	Year	Course (Credit)
1-1		1-2-ME	Statics (3)
2-1-MR 2-1-MR 2-1-MR 2-1-ME 2-1-ME	Solid Mechanics 1 & Exercise (3) Fluid Dynamics (3) Manufacturing Process & Practice (3) Introduction to Engineering Design (3) Dynamics (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Thermodynamics (3) Applied Fluid Dynamics (3) Computer Aided Drafting (3) Electric · Electronic Circuits & Lab. (3) Solid Mechanics 2 & Exercise (3) Mechanical Materials & Lab. (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME	Control Engineering (3) Internal Combustion Engine (3) CAD & Practice (3) Machining & Practice (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME	Mechanical component Design & Practice (3) Mechanical Measurement & Lab. (3) CAD Application & Practice (3) Automotive Engineering (3)

3-1-ME	Applied Thermodynamicse (3)	3-2-ME	Design of Thermal System (3)
3-1-ME	Heat Transfer & Lab. (3)	3-2-ME	Noise & Vibration Engineering (3)
3-1-ME	Mechanism Design & Practice (3)	3-2-ME	PlantManufacturing Engineering & Pratice (3)
3-1-ME	Plant Welding Bonding Design (3)	3-2-ME	Plant Equipment Design
4-1-ME	Capston Design (3)	4-2-ME	Capstone Design (3)
4-1-ME	Mechatronics & Design (3)	4-2-ME	Combution Engineering (3)
4-1-ME	Bio-Fluid Mechanics (3)	4-2-ME	Mold Design &Pratice (3)
4-1-ME	Numerical Analysis (3)	4-2-ME	Bio Engineering (3)
4-1-ME	Machine Safety Engineering (3)	4-2-ME	Renewable Energy System (3)
4-1-ME	Automobile Parts Design (3)	4-2-ME	Fluid Power Engineering (3)
4-1-ME	Strength of Materials & Lab. (3)	4-2-ME	ASME CODE Understanding and Application (3)
4-1-ME	Refrigeration·Air Conditioning & Design (3)		
4-1-ME	Field Pratice (1)		

MR: Major Required, ME: Major Elective, MSC: Mathematics Science Computer

(Nano-Bio Mechanical System Engineering Major)

Homepage: http://Mdesign.jbnu.ac.kr

Phone: 82-(0)63-270-2339

The department covers the very important field of combined BT and NT that offers to bring a significant effect on the economy by influencing changing patterns of disease caused by social, economical and cultural differences. It can do so through the changing of the medical service paradigm; changes to medical techniques and changes of development of medications.

The combination of BT and NT is the basic engineering technique that should required by the nation in diagnosing and curing diseases through a balanced approach.

Through use of nanosemiconductor sensors, nanopatterns of bioactive materials and medical nanocontrol systems, Nan-Bio Mechanical Systems Engineering in Korea can broaden its fields of study and research in order to expand the international market.

Year	Course (Credit)	Year	Course (Credit)
1-1		1-2-ME	Engineering Mechanics (3)
2-1-MR 2-1-MR 2-1-MR 2-1-ME 2-1-ME	Introduction to Bioengineering (3) Solid Mechanics (3) Fluid Dynamics (3) Bioengineering English (3) Understanding of Life Science (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Electric&Electronics Engineering (3) Introduction to Nanoengineering (3) Biomechanics (3) Applied Fluid Mechanics (3) Introduction to Material Science & Lab. (3) Thermodynamics (3)

3-1-MR	Introduction to Biosystem (3)	3-2-ME	Capstone Design 1 (3)
3-1-MR	Biomaterial Science & Lab. (3)	3-2-ME	Biomeasurement & Lab. (3)
3-1-ME	Fundamentals of Control Engineering (3)	3-2-ME	Meachining & Practice
3-1-ME	Computer Aided Design & Practice (3)	3-2-ME	Biomass Transfer (3)
3-1-ME	Biophysics (3)	3-2-ME	Biomimetics (3)
3-1-ME	Manufacturing Process & Pratice (3)	3-2-ME	Implant Design & Pratice (3)
4-1-ME	Capstone Design 2 (3)	4-2-ME	Nanobio Enginerring Seminar (3)
4-1-ME	MEMS (3)	4-2-ME	Bioinstrument Design & Practice (3)
4-1-ME	Eco-automotive Enginerring (3)	4-2-ME	Surface Engineering (3)
4-1-ME	Hemorheology	4-2-ME	Bioinstrument Quality System (3)
4-1-ME	Heat Transfer (3)	4-2-ME	Biosensor (3)
4-1-ME	Design of Micro Thermal-Fluid System (3)	4-2-ME	Fluid Power System (3)

MR: Major Required, ME: Major Elective, MS: Mathematics Science Computer

• Faculty

· Kang, Shin-jae, Ph.D.	Professor, Atomization and Design of Propulsion System, kangsj@jbnu.ac.kr, 270-2387
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Division of Mechanical System Engineering

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Phone: 82-(0)63-270-2367

The main goal of this department is to provide students with knowledge of the modern high-technology developments in mechanical engineering. Modern engineering education and practice are breaking their own barriers and putting more emphasis on interdisciplinary programs. Mechanical engineering students in this department will be exposed to Mechatronics, Electronics, Computer Technology, Artificial Intelligence, Sensor Fusion, and MEMS(Micro Electro Mechanical System.)

(Application Mechanical Engineering Major)

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Engineering Mechanics (3)
		1-2-ME	Computer Application Drawing & Design (1)
		1-2-ME	Introduction to Engineering Design (3)
2-1-MR	Fluid Mechanics 1 (3)	2-2-M	Manufacturing Process 1 & Practice (3)
2-1-MR	Thermodynamics 1 & Exercise (3)	2-2-ME	Fluid Mechanics 2 & Exercise (3)
2-1-MR	Solid Mechanics 1 (3)	2-2-ME	Thermodynamics 2 (3)
2-1-ME	Introduction to Electrical and Electronic	2-2-ME	Mechanical Measurements & Lab (3)
	Engineering (3)	2-2-ME	Solid Mechanics 2 & Exercise (3)
2-1-ME	Machines System & Lab (3)	2-2-ME	CAD application System Design (2)
		2-2-ME	Dynamics (3)
3-1-M	Mechanical Design 1 & Practice (3)	3-2-M	Creative System Design (3)
3-1-M	Control Engineering & Lab (3)	3-2-ME	Machine Tool & Lab (3)
3-1-ME	Fluid Process Design & Lab (2)	3-2-ME	Fluid Machinery & Lab (3)
3-1-ME	Manufacturing Process 2 & Practice (3)	3-2-ME	Heat Transfer & Lab (3)
3-1-ME	Mechanical Vibrations (3)	3-2-ME	Mechanical Design 2 & Practice (3)
3-1-ME	Combustion & Air Pollution (2)	3-2-ME	Internal Combustion Engine & Lab (3)
3-1-ME	Mechanical Materials & Lab (3)	3-2-ME	CAE Application Design (3)
3-1-ME	Numerical Analysis (3)	3-2-ME	Robotics & Lab (3)
3-1-ME	Wind Power Experiment (3)	3-2-ME	Renewable Energy Experiment (3)
3-1-ME	Introduction to Renewable Energy (3)		
4-1-M	Field Practice 1 (1)	4-2-ME	Aerodynamics(2)
4-1-ME	Oil Hydraulics & Lab (3)	4-2-ME	Lubrication Engineering & Lab (3)
4-1-ME	Automotive Engineering & Lab (2)	4-2-ME	Dynamics of Machines System (3)
4-1-ME	Manufacturing Automation & Lab (3)	4-2-ME	Air Conditioning System & Lab (3)
4-1-ME	Engineering & Management System (3)	4-2-ME	Micro Electro Mechanical Systems (3)
4-1-ME	Mechanical Behavior of Materials (2)	4-2-ME	Welding System Engineering (3)
4-1-ME	Computer application Machining System &		
	Practice (3)		
4-1-ME	Precision Machining System (3)		
4-1-ME	Wind Power System Design (3)		

MR: Major Required, ME: Major Elective

(Precision Mechanical Engineering Major)

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Engineering Mechanics (3)
		1-2-ME	Computer Application Drawing & Design (1)
		1-2-ME	Introduction to Engineering Design (3)
2-1-MR	Fluid Mechanics 1 (3)	2-2-M	Manufacturing Process 1 & Practice (3)
2-1-MR	Thermodynamics 1 & Exercise (3)	2-2-ME	Fluid Mechanics 2 & Exercise (3)
2-1-MR	Solid Mechanics 1 (3)	2-2-ME	Thermodynamics 2 (3)
2-1-ME	Introduction to Electrical and Electronic	2-2-ME	Mechanical Measurements & Lab (3)
	Engineering (3)	2-2-ME	Solid Mechanics 2 & Exercise (3)
2-1-ME	Machines System & Lab (3)	2-2-ME	CAD application System Design (2)
		2-2-ME	Dynamics (3)
3-1-M	Mechanical Design 1 & Practice (3)	3-2-M	Creative System Design (3)
3-1-M	Control Engineering & Lab (3)	3-2-ME	Machine Tool & Lab (3)
3-1-ME	Fluid Process Design & Lab (2)	3-2-ME	Fluid Machinery & Lab (3)
3-1-ME	Manufacturing Process 2 & Practice (3)	3-2-ME	Heat Transfer & Lab (3)
3-1-ME	Mechanical Vibrations (3)	3-2-ME	Mechanical Design 2 & Practice (3)
3-1-ME	Combustion & Air Pollution (2)	3-2-ME	Internal Combustion Engine & Lab (3)
3-1-ME	Mechanical Materials & Lab (3)	3-2-ME	CAE Application Design (3)
3-1-ME	Numerical Analysis (3)	3-2-ME	Robotics & Lab (3)
3-1-ME	Wind Power Experiment (3)	3-2-ME	Renewable Energy Experiment (3)
3-1-ME	Introduction to Renewable Energy (3)		
4-1-M	Field Practice 1 (1)	4-2-ME	Aerodynamics (2)
4-1-ME	Oil Hydraulics & Lab (3)	4-2-ME	Lubrication Engineering & Lab (3)
4-1-ME	Automotive Engineering & Lab (2)	4-2-ME	Dynamics of Machines System (3)
4-1-ME	Manufacturing Automation & Lab (3)	4-2-ME	Air Conditioning System & Lab (3)
4-1-ME	Engineering & Management System (3)	4-2-ME	Micro Electro Mechanical Systems (3)
4-1-ME	Mechanical Behavior of Materials (2)	4-2-ME	Welding System Engineering (3)
4-1-ME	Computer application Machining System & Practice (3)		
4-1-ME	Precision Machining System (3)		
4-1-ME	Wind Power System Design (3)		

MR: Major Required, ME: Major Elective

Faculty

· Kim, Tae-young, Ph.D.	Professor, Machining Processes, Machine Tools, kimty@jbnu.ac.kr, 270-2371
· Jung, Jae-youn, Ph.D.	Professor, Production Mechanical Engineering, jungjy@jbnu.ac.kr, 270-2372
· Baek, Byung-joon, Ph.D.	Professor, Thermal Engineering, baekbj@jbnu.ac.kr, 270-2373
· Hong, Dong-pyo, Ph.D.	Professor, Noise & Vibration Control, hongdp@jbnu.ac.kr, 270-2374
· Yang, Sung-mo, Ph.D.	Professor, Strength Design, yangsm@jbnu.ac.kr, 270-2375
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Department of Mineral Resources and Energy Engineering

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Phone: 82-(0)63-270-2358

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· Yu, Hyo-sun, Ph.D.

· Lee, Jee-keun, Ph.D.

The Department of Mineral Resources and Energy Engineering, established in 1951 then as the Department of Mining and Treatment Engineering, is concerned with the development, supply and utilization of mineral resources, natural energy and alternative energy sources which are the fundamentals of industrial development. It is involved with the extensive prospecting and development of mineral resources and natural energy, and the separation and treatment of mineral resources that are the foundations of civil society and industry; the natural resources in the earth, ocean, and groundwater. Also, the department offers educational programs related to alternative energy, which will be increasingly promising in the future.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-MR 1-2-MR	Introduction to Geology (3) Engineering Mineralogy & Laboratory (3) Introduction to Fine Particle Engineering (3)
2-1-MR 2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME	Rock Mechanics 1 (3) Basic Geo-exploration (3) Energy engineering (3) Exploitation System Engineering (3) Mineral Particle Engineering (3) Physical chemistry (3)	2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Rock Mechanics 2 (3) Physics for Geophysical Exploration (3) Marine Resources Engineering (3) Introduction to Basic Energy Calculation (3) Energy science (3) Water Chemistry (3)
3-1-ME 3-1-ME	Industrial Explosives (3) Mineral Resources Treatment and Laboratory 1 (3)	3-2-ME 3-2-ME 3-2-ME	Blasting Technique Engineering (3) Mineral Resources Treatment & Laboratory 2 (3) Rock Properties & Lab. (3)

3-1-ME 3-1-ME 3-1-ME 3-1-ME	Introduction to Geophysics (3) Computational Engineering for Mineral Resources and Energy (3) Energy Conversion Engineering 1 (3) Fluid mechanics (3)	3-2-ME 3-2-ME 3-2-ME	Geophysical Data Processing & Geophysical Experiment (3) Introduction to Energy Transfer (3) Greenhouse gas reduction engineering (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Field Practice 1 (1) Mineral Resources Excavation Engineering (3) Waste processing and Recycling Engineering 1 (3) Rock Blasting Design & Laboratory (3) Introduction of Reservoir Engineering (3) Introduction to New&Renewable Energy (3) Energy conversion engineering 2 (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME	Mine valuation management (3) Petroleum Development Engineering (3) Coal utilization engineering (3) Field Practice 2 (1)

Faculty

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· Kim, Hyun-jung, Ph.D.	Assistant Professor, Mineral Processing and Application Engineering Laboratory, Kshjkim@jbnu.ac.kr, 270-2370
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Department of Organic Materials and Fiber Engineering

Homepage: http://org.jbnu.ac.kr Phone: 82-(0)63-270-2349

The Department of Organic Materials and Fiber Engineering has led Korean industry and continuously introduced new manufacturing techniques. The department deals with the whole manufacturing process from materials to final products and the understanding of physical and chemical characteristics throughout.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Introduction to Organic Materials Engineering (3)
2-1-ME	Organic Chemistry 1 (3)	2-2-MR	Organic Chemistry 2 (3)
2-1-ME	Fiber Manufacturing Process & Practice (3)	2-2-MR	Polymer Chemistry 1 (3)
2-1-ME	Engineering Mathematics (3)	2-2-MR	Engineering Mechanics (3)
2-1-ME	Capstone Design (3)	2-2-ME	Fiber Assembly Processing (3)
2-2-ME	Instructional Therories of Engineering (3)	2-2-ME	Physical Chemistry (3)
		2-2-ME	Teaching Method & Materials of Engineering (3)
3-1-MR	Polymer Physics (3)	3-2-MR	Industrial Materials Engineering 1 (3)
3-1-ME	Polymer Chemistry 2 (3)	3-2-ME	Instrumental Analysis (3)
3-1-ME	Electrochemical Engineering (3)	3-2-ME	Nano Materials (3)
3-1-ME	Textile Wet Processing & Practice	3-2-ME	Energy Materials (3)
3-1-ME	Solid Mechanics (3)	3-2-ME	Transport Phenomena (3)
4-1-ME	Non-woven Fabrics (3)	4-2-ME	Carbon Composites 2 (3)
4-1-ME	Solar Cells (3)	4-2-ME	Electronic and Information Materials (3)
4-1-ME	Carbon Composites 1 (3)	4-2-ME	Biomaterials (3)
4-1-ME	Industrial Materials Engineering 2 (3)	4-2-ME	Carbon Fiber 2 (3)
4-1-ME	Interfacial Science (3)		
4-1-ME	Carbon Fiber 1 (3)		

Faculty

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Department of Polymer-Nano Science & Technology

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With more than 90 scientists and 250 undergraduate students and a well over \$2 million research fund available every year, the Department of Polymer-Nano Science and Technology (PNST), founded in 1993, is one of the best departments for polymer science and nanotechnology in Korea. Flourishing research programs seek to expand the usefulness of polymers and nano-materials to meet human needs. The department's academic focus spans all aspects of evolving polymer science and nanotechnology fields,

from synthesis to engineering and physics. Cross-disciplinary research is integral to those programs and most often involves the departments of physics, chemistry, biology, mechanics, and chemical engineering. PNST graduate students and faculty participate extensively in collaborative research programs with other universities and at national laboratories. The department is engaged in graduate and undergraduate teaching and research in polymer synthesis, characterization, morphology, rheology, physics, and engineering, with current emphasis in the areas of nanotechnology, biotechnology, and information technology. Its primary goal is to prepare skillful scientists and engineers to fill the need for polymer-nano scientists and engineers in industry, government, and education.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Introductio n to Polymer Science & Technique 1	2-2-ME	Organic Chemistry 2 (3)
	(3)	2-2-ME	Physical Chemistry 2 (3)
2-1-ME	Organic Chemistry 1 (3)	2-2-ME	Biochemistry 2 (3)
2-1-ME	Physical Chemistry 1 (3)	2-2-ME	Nano Physics 2 (3)
2-1-ME	Biochemistry 1 (3)	2-2-ME	Introduction to Polymer Science & Technique 2
2-1-ME	Nano Physics 1 (3)		(3)
2-1-ME	Polymer & Nano Structure Analysis 1 (3)	2-2-ME	Polymer & Nano Structure Analysis 2 (3)
3-1-MR	Polymer Chemistry 1 (3)	3-2-ME	Polymer Chemistry 2 (3)
3-1-MR	Polymer Physical Chemistry 1 (3)	3-2-ME	Polymer Physical Chemistry 2 (3)
3-1-MR	Polymer Processing & Practice 1 (3)	3-2-ME	Polymer Processing & Practice 2 (3)
3-1-MR	Polymer Mechanics 1 (3)	3-2-ME	Polymer Mechanics 2 (3)
3-1-MR	Polymer Photonics and Electronics & Practice 1	3-2-ME	Polymer Photonics and Electronics & Practice 2
	(3)		(3)
3-1-ME	Instrumental Analysis Lab. In Polymer Chemistry	3-2-ME	Instrumental Analysis Lab. In Polymer Chemistry
	& Seminar 1 (3)		& Seminar 2 (3)
3-1-ME	Field Practice 1-1 (3)	3-1-ME	Field Practice 2-1 (3)
3-1-ME	Field Practice 1-2 (6)	3-1-ME	Field Practice 2-2 (6)
4-1-ME	Polymers of Electronics and Information	4-2-ME	Polymeric Coatings (3)
	Technology (3)	4-2-ME	Biomedical Polymers & Practice 2 (3)
4-1-ME	Biomedical Polymers & Practice 1 (3)	4-2-ME	Elastomeric Polymer (3)
4-1-ME	Physical Properties of Polymers (3)	4-2-ME	Fabrication of Polymer Composites & the
4-1-ME	Fabrication of Polymer Composites & the		Application 2 (3)
	Application 1 (3)	4-2-ME	Devices for Information Technology & Practice
4-1-ME	Introducton to Photonics (3)		(3)
4-1-ME	Polymer & Nano Technology Seminar 1 (3)	4-2-ME	Polymer & Nano Technology Seminar 2 (3)
4-1-ME	Introduction to Proton Exchange Fuel Cel I(3)	4-2-ME	Polymer Materials for New Energy Application
4-1-ME	Application Technology of Fuel Cell 1(3)		(3)
4-1-ME	Cosmetic Chemistry 1 (3)	4-2-ME	Application Technology of Fuel Cell 2 (3)
4-1-ME	Field Practice 3-1 (3)	4-2-ME	Cosmetic Chemistry 2 (3)
4-1-ME	Field Practice 3-2 (6)	4-2-ME	Field Practice 4-1 (3)
		4-2-ME	Field Practice 4-2 (6)

MR: Major Required, ME: Major Elective

Faculty

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Department of Software Engineering

Homepage: http://software.jbnu.ac.kr

Phone: 82-(0)63-270-4541

The Department of software engineering provides innovative and practical IT training to advance our goals by combining the best conceptual knowledge and academic theory with practical real world applications. Through the expertise of our leading faculty, custom programs are developed and delivered to support the needs of organizations and individuals.

Software has become an essential building material in nearly all sectors of the economy. Through systematic training and project experience, students gain an understanding of the issues of scale and complexity of the software engineering tools and techniques. The core curriculum includes material both on engineering software products and on the process, teamwork, and management skills that are essential to successful engineering. Graduates of the program should have the technical, process, and teamwork skills to be immediately productive in a mature engineering organization. Students build experience in both research and in practice to identify and address the core challenges of software engineering. These challenges relate to diverse areas such as software architecture and design, software assurance and program analysis, measurement and tools, teams and organizations, end-user programming, amongst other topics.

The department of software engineering's program provides a unique environment for mastering the disciplines of software engineering. The goal of the program is to create the leaders of software engineering.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Introduction to Creative Engineering Design (3)
2-1-MR 2-1-MR	Introduction to Software Engineering Data Structures & Algorithms	2-2-MR 2-2-ME	Embedded Computer Architecture Software Domain Modeling

2-1-ME	Introduction to Embedded System	2-2-ME	JAVA Programming
2-1-ME	Discrete Mathematics	2-2-ME	File Architecture
2-1-ME	C++ Programming	2-2-ME	Linear Algebra
3-1-MR	Operating System	3-2-MR	Software Architecture Design
3-1-ME	Software Development Process	3-2-MR	Database
3-1-ME	Embedded Firmware	3-2-ME	Object-Oriented System Analysis & Design
3-1-ME	Mobile Application Programming	3-2-ME	Embedded System Software
3-1-ME	XML Programming	3-2-ME	Linux System
3-1-ME	Probability & Statistics	3-2-ME	Data Communication
4-1-ME	Software Quality & Testing	4-2-ME	Software Project Management
4-1-ME	Programming Language	4-2-ME	Embedded Software Engineering
4-1-ME	Advanced Web Programming	4-2-ME	Information Retrieval
4-1-ME	Database System Design	4-2-ME	Compiler Construction
4-1-ME	Computer Network & Security	4-2-ME	Information Security
4-1-ME	Multimedia Contents Production	4-2-ME	Software Engineering Capstone Project
4-1-ME	Software Engineering Capstone Project		
	I		I

Faculty

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Department of Urban Engineering

Phone: 82-(0)63-270-4051

The Department of Urban Engineering provides a high quality undergraduate and graduate teaching and learning environment in selected areas of urban engineering from which students can enter general or professional practice. The department focuses on urban planning/design and transportation dealing with methods and techniques for the establishment of an agreeable and convenient urban environment. The area of study is based on an understanding of the physical environment's structure and the variability of urban spatial structures. Transportation deals with fundamental principles pertaining to urban transportation and the methods of its planning for solving current transportation problems.

Year	Course (Credit)	Year	Course (Credit)
-1-ME -1-ME	Basic Computer Graphics (3) Method for Urban Design (3)	1-2-ME 1-2-ME	Introduction to Urban Study (3) Computer Graphics & Practice (3)

			T T
2-1-MR	Theory of Urban Planning (3)	2-2-MR	Land Use Planning (3)
2-1-ME	Urban Survey & Analysis Method (3)	2-2-ME	Theory of Urban Architecture (3)
2-1-ME	Introduction to Architectural & Environmental	2-2-ME	History of Urban Planning (3)
	Design (3)	2-2-ME	Urban Planning Practices 1 (3)
2-1-ME	Transportation Operation (3)	2-2-ME	Introduction to Transportation Engineering (3)
2-1-ME	Urban Design 1 (3)		
3-1-MR	Urban Transportation Planning (3)	3-2-MR	Urban Planning Laws (3)
3-1-MR	Theory of Urban Development (3)	3-2-MR	Site Design (3)
3-1-ME	National and Regional Planning (3)	3-2-ME	Transportation Planning Practices 1 (3)
3-1-ME	Site Planning and District Unit Planning (3)	3-2-ME	Urban Planning Practices 2 (3)
3-1-ME	Urban Design 2 (3)	3-2-ME	Urban Transportation Information System (3)
		3-2-ME	Field Practice 1 (1)
4-1-ME	Field Practice 2 (1)	4-2-ME	Urban Design and Thesis 2 (3)
4-1-ME	Urban Design and Thesis 1 (3)	4-2-ME	Theory of Urban Comprehensive Planning (3)
4-1-ME	Urban Landscape (3)	4-2-ME	Urban Transportation Facilities Engineering (3)
4-1-ME	Transportation Planning Practices 2 (3)	4-2-ME	Urban Real Estate (3)
4-1-ME	Urban Management and Renewal (3)	4-2-ME	Theory of Urban Environment (3)

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COLLEGE OF ENVIRONMENTAL AND BIORESOURCE SCIENCES

The College of Environmental and Bioresource Sciences, established at Iksan campus in 2008, provides students with educational opportunities to acquire the knowledge and skills to become professionals that can lead the future of the environmental and bioindustry fields; developing managerial competence in dealing with environmental and bioresource institutions. The mandate of the college is to carry out teaching, research and development programs to educate professionals and develop leadership skills within its Department and its two Divisions: the Department of Food Resource Marketing Economics, the Division of Biotechnology and the Division of Environmental Resources. The college also provides students with preparatory courses in different types of certifications. Amongst others, students are able to become Certified Environmental Engineers, Certified Engineers of Land Architecture, or acquire Teachers' Certificates of Biology. Upon completion of undergraduate programs, the most talented students can pursue professional or graduate studies in their respective areas of interest.

Division of Biotechnology (Bioresource and Biomolecule Engineering Major)

Homepage: http://bio-tech.jbnu.ac.kr/

Phone: 82-(0)63-850-0835

The Division of Biotechnology, organized with two majors, was founded in 2008 as a new academic unit of Chonbuk National University. Its mission has been the defining and establishment of a new discipline, fusing biological sciences with engineering. The focus of the majors in Bioresource and Biomolecule Engineering is to advance knowledge and educate students in biological science and technology so that they will best serve the nation and the world in the 21st century. The curriculum and research programs focus on cultivating educational, research, and entrepreneurial opportunities for the advancement of fundamental understanding of how biological systems operate and to develop practical, effective biology-based technologies.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Microbiology and Lab 1 (3)	2-2-MR	Microbiology and Lab 2 (3)
2-1-MR	Biochemistry 1 (3)	2-2-MR	Biochemistry 2 (3)
2-1-MR	Plant Science (3)	2-2-MR	Plant Resource Science and Lab (3)
2-1-ME	Animal Science (3)	2-2-ME	Animal Resource Science (3)
2-1-ME	Experimental Statistics (3)	2-2-ME	Physical Chemistry (3)
2-1-ME	General Organic Chemistry 1 (3)	2-2-ME	General Organic Chemistry 2 (3)
3-1-ME	Spectroscopic Analysis (3)	3-2-ME	Molecular Biology (3)

3-1-ME	Cell Biology (3)	3-2-ME	Molecular Virology (3)
3-1-ME	Plant Physiology (3)	3-2-ME	Ecology (3)
3-1-ME	Genetics (3)	3-2-ME	Microbial Genomics and Lab (3)
3-1-ME	Microbial Resources and Lab (3)	3-2-ME	Natural Product Chemistry and Lab (3)
		3-2-ME	Soil Science (3)
4-1-ME	Immunology and Lab (3)	4-2-ME	Pathogenic Microbiology and Lab (3)
4-1-ME	Biotechnology (3)	4-2-ME	Biofunctional Materials (3)
4-1-ME	Application of Materials (3)	4-2-ME	Biological Control and Lab (3)
4-1-ME	Plant Medical Science and Lab 1 (3)	4-2-ME	Systems Biology (3)
4-1-ME	Independent Study 1 (2)	4-2-ME	Independent Study 2 (2)
		4-2-ME	Plant Medical Science and Lab 2 (3)

Faculty

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Division of Biotechnology (Environmental Biotechnology Major)

Homepage: http://bio-tech.jbnu.ac.kr/

Phone: 82-(0)63-850-0835

The Department of Environmental Biotechnology works to foster the next generation of environmental scientists. This department offers a high quality program of study that meets the standards of professional accreditation and also provides a well balanced curriculum that requires students to use environmental and biological theory and skills to improve the quality of human life by solving environmental problems through biotechnology. In addition, the department also provides students with opportunities to become trained researchers, educators and managers who have creativity and a sense of mission for environmental science and biotechnology.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR 2-1-MR	Environmental Biotechnology(3) Environmental Organic Chemistry(3)	2-2-MR 2-2-MR	

2-1-ME	Introduction to Environmental Science (3)	2-2-ME	Environmental Biochemistry (3)
2-1-ME	Water Chemistry and Lab (4)	2-2-ME	Environmental Biology (3)
2-1-ME	Environmental Geochemistry (3)	2-2-ME	Environmental Plant Physiology (3)
2-1-ME	Special Topics in Environmental Science (3)	2-2-ME	Environmental Methmatics and Statistics (3)
2-1-ME	Environmental CAD (2)	2-2-ME	Environmental Microbiology Lab (2)
3-1-MR	Environmental Soil Chemistry and Mineralogy (3)	3-2-MR	Solid Waste Management and Treatment (3)
3-1-ME	Soil Microbiology (3)	3-2-ME	Environmental Instrumental Analysis and Lab (4)
3-1-ME	Environmental and Molecular Biology (3)	3-2-ME	Environmental and Ecological Biotechnology (3)
3-1-ME	Rhizosphere Microbiology (3)	3-2-ME	Biological Monitoring (3)
3-1-ME	Environmental Toxicology (3)	3-2-ME	Applied Nanotechnology (3)
3-1-ME	Environmental Policy (2)	3-2-ME	Contaminated Soil and Groundwater (3)
3-1-ME	Biotechnology and Lab for Water Treatment (4)	3-2-ME	Environment Experiment 1 (3)
		3-2-ME	Advanced Environment Experiment 1 (3)
4-1-ME	Environmental Remediation Technology (3)	4-2-ME	Biorefinery & Bioenergy(3)
4-1-ME	Environmental and Genetic Engineering (3)	4-2-ME	Pollutants Transport(3)
4-1-ME	Nanotoxicology (3)	4-2-ME	Environmental Impact Assessment(2)
4-1-ME	Biological Control and Lab (3)	4-2-ME	Field Training(4)
4-1-ME	Environment Experiment 2 (3)	4-2-ME	Advanced Field Practice(4)
4-1-ME	Advanced Environment Experiment 2 (3)		
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Faculty

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Department of Ecology Landscape Architecture Design

Homepage: http://home.chonbuk.ac.kr/biotech

Phone: 82-(0)63-850-0735

The Department of Ecology Landscape Architecture Design focuses on the basic science and landscape knowledge required throughout the landscape architecture industry. Students learn the fundamentals of environmental ecology, city planning, architecture, interior design, forestry, gardening, computer-aided design, and land development projects. They have both training in the laboratory and also in the field in the skills and techniques that are employed in industry. Graduates of the department will find opportunities to work in landscape design companies, government agencies, educational organizations, sales organizations, and private business.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Ecological Biogeography (2)
		1-2-ME	Environmental Landscape Ecology (3)
		1-2-ME	Topography Analysis & Design (3)
		1-2-ME	Multimedia and Landscape 1 (3)
		1-2-ME	Landscape and Culture (3)
		1-2-ME	Landscape Design (3)
2-1-MR	Ecological Growing Science (2)	2-2-MR	Habitat Planning & Design (2)
2-1-MR	Ecological Survey & Environmental Factor	2-2-MR	Ecology and Art (2)
	Analysis (2)	2-2-ME	Biotope Analysis (3)
2-1-ME	Sustainable Ecological Environmental Planning &	2-2-ME	GIS & Landscape Ecology (3)
	Design (3)	2-2-ME	River Ecological Structure & Function Analysis (3)
2-1-ME	Hydrologic Environmental Design (3)	2-2-ME	Ecological Landscape Structure Analysis (3)
2-1-ME	Multimedia and Landscape II (3)		
2-1-ME	Phytosocilogy & Practices (3)		
3-1-MR	Landscape Material & Construction (2)	3-2-MR	Ecological Planning & Design on Space Pattern (2)
3-1-MR	Plant Landscape Planting Design (2)	3-2-MR	Wetland Ecological Restoration Design (2)
3-1-ME	Groundcover Plant & Landscape Design (3)	3-2-ME	Environmental Ecological Maintenance & Analysis
3-1-ME	Ecological Landscape Design & Planning (3)		(3)
3-1-ME	River Constructure Planning & Design (3)	3-2-ME	Ecocity Afforestation Design (3)
3-1-ME	Eco-Park Construct & Design (3)	3-2-ME	Aesthetics and Ecological Design (3)
4-1-ME	Graduation Work Study (3)	4-2-ME	City Econetwork Planning & Design (3)
4-1-ME	Restoration Ecology and Engineering (3)	4-2-ME	Inter Environmental Planning & Design (3)
4-1-ME	Habitat Management & Applied Planning (3)	4-2-ME	Visual Resources & Management (3)
4-1-ME	Environmental Amenity Design & Practices (3)		

MR: Major Required, ME: Major Elective

Faculty

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Department of Food Resource Marketing Economics

Homepage: http://frme.jbnu.ac.kr/

Phone: 82-(0)63-850-0711

The Department of Food Resource Marketing Economics offers courses that tackle problems of changes in the economic environment through teaching of the theories of food circulation economics. It responds to a need to address the latest food resource problems which are becoming an increasingly important part of the agenda for international trade organizations.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Principles of Economics I (3)	2-2-MR	Principles of Marketing (3)
2-1-MR	Marketing Economics (3)	2-2-MR	Principles of Business administration (3)
2-1-MR	Food Business Management (3)	2-2-ME	Cooperatives (3)
2-1-ME	Statistics for Economists (3)	2-2-ME	Food Economics (3)
2-1-ME	Food Resource Economics (3)	2-2-ME	Industrial Sociology (3)
2-1-ME	Social Survey Methodology (3)	2-2-ME	Internet Marketing (3)
3-1-ME	Microeconomics (3)	3-2-ME	Macroeconomics (3)
3-1-ME	Food Marketing (3)	3-2-ME	Marketing Strategic Theory (3)
3-1-ME	Marketing Survey Methodology and Practical	3-2-ME	Marketing Management (3)
	Exercise (3)	3-2-ME	Analysis of Food Industrial Management (3)
3-1-ME	Account and Financial Analysis (3)	3-2-ME	Marketing Economics History (3)
3-1-ME	Econometrics (3)	3-2-ME	Regional Development (3)
3-1-ME	Agribusiness (3)		
4-1-ME	Food Trade (3)	4-2-ME	Agribusiness Seminar (3)
4-1-ME	Resource environment economics (3)	4-2-ME	Brand Management (3)
4-1-ME	Regional Economics (3)	4-2-ME	Consumer Economics (3)
4-1-ME	Food Business Strategy Seminar (3)	4-2-ME	Retail Management (3)
4-1-ME	Amenity (3)	4-2-ME	Food Policy (3)
4-1-ME	Service Marketing (3)	4-2-ME	Food Logistic Management (3)

MR: Major Required, ME: Major Elective

Faculty

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Department of Food Science & Biotechnology

Homepage: http://biofood.jbnu.ac.kr/

Phone: 82-(0)63-850-0747

The Department of Food Science & Biotechnology offers education and research programs studying food materials at the chemical, biological and physiological levels, it also teaches the methods of handling and manufacturing them into useful products using the latest technologies available in the rapidly-advancing bioscience field. The department provides students with a fundamental understanding of

food, which is field that requires the highest of standards so as to produce quality products fit for human consumption.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Food Microbiology 1 (3)	2-2-MR	Food Chemistry 1 (3)
2-1-MR	Food Biochemistry 1 (3)	2-2-ME	Food Engineering (3)
2-1-ME	Food Materials (3)	2-2-ME	Food Microbiology2 (3)
2-1-ME	Organic Chemistry (3)	2-2-ME	Traditional Food Fermentation (3)
2-1-ME	Food Science (3)	2-2-ME	Food Analysis & Lab. (3)
2-1-ME	Food Microbiology Lab. (1)	2-2-ME	Food Biochemistry 2 (3)
3-1-MR	Food Hygiene (3)	3-2-MR	Meat Processing & Lab. (3)
3-1-MR	Agricultural Food Processing & Lab. (3)	3-2-ME	Law of Food Hygiene (3)
3-1-ME	Food Preservation (3)	3-2-ME	Fermentation Technology (3)
3-1-ME	Food Chemistry 2 (3)	3-2-ME	Nutritional Chemistry (3)
3-1-ME	Enzymology (3)	3-2-ME	Food Additives (3)
3-1-ME	Instrumental Analysis (3)	3-2-ME	Fats & Oils (3)
4-1-ME	Food Packaging Technology (3)	4-2-ME	Dairy Processing & Lab. (3)
4-1-ME	Functional Foods (3)	4-2-ME	Physical Propertied of Foods (3)
4-1-ME	Public Health (3)	4-2-ME	Marine Product Technology (3)
4-1-ME	Sensory Evaluation (3)	4-2-ME	Natural Products Science (3)
4-1-ME	Molecular Biology (3)	4-2-ME	Food Bioactivity (3)
4-1-ME	Food Quality Control (3)	4-2-ME	Nutrition Physiology (3)

MR: Major Required, ME: Major Elective

Faculty

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Department of Oriental Medicine Resources

Homepage: http://biotech.jbnu.ac.kr/sub05/sub01.php

Phone: 82-(0)63-850-0741

The Department of Oriental Medicine Resources offers a broad scientific understanding for the concepts for herb science and also a very practical knowledge of the fundamentals of oriental herb management,

of tissue culture of herb plants and of health foods produced from herb plants. The program enables students to be skilled technicians and managers with broad laboratory-based training enabling them to acquire highly competitive positions in research and development institutes, medical laboratories, hospitals, herb processing companies and herb distribution businesses.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Medicinal Botany (3)	2-2-ME	Medicinal Herb Garden Practice (3)
2-1-ME	Plant Tissue Culture &Practices (3)	2-2-ME	Plant Tissue Culture &Practices 2 (3)
2-1-ME	Hygiene (3)	2-2-ME	Oriental Medicine Microbiology &Lab (3)
2-1-ME	Pharmacognosy &Lab 1 (3)	2-2-ME	Pharmacognosy &Lab 2 (3)
2-1-ME	Introduction to Herbal Medicines (3)	2-2-ME	Chinese of Oriental Medicines (3)
3-1-MR	Plant Physiology (3)	3-2-MR	Natural Products Chemistry (3)
3-1-MR	Herbalogy 1 (3)	3-2-MR	Oriental Medicine Estimation (3)
3-1-ME	Alternative Medicine 1 (3)	3-2-MR	Herbalogy 2 (3)
3-1-ME	Medicinal Plant Cultivation 1 (3)	3-2-ME	Alternative Medicine 2 (3)
3-1-ME	Oriental Medicine Cosmeticalogy (3)	3-2-ME	Medicinal Plant Cultivation 2 (3)
3-1-ME	Korea Herbal Pharmacopoeia (3)	3-1-ME	Medicinal Plant Breeding (3)
4-1-ME	Storage of Herbal Medicines (3)	4-2-ME	Marketing of Oriental Medicines (3)
4-1-ME	Medicinal Plant Seeding (3)	4-2-ME	Management of Oriental Medicines (3)
4-1-ME	Medicinal plant & Health (3)	4-2-ME	Medicines on Four Physical Constitutions (3)
4-1-ME	Biochemistry and Lab (3)	4-2-ME	Health functional Foods (3)
4-1-ME	Processing of Herbal Medicine &Practice (3)	4-2-ME	Instrumental Analysis (3)
4-1-ME	Herbal Processing Technology and Practice (3)	4-2-ME	Oriental Medicine Toxicology (3)

MR: Major Required, ME: Major Elective

Faculty

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- · Jin, Jong-sik, Ph.D. Professor, Natural Products and Chemical Analysis, jongsik.jin@jbnu.ac.kr, 850-0744

COLLEGE OF HUMANITIES

The College of Humanities, established in 1951 as the College of Liberal Arts and Sciences, has been a part of CBNU history and tradition from the very beginning. After being divided into the College of Humanities and the College of Natural Sciences in 1979, the College of Humanities has developed into an extensive college with about 2,500 students across eleven departments. The college aims to understand the nature of humanity using a variety of parameters and offers programs which help to maximize the growth of students' intellectual and academic capacities.

Department of Archaeology & Cultural Anthropology

Homepage: http://home.chonbuk.ac.kr/culture

Phone: 82-(0)63-270-3283

The Department of Archaeology and Cultural Anthropology is divided into two major fields: Archaeology and Cultural Anthropology. Archaeology focuses on prehistoric cultures and peoples while Cultural Anthropology focuses mainly on contemporary cultures and peoples. The department provides students with many useful courses and intensive training programs to enhance their intellectual ability and practical knowledge. Special disciplinary courses and programs enrich students with both theoretical and practical learning, giving the curriculum a distinctive feel. Furthermore, the department offers not only courses about prehistoric and contemporary cultures and peoples, but also many applied courses about cultural heritage and its management; museums and cultural displays, event organization and management, cultural tourism, and cultural industries.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	The Archaeology of Prehistoric Korea (3)	2-2-MR	Cultural Theory (3)
2-1-ME	World Cultural Heritage (3) Cultural Heritage and Museumt (3) Cultural Heritage Survey (3) Family and Kinship (3) Korean Folk Culture (3) Introduction to Contemporary Culture (3) Life and Culture in Southeast Asia (3)	2-2-ME	Tourism and Anthropology (3) City and Culture (3) Religion and Cultur (3) Visual Archaeology (3) Ancient Civilization of Meso-American (3) Ancient Civilization of Europe (3) The Cultural Heritage of Korea (3)
3-1-MR	Methodology of Cultural Research (3)	3-2-MR	Readings in Archaeolog y(3)
3-1-ME	Cultural Industry and Mass Culture (3) Visual Anthropology (3) Life and Culture of Ordinary People (3) Rise of East Asian Civilization (3) Origin and Evolution of Humankind (3)	3-2-ME	History of Archaeology (3) Understanding Buddhist Cultural Heritage (3) Consumption and Culture (3) Language and Culture (3) Gender and Culture (3)

	Historical Archaeology of Korea (3) The Ceramic Culture of Korea (3)		Culture and Power (3) Understanding Cultural Heritage (3)
4-1-ME	Culture and Policy (3) Culture and Environment (3) Cultural Exchange between East and West (3) Introduction to Paekche Culture (3) The Burial Culture of Korea (3) Cultural Heritage of Honam Province (3)	4-2-ME	The Archaeology of the Medieval and Recent Historical Period in Korea (3) Use of Cultural Property (3) Cultural Events and Exhibition (3) Thesis Write Method (3)

Faculty

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Department of Chinese Language & Literature

Homepage: http://chinese.chonbuk.ac.kr

Phone: 82-(0)63-270-3215

In the Department of Chinese Language & Literature, the professors are constantly contributing their efforts to enhance and improve the program. In addition to the regular courses, students have many opportunities to join clubs for extra-curricular activities such as the Theatrical Club and Chinese Song Club. The department has been holding a 'Chinese Language & Literature Festival' every year since 1984 with an annual performance in the Chinese language being presented as a section of the festival.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Beginning Chinese Conversation (3)
2-1-ME 2-1-ME	History of Ancient Chinese Literature (3) Introduction to Chinese Linguistics (3)	2-2-ME 2-2-ME	History of Medieval Chinese Literature (3) Intermediate Chinese 2 (3)

2-1-ME	Intermediate Chinese 1 (3)	2-2-ME	Intermediate Chinese Conversation (3)
2-1-ME	Speaking of Korea culture with Chinese (3)	2-2-ME	Chinese for Culture (3)
2-1-ME	Appreciation of memorable modern Chinese	2-2-ME	Understanding of Chinese Grammar (3)
	sentence (3)	2-2-ME	Translation and Appreciation of Classical Chinese
2-1-ME	Reading a memorable phrase in the Four Books		Poetry (3)
	(3)	2-2-ME	Selected Reading of Chinese fables and phrases
2-1-ME	Calligraphy and Cultural Inderstry(3)		(3)
3-1-ME	Advanced Chinese 1 (3)	3-2-ME	History of Contemporary Chinese Literature (3)
3-1-ME	Advanced Chinese Conversation (3)	3-2-ME	Advanced Chinese 2 (3)
3-1-ME	History of Modern Chinese Literature (3)	3-2-ME	Advanced Chinese Composition and Reading (3)
3-1-ME	Chinese for Tourism Content (3)	3-2-ME	Listening Practice for Current Chinese News (3)
3-1-ME	Reading of Chinese Fable (3)	3-2-ME	History of Chinese Character (3)
3-1-ME	Modern Chinese Drama (3)	3-2-ME	Readings in Classical Chinese Prose (3)
3-1-ME	Modern Chinese Novel & Movie (3)	3-2-ME	Studies in Chinese textbooks and Teaching
3-1-ME	Chinese Language Pedagogy (3)		Methodology (3)
4-1-ME	Deepening Coaching of Writing Thesis (3)	4-2-ME	Wisdom of Confucian Analects (3)
4-1-ME	Training of Practical Chinese Writing (3)	4-2-ME	Training in Chinese Interpretation & Translation
4-1-ME	Classical Chinese Poetry and Cultural Content (3)		(3)
4-1-ME	Translation and Appreciation of shijing & Chuci	4-2-ME	Reading in Zhu-Zi Bai-Jia (3)
	(3)	4-2-ME	Ancient Chinese Drama (3)
4-1-ME	Understanding of Modern Chinese Prose (3)	4-2-ME	Theory of Modern Chinese Person (3)
4-1-ME	Chinese Culture and Art (3)	4-2-ME	Classical Chinese Novel (3)
4-1-ME	Chinese in Trade and Commerce (3)	4-2-ME	Critical Theory of Ancient Chinese Literature (3)
4-1-ME	Practice of Logic and Writing for Chinese (3)		

[·] MR: Major Required, ME: Major Elective

• Faculty

•	
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· Park, shun-cheul, Ph.D.	Associate Professor, Chinese Poetry, Confucian Classics

Department of English Language & Literature

Homepage: http://english.chonbuk.ac.kr

Phone: 82-(0)63-270-3199

The Department of English Language & Literature educates students by building English language competency as well as an understanding of the traditions and trends of English and American literature by offering various types of literary courses focussed on fields such as novels, poetry, drama, and literary theories. The department also provides students with general and applied linguistic courses in areas such as syntax, semantics, phonetics, and in teaching methods. By taking both literary and linguistic courses, students are expected to develop a sense of proportion and near optimum efficacy in studying English.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	English Grammar (3) English Essay (3)
		1-2-ME 1-2-ME	Background of English & American Literature (3) Understanding of English Linguistics (3)
2-1-ME	History of English Literature (3)	2-2-ME	English Romantic Poetry (3)
2-1-ME	English & American Short Story (3)	2-2-ME	History of American Literature (3)
2-1-ME	Understanding English & American Novel (3)	2-2-ME	Readings in English Literature (3)
2-1-ME	Understanding English & American Poetry (3)	2-2-ME	Understanding English & American Drama (3)
2-1-ME	English in Society (3)	2-2-ME	History of English Language (3)
2-1-ME	English Phonetics (3)	2-2-ME	Modern English Novel (3)
2-1-ME	Analysis of English Word(3)		
3-1-ME	Advanced English Composition	3-2-ME	Advanced English Conversation
3-1-ME	19th Century English & American Poetry (3)	3-2-ME	Modern English Novel (3)
3-1-ME	Reading in American Literature (3)	3-2-ME	Preromantic English Poetry (3)
3-1-ME	Understanding English Syntax (3)	3-2-ME	Shakespeare (3)
3-1-ME	19th Century American Novel (3)	3-2-ME	English Teaching Method (3)
3-1-ME	Modern English & American Drama (3)	3-2-ME	English Phonology (3)
4-1-ME	19th Century English Novel (3)	4-2-ME	English & American Literary Criticism (3)
4-1-ME	English Semantics (3)	4-2-ME	Theory and Practice of Translation (3)
4-1-ME	English & American Literature and Cinema (3)	4-2-ME	Readings in English & American Female
4-1-ME	Modern English & American Poetry (3)		Literature (3)
		4-2-ME	Practice in English Linguistics (3)
		4-2-ME	Usage in English media (3)

MR: Major Required, ME: Major Elective

• Faculty

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jhkim3214@hanmail.net, 270-3214

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Department of French

Homepage: http://depoffr.chonbuk.ac.kr

Phone: 82-(0)63-270-3190

The Department of French was established not only to teach students French, but also to develop an understanding of the French culture and intellectual tradition. The department offers students opportunities to pursue course work in all levels of the language, culture, literature, and history of France. To achieve the goals of the department, the curriculum emphasizes mastery of the French language. In the laboratory room, the students can see and hear French channel broadcasts all day and also watch various French films.

Year	Course (Credit)	Year	Course (Credit)
		1-2-MR 1-2-ME 1-2-ME	French Listening Comprehension (3) Introduction to French 1(3) Introduction to French 2(3)
2-1-MR	Beginning French Conversation (3)	2-2-MR	Intermediate French Conversation (3)
2-1-ME	History of French Literature 1 (3)	2-2-ME	French in the Spectacle (3)
2-1-ME	Elementary French Grammar (3)	2-2-ME	Intermediate French Grammar (3)
2-1-ME	Elementary French Composition (3)	2-2-ME	Intermediate French Composition (3)
2-1-ME	French film (3)	2-2-ME	Seminar in French Literature (3)
2-1-ME	Readings in French Prose (3)	2-2-ME	History of French Literature 2 (3)
		2-2-ME	Contemporary French drama and production (3)
3-1-MR	Advanced French Conversation (3)	3-2-ME	DELF 1 (3)
3-1-ME	French Poetry (3)	3-2-ME	Thoughts and Literature in the Age of Revolution
			(3)

3-1-ME	19th-Century French Novel (3)	3-2-ME	Phonological Analysis of French Media(3)
3-1-ME	French in the Bible 1 (3)	3-2-ME	Practice in French Interpretation (3)
3-1-ME	Advanced French Grammar (3)	3-2-ME	French Opera and Musical (3)
3-1-ME	Speech Science (3)	3-2-ME	French in the Bible 2 (3)
3-1-ME	Education Theory of French Language (2)	3-2-ME	Teaching Materials & Method of French Language
			Education (3)
4-1-ME	Contemporary French Speech Modes (3)	4-2-ME	French Literature & Body (3)
4-1-ME	20th-Century French Novel (3)	4-2-ME	Practice in French Translation (3)
4-1-ME	Tourism French (3)	4-2-ME	French Art 2 (3)
4-1-ME	French and Computer (3)	4-2-ME	French on the Internet (3)
4-1-ME	DELF 2 (3)	4-2-ME	Practical French (3)
4-1-ME	French Art 1 (3)	4-2-ME	Seminar in Contemporary French Literature (3)
4-1-ME	Educational Logic for French Language (3)		

Faculty

· Chou, Young-kyung, Ph.D. Professor, French Language, chouyk54@hotmail.com, 270-3193 · Jo, Han-kyoung, Ph.D. Professor, French Literature, johan@jbnu.ac.kr, 270-3194

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· Kim, Myung-gwan, Ph. D. Professor, French Language, myungwan@jbnu.ac.kr, 270-3191

· Kim, Guyl-hun, Ph.D. Associate Professor, French Literature, ghk@jbnu.ac.kr, 270-3163

Department of German Language & Literature

Homepage: http://home.jbnu.ac.kr/deutsch

Phone: 82-(0)63-270-3181

The Department of German Language & Literature, established in 1978, has taken an active role in every aspect of society and produced many graduates. The department offers basic training in speaking, listening and writing German with a native speaker in the best laboratory rooms. Most lectures use information mediums such as German broadcasts to achieve language skills.

Year	Course (Credit)	Year	Course (Credit)
		1-2-MR	Accompanying Course of Basic German (3)
2-1-ME 2-1-ME	Basic Course in German Conversation 1 (3) Accompanying Course of Basic Course in German Conversation 1 (3)	2-2-MR 2-2-ME	Advanced Course in German Conversation 2 (3) Accompanying Course of Advanced Course in German Conversation 2 (3)

2-1-ME 2-1-ME 2-1-ME	German in Massmedia 1 (3) Basic Practice in Translation of German Text 1 (3) Practising in Pronunciation and Word-Formation of German (3) Introduction to Germanic Drama (3)	2-2-ME 2-2-ME 2-2-ME 2-2-ME	Advanced Practice in Translation of German Text 2 (3) German Composition (3) German in Massmedia 2 (3) Introduction to German Poetry (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Course for Certificate German (3) Accompanying Practise of Course for Certificate German Survey of Trend in German Literature and Art (3) Advanced German 1 (3) German Writer Studies 1 (3) Introduction to Germanic Linguistics (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Translation Practise German-English (3) Advanced German 2 (3) German Writer Studies 2 (3) Introduction to German Fiction (3) Introduction to German Draman (3) Introduction to German Syntax (3)
4-1-MR 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Comprehensive Evaluation for Graduation: BA (3) German Language and Firm (3) Literature and Cultural Studies (3) Readings in German Studies (3) Introduction to German Film (3) Translated Literature German-English (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	German Language and Culture (3) Current Gemran (3) Practise in Written and Spoken German with Special Purposes (3) Introduction to Swiss-Austrian Culture (3) Germanic Literature and Comparative Literature (3)

Faculty

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Kim, Kwan-ou, Ph.D. Professor, German Literature, kko@chonbuk.ac.kr, 270-3186
Go, Gyu-jin, Ph.D. Professor, German Literature, gjgo@chonbuk.ac.kr, 270-3290
Yang, U-tag, Ph.D. Professor, German Literature, uya@chonbuk.ac.kr, 270-3189

· Yeo, Jong-moon, Ph.D. Associate Professor, German Language, jmyeo@chonbuk.ac.kr, 270-3182

Department of History

Homepage: http://home.chonbuk.ac.kr/history

Phone: 82-(0)63-270-3224

The Department of History was established not only to study the history of all countries, but also to help plan our own life in the future. The department offers students the opportunity to learn about and examine western and oriental cultures as well as our country's cultural tradition in various aspects. To do this, we have students visit and investigate sites of historical monuments. In addition, our department has an abundance of reference materials to assist students' studies.

Year	Course (Credit)	Year	Course (Credit)
		1-2-ME	History of the Gochosun and The Yeolguk Period
			(3)
		1-2-ME	History and Culture of East Asia (3)
		1-2-ME 1-2-ME	History and Culture of the Ancient Orient (3)
		I-Z-IVIE	Field Investigation of the Historical Scene 1 (3)
2-1-ME	History of the Samguk and Nambukguk Period (3)	2-2-ME	Medieval History of Korea (3)
2-1-ME	Reading Korean History in Classical Chinese (3)	2-2-ME	History of the Early Chosun Dynasty (3)
2-1-ME	History of the Chinese Ancient Civilization (3)	2-2-ME 2-2-ME	Socio-Economic History of China (3)
2-1-ME 2-1-ME	History and Culture of the Southeast Asia (3) Ancient History of the West (3)	2-2-ME	History of the Chinese Medieval Civilization (3) Medieval History of the West (3)
2-1-ME	Reading Western History in English 1 (3)	2-2-ME	Reading Western History in English 2 (3)
		2-2-ME	Introduction to History(3)
		2-2-ME	Field Investigation of the Historical Scene 2(1)
3-1-ME	History of the Late Chosun Dynasty (3)	3-2-ME	Modern History of Korea (3)
3-1-ME	Controversies in History of Korea and Japan	3-2-ME	History in Life and Archive (3)
	Relations (3)	3-2-ME	The History of Political and Social Development
3-1-ME	History of Honam Area (3)		in the Modern China (3)
3-1-ME	Religion and Culture of the East Asia (3)	3-2-ME	Topic on the East Asia (3)
3-1-ME	Intellectual History of China (3)	3-2-ME	Women's History of the West (3)
3-1-ME 3-1-ME	Modern History of the West (3) History of American Foreign Policy (3)	3-2-ME	History and Culture of South and North America (3)
3-1-ME	Education Theory of History (3)	3-2-ME	Field Investigation of the Historical Scene 3 (1)
3 1 W.E	Education meety of history (e)	3-2-ME	Teaching Materials & Method of History
4-1-ME	Korean Territorial History (3)	4-2-ME	History of Korean Foreign Relations (3)
4-1-ME	Korean Historiography (3)	4-2-ME	Early Modern History and Culture of China (3)
4-1-ME	Contemporary History of Korea (3)	4-2-ME	Contemporary History of the West (3)
4-1-ME	History of Cultural Exchange Between the East and the West (3)	4-2-ME	Field Investigation of the Historical Scene 4 (1)
4-1-ME	Political History of Modern China (3)		
4-1-ME	History of European Expansion and Globalization (3)		
4-1-ME	History of the Western Civilization (3)		
4-1-ME	Theory of Logic & Eassy in History Education (2)		

• Faculty

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· Ha, Tae-kyu, Ph.D.	Professor, Middle Age History of Korea, htkyu@chonbuk.ac.kr, 270-3238		
· Han, Moon-jong, Ph.D.	Professor, History of Early Joseon's Relations, mjhan@chonbuk.ac.kr, 270-3235		
· Kim, Sung-kyu, Ph.D.	Associate Professor, History of the Orient, kyuko@chonbuk.ac.kr, 270-3230		
· Lee, Yong-jae, Ph.D.	Associate Professor, History of the West, leeclio@chonbuk.ac.kr, 270-3232		
· Song, Mi-ryeong, Ph.D.	Associate Professor, History of the Orient, meiling0729@naver.com, 270-3228		

Department of Japanese Language & Literature

Homepage: http://home.jbnu.ac.kr/japan

Phone: 82-(0)63-270-3261

The Department of Japanese Language & Literature takes a systematic look at Japanese language, history and literature. Students will gain skills in reading, writing and speaking Japanese and develop a greater understanding of Japanese literature. This includes not only the ability to converse in everyday situations but also a familiarity with Japanese history, culture and society. The programs of our department will transform students' perceptions of Japan as they learn more about its role in the international community and its rich history.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Understanding of Japanese Pronunciation (3)		General Studies
2-1-MR 2-1-ME 2-1-ME	Understanding of Japanese Grammar (3) Reading in Japanese 1 (3) Japanese Conversation 1 (3)	2-2-MR 2-2-MR 2-2-ME	Understanding of Japanese Linguistics (3) Reading in Japanese 2 (3) Japanese Conversation 2 (3)
2-1-ME 2-1-ME	Elementary Japanese Composition (3) Japanese Society and Culture (3)	2-2-ME 2-2-ME 2-2-ME	Reading in Japanese Short Story (3) Japanese Essay (3) Japanese Popular Culture (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	History of Modern Japanese Literature (3) Current Japanese (3) Japanese Literary Grammar (3) Multimedia Japanese (3) The Cultural History of Japan (3) Japanese and Social Culture (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	History of Japanese Classical Literature (3) Japanese Novel (3) The Korean Society and Culture in Japan (3) Japanese Lexicology (3) Practical Japanese on Business (3) Practice in Japanese Expression (3) Comparative Japanese Literature 1 (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Modern Japanese Poetry (3) Comparative Japanese Literature 2 (3) Japanese Literary Criticism (3) Practice in Japanese Interpretation (3) Japanese Drama (3) The Contemporary Politics and Economics of Japan (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Understanding of Japanese Classical Prose (3) Studies of Japanese Writers (3) The Folklore and its Historical Change in Japan (3) History of Japanese Language (3) Japanese Semantics and Syntax (3)

MR: Major Required, ME: Major Elective

Faculty

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Department of Korean Language & Literature

Homepage: http://korean.jbnu.ac.kr

Phone: 82-(0)63-270-3166

The Department of Korean Language & Literature with its long history and tradition has produced a large number of successful students. Considering the characteristics of the region, we are also trying to research and educate students about local language and culture. By doing so, we hope to cultivate specialists in Korean culture so that they can contribute to the globalization of the twenty-first century. We are confident that we are faithfully playing our role as a central department in the college of humanities. Any students with creative ideas and affection for the Korean language should realize their dreams in the department.

Year	Course (Credit)	Year	Course (Credit)
2-1-ME	Reading Korean Linguistics (3)	2-2-ME	History of Korean Linguistics (3)
2-1-ME	Understanding Korean Linguistics (3)	2-2-ME	Understanding Korean Grammar (3)
2-1-ME	Readings in Sino-Korean Literature (3)	2-2-ME	Readings in Korean Classical Novel (3)
2-1-ME	Understanding Korean Literature (3)	2-2-ME	Readings in Korean Classical Poetry (3)
2-1-ME	Readings in Korean Classical Novel (3)	2-2-ME	History of Korean Modern Literature (3)
2-1-ME	Literature Methodology (3)	2-2-ME	Korean Dramatics (3)
2-1-ME	Exercise in Poem Writing (3)		
2-1-ME	Studies in Korean Modern Novel (3)		
3-1-ME	Linguistics and Literature (3)	3-2-ME	Understanding History of Korean (3)
3-1-ME	Communication and Semantics (3)	3-2-ME	Computer Processing of Korean Language (3)
3-1-ME	History of Korean Classical Literature (3)	3-2-ME	Theories of Korean Classical Novel (3)
3-1-ME	Studies in Korean Classical Poetry (3)	3-2-ME	Korean Oral Literature (3)
3-1-ME	Exercise in Prose Writing (3)	3-2-ME	Korean Modern Novel & Writing (3)
3-1-ME	Korean Modern Poetics (3)	3-2-ME	Korean Modern Poetry (3)
4-1-ME	Korean Dialectology and Culture (3)	4-2-ME	Practical Application of Korean (3)

4-1-ME	Understanding Korean Phonetics and Phonology	4-2-ME	Structure of Korean and Translation (3)
	(3)	4-2-ME	Korean Classical Prose (3)
4-1-ME	Understanding Korean Classical Criticism (3)	4-2-ME	History of Sino-Korean Literature (3)
4-1-ME	Korean Narratology (3)	4-2-ME	Korean Popular Literature and Culture (3)
4-1-ME	Performing Culture and Arts (3)	4-2-ME	Korean Modern Poets (3)
4-1-ME	Korean Literary Criticism (3)		

Faculty

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Department of Library & Information Science

Homepage: http://information.chonbuk.ac.kr

Phone: 82-(0)63-270-3253

The Department of Library & Information Science is dedicated to educate students who will serve the information needs of a diverse and technological society. In pursuit of this mission, we apply current standards to the organization, management, and use of the world's recorded knowledge. We also provide leadership in advocating public policies that foster the precepts of intellectual freedom and equitable access to information.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-ME 1-2-ME 1-2-MF	Introduction to Library & Information Science (3) Library & Information Center Management (3) Children & Young Adult Information (3) Exercise in Information Processing (3)

2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	Information Materials Organization 1 (3) Book Reading Method (3) School Library Media center Management (3) Computer Information Processing (3) Web Database Searching (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Information Services (3) Information Materials Organization 2 (3) Research Library Management (3) Analysis & Design of Information System (3) Knowledge Information Society & Contents Development (3)
3-1-MR	Information Retrieval (3)	3-2-ME	Multi-Materials Organization (3)
3-1-ME	Practice of Information materials Organization (3)	3-2-ME	Understanding of Research Information Sources (3)
3-1-ME	Information Resource Management (3)	3-2-ME	Indexing & Abstracting Method (3)
3-1-ME	Digital Library (3)	3-2-ME	Library Field Workshop (3)
3-1-ME	Information Media (3)	3-2-ME	Information Sources of Korean Studies (3)
3-1-ME	Oriental Classics Organization (3)	3-1-ME	Web Design Tool & Language (3)
4-1-ME	History of Library & Publication (3)	4-2-ME	Introduction to Bibliography (3)
4-1-ME	Public Library Management (3)	4-2-ME	Information User Studies (3)
4-1-ME	Information Communication & Network (3)	4-2-ME	Subject Information Sources (3)
4-1-ME	Understanding of Publication & Copyright (3)	4-2-ME	Record Management & Preservation (3)
4-1-ME	Bibliotherapy (3)	4-2-ME	Web Document Processing (3)

Faculty

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Department of Philosophy

Homepage: http://philos.chonbuk.ac.kr

Phone: 82-(0)63-270-3239

The Department of Philosophy encompasses the rational investigation of fundamental problems about humankind, the world, and humanities conduct in it. Students who choose the philosophy major must have, first and foremost, a pure devotion to philosophical problems, because its characteristics as a science have the highest degree of abstraction and the largest extension of universals.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Theory of Knowledge (3)	2-2-MR	Ethics (3)
2-1-MR	Ancient Western Philosophy (3)	2-2-MR	Modern Western Philosophy (3)
2-1-ME	Ancient Chinese Philosophy (3)	2-2-ME	Medieval Chinese Philosophy (3)
2-1-ME	Theory and Practice of Logical Writing (3)	2-2-ME	Buddhist Philosophy (3)
2-1-ME	Symbolic Logic (3)	2-2-ME	Medieval Western Philosophy (3)
2-1-ME	Philosophical Anthropology (3)	2-2-ME	Contemporary Theory of Knowledge (3)
3-1-MR	Neo-Cofucianism (3)	3-2-MR	Metaphysics (3)
3-1-ME	Ancient & Medieval Philosophy of Korean (3)	3-2-ME	Oriental Political Thought (3)
3-1-ME	Confucianist Philosophy (3)	3-2-ME	Modern Chinese Philosophy (3)
3-1-ME	Readings in Classics of Oriental Philosophy (3)	3-2-ME	Taoist Philosophy (3)
3-1-ME	Analytic Philosophy (3)	3-2-ME	Philosophy of Language (3)
3-1-ME	Contemporary German Philosophy (3)	3-2-ME	Philosophy of Environment (3)
3-1-ME	Social Philosophy (3)	3-2-ME	Readings in Classics of Werstern Philosophy (3)
4-1-ME	Modern Korean Philosophy (3)	4-2-ME	Contemporary Chinese Philosophy (3)
4-1-ME	Philosophy of Science (3)	4-2-ME	Feminist Philosophy (3)
4-1-ME	Philosophy of History (3)	4-2-ME	Aesthetics (3)
4-1-ME	Philosophy of Religion (3)	4-2-ME	Philosophy of Logic (3)
4-1-ME	French Philosophy (3)	4-2-ME	Contemporary Philosophy of Science (3)
4-1-ME	Modern Moral Philosophy (3)	4-2-ME	Teaching Methods of Logical Writing (3)
4-1-ME	Philosophy of Mind (3)	4-2-ME	Applied Ethics (3)

MR: Major Required, ME: Major Elective

Faculty

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· Chin Sung-su, Ph.D.	Assistant Professor, Chinese Confucianist Philosophy, chin0420@hanamul.net, 270-3272

Department of Spanish & Latin American Studies

Homepage: http://spanish.chonbuk.ac.kr

Phone: 82-(0)63-270-3275

The Department of Spanish & Latin American Studies was established to train students to acquire practical Spanish language competency and further understanding of the cross-cultural nature of the Spanish-Latin American heritage. The major program places a particular emphasis on education in multi-linguistic ability and multi-cultural understanding, so that the graduates can contribute to facilitating linguistic and cultural exchanges between Spain-Latin America and Korea.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-ME	Basic Spanish (3)	1-2-ME	Basic Spanish 2 (3)
2-1-MR	Intermediate Spanish 1 (3)	2-2-MR	Intermediate Spanish 2 (3)
2-1-MR	Reading in Intermediate Spanish 1 (3)	2-2-MR	Reading in Intermediate Spanish 2 (3)
2-1-ME	History of Spanish Literature 1 (3)	2-2-MR	Spanish Conversation Introduction 2 (3)
2-1-ME	Spanish Conversation Introduction 1 (3)	2-2-ME	Understanding of Spanish Grammar (3)
2-1-ME	Spanish Composition 1 (3)	2-2-ME	History of Spanish Literature 2 (3)
		2-2-ME	Spanish Composition 1 (3)
3-1-MR	Spanish Conversation Practice 1 (3)	3-2-MR	Spanish Conversation Practice 2 (3)
3-1-ME	Advanced Spanish 1 (3)	3-2-ME	Advanced Spanish 2 (3)
3-1-ME	Media Spanish (3)	3-2-ME	Screen Spanish (3)
3-1-ME	Spanish Learning and Teaching Methods (3)	3-2-ME	Introductuib to Spanish Linguistics (3)
3-1-ME	DELE 1	3-2-ME	Understanding of Golden Ages Spanish Literature
3-1-ME	Understanding of Contemporary Spanish		(3)
	Literature (3)	3-2-ME	DELE (3)
3-1-ME	Area Study of Spain (3)	3-2-ME	Area Study of Latin America (3)
4-1-ME	Business Spanish (3)	4-2-ME	Current Spanish (3)
4-1-ME	Spanish & Latin American Works of Nobel Prize	4-2-ME	Spanish & Latin American Movies (3)
	Literature (3)	4-2-ME	History of Latin America Literature
4-1-ME	Understanding of Latin American Novels (3)	4-2-ME	Understanding of Latin American Politics and
4-1-ME	Understanding of Spanish Politics and Economy		Economy (3)
	(3)		

MR: Major Required, ME: Major Elective

Faculty

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COLLEGE OF HUMAN ECOLOGY

The College of Human Ecology provides multidisciplinary education, research, and service focused on individuals, families, and their environment for the purpose of meeting the needs of a rapidly changing society, of preparing students for employment with broad career options, and of strengthening communities through the dissemination of knowledge and the provision of professional programs. The college offers a dynamic curriculum, well-qualified faculty, and outstanding facilities for four academic departments: Food Science and Human Nutrition, Child Studies, Fashion Design, and Housing Environmental Design. In addition to undergraduate majors, the college offers Master of Science and Doctor of Philosophy degrees within four majors. The major emphasis of graduate programs in the college is to prepare graduate students for being professionals in research, teaching, leadership, and professional practice.

Department of Child Studies

Homepage: http://he.chonbuk.ac.kr/child/

Phone: 82-(0)63-270-3835

The Department of Child Studies offers a wide range of courses focusing on the development of infants and children within the family, larger peer-group, and school settings. The department also concentrates on a dynamic understanding of various families and interpersonal relationships in a rapidly changing society. The major objective of the department is to prepare students to gain the knowledge required to become educators, leaders, and professionals within the field of child and families. The department offers a dynamic curriculum preparing students to gain two major certifications (i.e., child educare teacher and strong family supporter) accredited by the Ministry of Health and Welfare. Graduates of this department may enter a variety of human service vocations related to the development and functioning of children and families, and/or pursue graduate studies.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-MR	Family Relationship (3) Child Welfare (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	Child Development (3) Child Counseling (3) Art Education for Children (3) Theories of Strong Family (3) Families and Gender (3)	2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Introduction of Early Childhood Education & Care (3) Parent Education (3) Family Policy and Welfare (3) Health Education for Children (3)eng Adolescent Development (3)eng

3-1-ME	Early Childhood Education & Care	3-2-MR	Children's Literature (3)
J I IVIL	Curriculum (3)	3-2-ME	Teaching Math (3)
2 1 145	(1)		
3-1-ME	Language Education for Children(3)eng	3-2-ME	Teacher in Early Childhood
3-1-ME	Music & Movement Education for		Education and Care (3)
	Children (3)	3-2-ME	Field Experience in Healthy Family Services (3)
3-1-ME	Psychological Assessment for Children (3)	3-2-ME	Family Life Education (3)2yr
3-1-ME	Aging and Families (3)eng	3-2-ME	Research Methods in Child and
	Counseling with Adolescents (3)		Family Studies (3)
			Play Therapy (3)
4-1-ME	Observation of Children's Behavior (3)	4-2-ME	Practicum in Early Childhood
4-1-ME	Development of Teaching Materials (3)eng		Education & Care (3)
4-1-ME	Children's Play (3)	4-2-ME	Infant Development (3)
4-1-ME	Family Counseling (3)	4-2-ME	Art Therapy (3)2yr
4-1-ME	Mental Heath (3)	4-2-ME	Guidance for Children's Daily Life (3)2yr
		4-2-ME	Couple Education(3)

MR: Major Required, ME: Major Elective, eng: given in English, 2yr: provided every two years

Faculty

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Department of Fashion Design

Homepage: http://he.chonbuk.ac.kr/fashion

Phone: 82-(0)63-270-3845

The Department of Fashion Design helps students understand the relationship between human beings and their environment by studying Fashion Design. The sphere of study can be divided into two subjects: one researches textile materials for clothing, and the other designs and constructs clothing on the basis of human ergonomics. Students learn how to express their creativity and reflect the breadth of opportunities available in the vibrant, ever-changing fashion industry. Students also analyze the consumption and distribution of clothing by applying lifestyle analysis to our daily lives.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Human Body & Clothing (3)
2-1-MR	Introduction to Fiber Science (3)	2-2-MR	Fashion Design (3)
2-1-MR	Clothing Construction Design (3)	2-2-ME	History of Western Costume (3)
2-1-ME	Design & Color (3)	2-2-ME	Western Clothing Construction Practice 1 (3)
2-1-ME	Apparel Production System (3)	2-2-ME	Computer-Aided Design & Practice 2 (3)
2-1-ME	Fashion Illustration 1 (3)	2-2-ME	Fashion Marketing (3)
2-1-ME	Computer-Aided Design & Practice 1 (3)	2-2-ME	Textile Design (3)
		2-2-ME	Instructional Theories of Clothing (3)
3-1-MR	Korean Costume Construction (3)	3-2-MR	Global Fashion Business (3)
3-1-ME	Fashion Illustration 2 (3)	3-2-ME	Art Dyeing & Weaving (3)
3-1-ME	Western Clothing Construction Practice 2 (3)	3-2-ME	History of Korean Costume (3)
3-1-ME	Fashion Merchandising (3)	3-2-ME	Draping Practice 2 (3)
3-1-ME	Fabric Science (3)	3-2-ME	Fashion Accessory Design (3)
3-1-ME	Draping Practice 1 (3)	3-2-ME	Fashion Portfolio (3)
3-1-ME	Teaching Methods&Materials of Clothing (3)	3-2-ME	Principles and Essay for Clothing (2)
4-1-ME	Traditional Dress Design (3)	4-2-ME	Apparel Design (3)
4-1-ME	Costume Aesthetics (3)	4-2-ME	Textile Testing (3)
4-1-ME	New Fabric Development (3)	4-2-ME	Origination Costume (3)
4-1-ME	Construction of Special Costume (3)	4-2-ME	Fashion Retailing Channels (3)
4-1-ME	Fashion Brand Management workshop (3)	4-2-ME	Fashion Venture (3)
4-1-ME	Social Psychology of Clothing (3)		

MR: Major Required, ME: Major Elective

Faculty

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· Lee, Hyo-jin, Ph.D. Professor, History of Western Costume, lehyojin@chonbuk.ac.kr, 270-3848

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Department of Food Science and Human Nutrition

Homepage: http://he.chonbuk.ac.kr/eng/b001.html

Phone: 82-(0)63-270-3855

The Department of Food Science and Human Nutrition is an excellent field for you if you have a strong aptitude for science and an interest in food, nutrition, and people. There has been a constant demand for dieticians, nutrition teachers, nutritional scientists, and food specialists combating the problems associated with the need for food by people of all ages. Recently this demand has been intensified by a growing awareness of the relationships of food and nutrition to health and well-being. The department offers a health-related curriculum focusing on normal, therapeutic and administrative dietetics, and the important roles that nutrition plays in mental and physical well-being.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Organic Chemistry (3)
2-1-MR	Biochemistry (3)	2-2-MR	Human Physiology 2 (3)
2-1-MR	Food Chemistry 1 (3)	2-2-ME	Food Microbiology (3)
2-1-ME	Human Physiology 1 (3)	2-2-ME	Biostatistics (3)
2-1-ME	Principles of Food Preparation & Practice (3)	2-2-ME	Food Chemistry 2 (3)
		2-2-ME	Nutritional Biochemistry (3)
		2-2-ME	Principles of Food Preparation & Practice in
			Western Cuisine (3)
3-1-MR	Basal Nutrition (3)	3-2-ME	Advanced Nutrition (3)
3-1-ME	Meal Management (3)	3-2-ME	Food Service Administration (3)
3-1-ME	Food Microbiology Lab. (2)	3-2-ME	Food Processing & Preservation (3)
3-1-ME	Food Analysis Lab. (3)	3-2-ME	Experimental Food Preparation & Sensory
3-1-ME	Food Hygiene (3)		valuation (3)
3-1-ME	Nutritional Biochemistry Lab. (2)	3-2-ME	Nutritional Assessment & Practice (3)
		3-2-ME	Clinical Nutrition (3)
4-1-ME	Functional Foods & Nutrition (3)	4-2-ME	Personnel Management of Food Service (3)
4-1-ME	Institutional Food Service Management (3)	4-2-ME	Molecular Nutrition (3)
4-1-ME	Nutrition through the Life Cycle (3)	4-2-ME	Meal Culture & Culinary (2)
4-1-ME	Diet Therapy & Practice (3)	4-2-ME	Seminar in Bio-materials Industry (3)
4-1-ME	Laws Relating Food Hygiene (2)	4-2-ME	Seminar in Foods & Nutrition (2)
4-1-ME	Practice in Nutritional Education and Counselling	4-2-ME	Supervised Fieldwork for Dietitians (2)
	(3)	4-2-ME	Nutritional Lab. (2)
4-1-ME	Food Preparation and Culinary (2)	4-2-ME	Community Nutrition (3)

MR: Major Required, ME: Major Elective

• Faculty

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· Kim, Sook-bae, Ph.D.	Professor, Nutritional Physiology, Nutritional Education, sbkim@jbnu.ac.kr, 270-3823
· Rho, Jeong-ok, Ph.D.	Professor, Food service Management, jorho@jbnu.ac.kr, 270-4135
· Baik, Sang-ho, Ph.D.	Associate professor, Applied Microbiology and Enzymology, baiksh@jbnu.ac.kr, 270-3857
· Jung, Hyun-ah, Ph.D.	Assistant professor, Analysis of food and nutrition, jungha@jbnu.ac.kr, 270-4882

Department of Housing Environmental Design

Homepage: http://he.chonbuk.ac.kr/home

Phone: 82-(0)63-270-3632

The Department of Housing Environmental Design was newly established in 2008 and explores the creation of 21st century housing spaces from the perspective of human beings and their environments. The department provides learning experiences that focus on solving problems in the processes of planning, design, and management of the physical living environments whilst adopting a sustainable culture and nature-friendly approach. The department also takes the lead in increasing understanding and productivity in the development and construction of wood materials.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-ME	House Planning (3)	2-2-ME	Human Technology (3)
2-1-ME	Introduction to Housing Construction (3)	2-2-ME	Housing & Market Research (3)
2-1-ME	House Plan and Drawing (3)	2-2-ME	Digital House Plan Practice (6)
2-1-ME	Study on Healthy Housing (3)	2-2-ME	Residential Design Practice (6)
2-1-ME	Principles of Interior Design (3)	2-2-ME	DIY Furniture Practice (6)
2-1-ME	Wood Anatomy and Interior Design (3)	2-2-ME	Wood Physics Related to Housing (3)
3-1-ME	Western House and Interior Style (3)	3-2-ME	Introduction to Korean Housing (3)
3-1-ME	Housing Management and Facilities (3)	3-2-ME	Human Welfare (3)
3-1-ME	Interior Adhesion & Furnishings (3)	3-2-ME	Codes of Interior Building (3)
3-1-ME	Interior Color & Coordination Practice (6)	3-2-ME	Paper Processing and Interior Design (3)
3-1-ME	Preservation of Environment Materials & Practice	3-2-ME	Wooden Building Construction Studio & Practice
	(3)		(6)
3-1-ME	Housing Material Mechanics (3)	3-2-ME	Eco-materials & Practice (3)
4-1-ME	Space Design Based Culture (3)	4-2-ME	Cost Estimation Interior Building (3)
4-1-ME	Indoor Environment (3)	4-2-ME	Introduction to Interior Materials and processing
4-1-ME	Interior Design & Environmental Psychology (3)		(3)
4-1-ME	Furniture Design & Manufacturing (3)	4-2-ME	Design of Multi-family Housing Complex &
4-1-ME	Introduction to Wooden Building Construction (3)		Community (3)
4-1-ME	Graduation Project (3)	4-2-ME	Floor Design & Construction (3)
		4-2-ME	Space Design in Special Residences (3)
		4-2-ME	Issues in Space Design (3)

MR: Major Required, ME: Major Elective

Faculty

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Choi, Byung-sook, Ph.D.
Associate Professor, Housing & Interior Design, housecbs@jbnu.ac.kr, 270-3840

COLLEGE OF LAW

Department of Law

Homepage: http://law.chonbuk.ac.kr

Phone: 82-(0)63-270-2656, Fax: 82-(0)63-270-4583

The College/Department of Law, established in 1951, is primarily designed to help students realize social justice through the development of a legal mind. The department is also aimed at guiding students to serve the interest of the nation as well as the community. Students are encouraged to play a leading role in the age of globalization through methods of education that include basic theoretical studies as well as training in practical application. The department is equipped with various facilities to assist students' studies and provide convenience, it also encourages students to join various clubs for studying the field in an extra-curricula environment. The newly constructed Law School Building (Jinsu-Dang) is well-equiped with ultramodern facilities including an international conference hall, spacious lecture halls, a fitness center, a nursing room as well as moot courtrooms that are all fully equipped with the latest automatic equipment and network infrastructure. The department provides instructional programs of basic laws that develop the best kind of legal mind and competence necessary for students to become excellent lawyers and judges.

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	General Principles of Civil Law (4)	1-2-MR	Constitutional Law 1 (3)
1-1-ME	History of Legal Thoughts (3)	1-2-MR	Generals of Law of Obligation (4)
		1-2-ME	Legal History (3)
2-1-MR	Constitutional Law 2 (3)	2-2-MR	Law of Property (3)
2-1-MR	Particulars of Law of Obligations (3)	2-2-MR	General Principles of Criminal Law 2 (2)
2-1-MR	General Principles of Criminal Law 1 (3)	2-2-MR	General Principles of Administrative Law (3)
2-1-MR	General Principles of Commercial Law (3)	2-2-MR	Law of Corporations (3)
2-1-ME	International Law 1 (3)	2-2-ME	Constitutional Law 3 (3)
3-1-MR	Particulars of Criminal Law 1 (3)	3-2-ME	Family Law (3)
3-1-MR	Legal System of Administrative Remedies (3)	3-2-ME	Particulars of Criminal Law 2 (3)
3-1-MR	Law of Commercial Papers (3)	3-2-ME	Particulars of Administrative Law (3)
3-1-MR	Civil Procedure Law 1 (3)	3-2-ME	Law of Insurance & Maritime (3)
3-1-MR	Criminal Procedure Law 1 (3)	3-2-ME	Civil Procedure Law 2 (3)
3-1-ME	Labor Law (3)	3-2-ME	Criminal Procedure Law 2 (3)
3-1-ME	Conflict of Laws (3)	3-2-ME	Law of International Transaction (3)
3-1-ME	Economic Law (3)	3-2-ME	Consumer Law (3)
3-1-ME	Law of Intellectual Property (3)	3-2-ME	Generals of Tax Law (3)
		3-2-ME	Legal Philosophy 1 (3)
		3-2-ME	Sociology of Law (3)

4-1-ME	Seminar in Civil Law (3)	4-2-ME	Local Government Law (3)
4-1-ME	Social Security Law (3)	4-2-ME	Seminar in Commercial Law (3)
4-1-ME	Particulars of Tax Law (3)	4-2-ME	Seminar in Criminal Procedure Law (3)
4-1-ME	Legal Philosophy 2 (3)	4-2-ME	Seminar in International Law (3)
4-1-ME	Legal Conversation Practice (3)	4-2-ME	Seminar in Labor Law (3)
4-1-ME	Seminar in Constitutional Law (3)	4-2-ME	Environmental Law (3)
4-1-ME	Seminar in Administrative Law (3)	4-2-ME	Japan Society and Law (3)
4-1-ME	Seminar in Criminal Law (3)	4-2-ME	Understanding Chinese Law (3)
4-1-ME	Seminar in Civil Procedure Law (3)	4-2-ME	Understanding Western Law (3)

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•	
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COLLEGE OF NATURAL SCIENCES

Excellence in basic science research and education is one of the most important parts for the development of modern university and for the competitive power of the nation. Responding to such needs, the College of Natural Sciences was recently reformed to consist of three Divisions (Division of Biological Science, Division of Science and Technology, and Division of Mathematics and Statistical Informatics), three departments (Department of Science Studies, Department of Semiconductor Science and Technology, and Department of Sports Science), and one Premedical Program (Pre-Veterinary Studies). With ninety-seven full-time faculty members, the research capability of the College is enriched by four research institutes such as the Institute for Basic Research, the Institute for Molecular Biology and Genetics, the Institute for Bio-diversity Research, and the Semiconductor Physics Research Center, With faculty members working together to remove the traditional walls between colleges and departments, the academic activities in the basic science area of the College have become very competitive as evidenced by the verdicts of departmental reviews carried out over recent years.

Department of Biological Sciences

Homepage: http://bio.jbnu.ac.kr Phone: 82-(0)63-270-3351

The twenty-first century is the age of biological science. This means that the biological sciences will be the most important key in clarifying the various phenomena of life based on the knowledge accumulated in other the natural sciences such as physics, chemistry, and mathematics. Biological science has prospered in recent years in accordance with technological advances such as the determination of DNA sequences. Today, it continues to grow as a powerful tool in researching the peculiarities of life.

The undergraduate curriculum specializes in biology and molecular biology. In addition, the faculty works with the National Research Laboritory, and participates in research for the industrial development of bio-food materials as well as in projects granted by the Ministry of Environment, the Korea Food & Drug Administration, and the Korea Forest Service etc.

The Division was nationally recognized for its excellence in education by the Korean Council for University Education in 1994 and its related institutes at CBNU are the Institute for Biodiversity Research and the Radiation Safety Center.

Our goal is to understand the basic processes of life, the fundamental knowledge of which will provide broad applications in medical, industrial and environmental research and business.

Year	Course (Credit)	Year	Course (Credit)
	Cell Biology (3) Plant Taxonomy & Lab. (3)		Biological chemistry 2 (3) Ecology (3)

2-1-ME 2-1-ME 2-1-ME 2-1-ME	Animal Taxonomy & Lab. (3) Genetic & Lab. (3) Biological chemistry 1 (3) Organic Chemistry (3)	2-2-ME 2-2-ME 2-2-ME 2-2-ME	Biostatistics (3) Microbiology & Lab. (3) Economic Biology (3) Enzymology (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Plant Physiology & Lab. (3) Animal Physiology & Lab. (3) Fermentation (3) Molecular Biology & Lab. (3) Evolutionary Biology (3) Virology (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Immunology (3) Neurology (3) Applied Microbiology (3) Celluar Genetics (3) Plant Morphology & Lab. (3) Animal Morphology & Lab. (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Plant Tissue Culture (3) Paleobiology (3) Conservation Biology (3) Animal Embryology (3) Human Genetics (3) Mycology & Lab. (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME 4-2-ME	Cryptogamic Botany (3) Plnat Embryology (3) Protein Sciences (3) Environmental Biology (3) Radiation Biology (3) Biology of Sex (3)

Faculty

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Department of Chemistry

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The Department of Chemistry offers bachelor's, master's, and Ph.D. degrees with specialization in all areas including analytical, inorganic, organic, physical, biochemistry, and nanochemistry. The department currently has 14 tenure track faculty members, over 30 graduate students and over 320 undergraduate students. The faculty staff not only excel in teaching and research but are also dedicated to advising and

actively participating in the guidance of students. The curriculum of the department provides students with the skills and knowledge that allow them to succeed in the challenging job market. A significant number of our undergraduates participate in the undergraduate research program, which provides a strong foundation for jobs in industry or for study at graduate schools.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-ME	General Chemistry Exercise 1 (1)	1-2-ME	General Chemistry Exercise 2 (1) Mathematics for Science (3)
2-1-MR	Thermodynamics (3)	2-2-MR	Organic Chemistry 2 (3) Analytical Chemistry 2 (3)
2-1-ME	Introduction to Modern Chemistry (2) Organic Chemistry 1 (3) Analytical Chemistry 1 (3) Analytical Chemistry Lab. (3)	2-2-ME	Literature Research and Presentation in Chemistry (2) Organic Chemistry Lab. (3) Physical Chemistry 1 (3)
3-1-MR	Physical Chemistry 2 (3)	3-2-MR	Inorganic Chemistry 2 (3) Biochemistry 1 (3)
3-1-ME	Inorganic Chemistry 1 (3) Organic Chemistry 3 (3) Instrumental Analysis (3) Physical Chemistry Lab. (3) Spectroscopic Structure Analysis (3) Theory of Science Education (3)	3-2-ME	Inorganic Chemistry Lab. (3) Organic Synthesis (3) Instrumental Analysis Lab. (3) Studies on Teaching Materials & Methods in Science (3)
4-1-ME	Polymer Chemistry (3) Biochemistry 2 (3) Biochemistry Lab. (3) Introduction to Modern Chemical Instruments (3) Seminar 1 (1) Research Projects in Chemistry (3) Theory of Logic & Essay in Science (2)	4-2-ME	Physical Organic Chemistry (3) Nano and Interfacial Chemistry (3) Medicinal and Nanobiochemistry (3) Seminar 2 (1) Undergraduate Research in Chemistry (3) Senior Laboratory Projects (3)

MR: Major Required, ME: Major Elective

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Department of Earth & Environmental Sciences

Homepage: http://magma.jbnu.ac.kr

Phone: 82-(0)63-270-3393

The Department of Earth & Environmental Sciences strives for a multidisciplinary and integrated study of earth and environmental sciences by considering physical, chemical, biological, mathematical, and statistical computer science approaches.

Year	Course (Credit)	Year	Course (Credit)
1-1 (General education Requirement)	General Earth and Envionmental Sciences & Lab I (3)	1–2 (General education Requirement)	General Earth and Envionmental Sciences & Lab II (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME 2-1-ME	Petrology & Lab. (3) Resources and Earth Environment Practice (3) Mathematics for Geologists (3) Evolution of the Earth (3) Gems and Minerals & Practice (3) Sedimentology & Lab. (3)	2-2-MR 2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Geophysics & Lab. (3) Mineralogy & Lab. (3) Environmental Geology (3) Environmental Geochemistry & Lab. (3) Microscopic Petrology & Lab. (3) Plate Tectonics (3)
3-1-MR 3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Field Practice of Earth Environment 1 (3) Paleontology & Lab. (3) Engineering Geology & Practice (3) Structural Geology & Practice (3) Water Analysis & Lab. (3) Environmental geohydrology &Lab. (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Field Practice of Earth Environment 2 (3) Soil Analysis & Lab. (3) Applied Mineral Science & Lab. (3) Economic Geology & Lab. (3) Geophysical Exploration & Practice (3) Thesis Study in Earth and Environmental Sciences 1 (1)
4-1-ME	Rock Mechanics (3)	4-2-ME	Petroleum Geology & Practice (3)

4-1-ME	Environmental Geophysics & Lab. (3)	4-2-ME	Remote Sensing & Practice (3)
4-1-ME	Thesis Study in Earth and Environmental	4-2-ME	Earth System Science (3)
	Sciences 2 (1)	4-2-ME	Historical Geology (3)
4-1-ME	Evaluation of Environmental Impact (3)	4-2-ME	Seminar in Earth and Environmental Sciences 2
4-1-ME	Geology of Korea (3)		(1)
4-1-ME	Seminar in Earth and Environmental Sciences 1	4-2-ME	Paleoecology (3)
	(1)		
4-1-ME	Economic Geology & Lab. (3)		

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Department of Mathematics

Homepage: http://math.jbnu.ac.kr

Phone: 82-(0)63-270-3364

The Department of Mathematics is a community of scholars committed to excellence in both education and research. Our faculty members have published excellent research papers whilst concentrating on education not only in the major areas of pure mathematics, but also in the application of mathematics to other sciences. Our department has a reputation for high quality teaching, successful innovation in education and cutting-edge research. The Department of Mathematics prides itself as a faculty exceptional in both teaching and research.

The undergraduate program in the Department of Mathematics provides all kinds of subjects in mathematics such as algebra, analysis, geometry, topology and applied mathematics.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Set Theory (3)
2-1-MR 2-1-MR 2-1-MR 2-1-ME	Group Theory 1 (3) Complex Analysis 1 (3) Introduction to Topology 1 (3) Linear Algebra 1 (3)	2-2-ME 2-2-ME 2-2-ME 2-2-ME	Group Theory 2 (3) Complex Analysis 2 (3) Introduction to Topology 2 (3) Linear Algebra 2 (3)

2-1-ME	Introduction to Analysis 1 (3)	2-2-ME 2-2-ME	Introduction to Analysis 2 (3) History of Mathematics (3)
3-1-MR	Real Analysis 1 (3)	3-2-ME	Real Analysis 2 (3)
3-1-MR	Differential Geometry 1 (3)	3-2-ME	Differential Geometry 2 (3)
3-1-MR	Ring Theory 1 (3)	3-2-ME	Ring Theory 2 (3)
3-1-ME	Functions of Several Variables 1 (3)	3-2-ME	Functions of Several Variables 2 (3)
3-1-ME	Number Theory 1 (3)	3-2-ME	Number Theory 2 (3)
3-1-ME	Topology (3)	3-2-ME	Introduction to Algebraic Topology (3)
4-1-ME	Field Theory 1 (3)	4-2-ME	Field Theory 2 (3)
4-1-ME	Module Theory (3)	4-2-ME	Discrete Mathematics (3)
4-1-ME	Manifold Theory (3)	4-2-ME	Hyper Space Theory and Exercise (3)
4-1-ME	Geometry and Exercise 1 (3)	4-2-ME	Geometry and Exercise 2 (3)
4-1-ME	Applied Analysis (3)	4-2-ME	Numerical Analysis (3)
4-1-ME	Differential Equation and Exercise (3)	4-2-ME	Foundation of Financial Mathematics (3)

Faculty

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Department of Molecular Biology

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The twenty-first century is the age of biological science. This means that the biological sciences will be the most important key in clarifying the various phenomena of life based on the knowledge accumulated in other the natural sciences such as physics, chemistry, and mathematics. Biological science has prospered in recent years in accordance with technological advances such as the determination of DNA sequences. Today, it continues to grow as a powerful tool in researching the peculiarities of life.

To keep up with this forward-looking demand, the department of molecular biology consists of 7 distinguished department members, and graduate programs that have been supported by the Brain Korea 21 fund which is a government program that contributes to the states competitive power in the twenty-first century.

In addition, the faculty possesses National Research Laboratory, and participates in both research for industrial development of biofood materials and in projects granted by Ministry of Commerce, Industry, and Energy. The faculty of biological sciences was declared an 'excellent department' by Korean Council for University Education in 1994 and works with related institutes in Chonbuk National University: the Institute of Basic Science and the Institute for Molecular Biology and Genetics to provide the best research and learning environment.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Organic Chemistry (3)	2-2-MR	Genetics (3)
2-1-MR	Cell Biology (3)	2-2-MR	Biological Chemistry (3)
2-1-ME	Taxonomy (3)	2-2-ME	Microbiology (3)
2-1-ME	Evolution (3)	2-2-ME	Ecology (3)
2-1-ME	Biostatistics (3)	2-2-ME	Neurology(3)
3-1-MR	Molecular Biology 1 (3)	3-2-MR	Molecular Biology 2 (3)
3-1-MR	Cell Physiology (3)	3-2-MR	Biotechnology (3)
3-1-ME	Animal Embryology (3)	3-2-ME	Animal Physiology (3)
3-1-ME	Bioinformatics (3)	3-2-ME	Immunology (3)
3-1-ME	Plant Molecular Biology (3)	3-2-ME	Enzymology (3)
3-1-ME	Physiological Biochemistry Lab. (3)	3-2-ME	Plant Embryology (3)
3-1-ME	Genetics and Cell Biology Lab. (3)	3-2-ME	Bioinorganic Chemistry (3)
		3-2-ME	Molecular Biology Lab. (3)
4-1-ME	Applied Biology (3)	4-2-ME	Genomics (3)
4-1-ME	Molecular Genetics (3)	4-2-ME	Nucleic Acid Biochemistry (3)
4-1-ME	Applied Microbiology (3)	4-2-ME	Physical Biochemistry(3)
4-1-ME	Fermentation Biology (3)	4-2-ME	Mycology (3)
4-1-ME	Virology (3)	4-2-ME	Molecular Gastronomic Sitology (3)
4-1-ME	Thesis Study 1 (1)	4-2-ME	Thesis Study 2 (1)

MR: Major Required, ME: Major Elective

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Department of Physics

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Phone: 82-(0)63-270-3321

The Department of Physics offers a wide range of curricula and research opportunities to prepare students to be competitive in a variety of careers in science and engineering. The Department currently has 15 faculty members engaged in various areas of research including condensed matter, statistical physics, optics, and particle physics. At present the Department has two research institutes: the Institute of Photonics and Information Technology, a core research center designated by Korea Research Foundation, and the Institute of Physics and Chemistry, the Physics-Chemistry joint research institute.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Mathematics for Science (3)
2-1-MR	Mechanics 1 (3)	2-2-ME	Electromagnetism 1 (3)
2-1-MR	Modern Physics (3)	2-2-ME	Mechanics 2 (3)
2-1-ME	Electronic Data Processing 1 (3)	2-2-ME	Electronic Data Processing 2 (3)
2-1-ME	Mathematical Physics 1 (3)	2-2-ME	Mathematical Physics 2 (3)
2-1-ME	Computational Physics & Practice (3)		
3-1-MR	Research Topics 1 (3)	3-2-MR	Thermal and Statistical Physics 1 (3)
3-1-MR	Electromagnetism 2 (3)	3-2-MR	Quantum Physics 2 (3)
3-1-ME	Quantum Physics 1 (3)	3-2-ME	Research Topics 2 (3)
3-1-ME	Optics & Lab. 1 (3)	3-2-ME	Optics & Lab. 2 (3)
3-1-ME	Applied Physics & Experiments 1 (3)	3-2-ME	Applied Physics & Experiments 2 (3)
		3-2-ME	Introduction to Solid State Physics 1 (3)
4-1-ME	Research Topics 3 (3)	4-2-ME	Research Topics 4 (3)
4-1-ME	Physics Colloquium 1 (2)	4-2-ME	Physics Colloquium 2 (2)
4-1-ME	Special Topics in Physics 1 (3)	4-2-ME	Special Topics in Physics 2 (3)
4-1-ME	Theory of Relativity (3)	4-2-ME	Introduction to Nano Physics (3)
4-1-ME	Thermal and Statistical Physics 2 (3)	4-2-ME	Introduction to Radiation Physics (3)
4-1-ME	Introduction to Solid State Physics 2 (3)	4-2-ME	Introduction to Nuclear & Particle Physics (3)
4-1-ME	Introduction to Photonics (3)		
4-1-ME	Introduction to Semiconductor Physics (3)		

MR: Major Required, ME: Major Elective

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Department of Science Studies

Homepage: http://ss.chonbuk.ac.kr

Phone: 82-(0)63-270-3433

The Department of Science Studies, established in 1995, is the only institution of its type with an undergraduate program in Korea. The department warmly welcomes those who are interested in the historical, philosophical, and social aspects of science and technology in the evolution of human society. The department is affiliated with the Science Culture Research Center which is funded by the Ministry of Education, Science and Technology. We are very proud of our friendly atmosphere, enthusiastic students, and energetic faculty members.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Historical Understanding of Science & Technology (3) Philosophical Understanding of Science & Technology (3)

2-1-MR 2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	Philosophy of Natural Science (3) Scientific Heritage in Korea (3) Science & Technology and Art (3) Science Technology and Communication (3) Scientists Community (3) The Origins of Modern Science (3)	2-2-MR 2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Philosophy of Technology (3) History of Modern Science (3) Scientific-Social Controversies (3) Career Design in Science Studies (3) History of Science & Technology in East Asia (3) Philosophy of Contemporary Science (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Development of Science in Modern Korea (3) Science & Technology and Ethics (3) Science & Technology Policy (3) Reading in History of Science (3) History of Physical Science (3) Sociology of Bio-Medical Science (3)	3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Sociology of Science & Technology (3) Science & Technology and Human (3) Philosophy of Digitalmedia (3) History of Life Science & Medicine (3) Korea Scientists Studies (3) History of Modern Physics (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME 4-1-ME	Special Topics in Science Studies (3) Study of Science Culture (3) Policy of Philosophy of Science (3) Technology and Civilization (3) History of Mathematical Science (3) Scientific and Technological Revolution in Korea (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME	Science, Technology and Innovation (3) Seminar in Science Studies (3) Global Transmission of Science and Technology (3) Research of Science & Technology Policy in Korea (3)

• Faculty

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	Associate Professor, History of Science/Science Policy, eklee@chonbuk.ac.kr, 270-3432
• •	Associate Professor, Philosophy of Culture and Technology, shimhr@chonbuk.ac, kr, 270-3426

Assistant Professor, History of Science, jwon@jbnu.ac.kr, 270-3331

Department of Semiconductor Science & Technology

Homepage: http://semi.chonbuk.ac.kr

Phone: 82-(0)63-270-3971

· Jung Won, Ph.D.

The Department of Semiconductor Science & Technology, established in 2002, offers courses about the basics of semiconductor science and technology. It prepares students to pursue careers as researchers in graduate schools and research institutions, or as engineers in the semiconductor industry. The department is also affiliated with the Semiconductor Physics Research Center, which was recognized in 1990 as one

of the thirteen Research Centers of Excellence by the Korea Science and Engineering Foundation. The center has been active in research of semiconductor science and technology, becoming widely known as one of the leading research centers in the world in this field. The department and the center have been promoting interdisciplinary collaboration among researchers in physics, electrical and electronic engineering, materials engineering, chemistry, and chemical engineering.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Semiconductor Engineering (3)	2-2-MR	Semiconductor Physics 1 (3)
2-1-ME	Electromagnetism 1 (3)	2-2-ME	Thermodynamics (3)
2-1-ME	Modern Physics (3)	2-2-ME	Introduction to New and Renewable Energy (3)
2-1-ME	Optics and Lab. (3)	2-2-ME	Electromagnetism 2 (3)
2-1-ME	Applied Mathematics 1 (3)	2-2-ME	Applied Mathematics 2 (3)
2-1-ME	Digital Engineering (3)	2-2-ME	Circuit Theory 1 (3)
3-1-MR	Semiconductor Devices (3)	3-2-MR	Semiconductor Process Lab. 1 (3)
3-1-ME	Electric Circuit 1 and Lab. (3)	3-2-ME	Electronic Circuit 2 (3)
3-1-ME	Semiconductor Physical Property Lab.(3)	3-2-ME	Introduction to Solid State Physics (3)
3-1-ME	New and Renewable Energy Lab. (3)	3-2-ME	Display Engineering (3)
3-1-ME	Introduction to Quantum Mechanics 1 (3)	3-2-ME	Introduction to Quantum Materials 2 (3)
3-1-ME	Semiconductor Physics 2 (3)	3-2-ME	Material Growth of Solar Cell Semiconductors (3)
4-1-ME	Semiconductor Process Lab. 2 (3)	4-2-ME	Introduction to Solar Cell Materials (3)
4-1-ME	Semiconductor Device Design and Lab. (3)	4-2-ME	Semiconductor Colloquium 2 (2)
4-1-ME	Semiconductor Colloquium 1 (2)	4-2-ME	Field Practice/Research Project 2 (2)
4-1-ME	Field Practice/Research Project 1 (2)	4-2-ME	Semiconductor Sensor (3)
4-1-ME	Introduction to Nanotechnology (3)	4-2-ME	Integrated Circuit (3)
4-1-ME	Circuit Theory 2 (3)	4-2-ME	Numerical Analysis (3)
		4-2-ME	Management of Technology (3)

MR: Major Required, ME: Major Elective

•	
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· Kim, Hyun-Soo, Ph.D.	Assistant Professor, Photonic Semiconductor Devices, hskim7@jbnu.ac.kr, 270-3974

Department of Sport Science

Homepage: http://home.chonbuk.ac.kr/prevet

Phone: 82-(0)63-270-2819

The Department of Sport Science, established in 2000, trains students through diverse programs in order to make them sports and exercise specialists. Student prepare to become local and national leaders providing high-skill instruction for athletes, health education, and sports management.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Sport Anatomy (3)	1-2-MR	Sport Physiology (3)
		1-2-ME	Table Tennis 1 (1)
		1-2-ME	Ski 1 (1)
		1-2-ME	Advanced Sports Activity 1 (1)
2-1-MR	Badminton 1 (1)	2-2-MR	Sport Management (3)
2-1-MR	Golf (1)	2-2-ME	Sport Biochemistry (3)
2-1-MR	Swimming 1 (1)	2-2-MR	Sport Sociology (3)
2-1-ME	Sport Psychology (3)	2-2-ME	Track & Field (1)
2-1-ME	Sport & Health (3)	2-2-ME	Golf 2 (1)
2-1-ME	Sport Nutrition (3)	2-2-ME	Weight Training 1 (1)
2-1-ME	Table Tennis 2 (1)	2-2-ME	Advanced Sports Activity 2 (1)
2-1-ME	Aerobic (1)	2-2-ME	Practice on Sports for All (3)
3-1-MR	Sport Biomechanics (3)	3-2-MR	Motor Learning & Control (3)
3-1-ME	Sports Marketing (3)	3-2-MR	Theory on Sport Job Search (2)
3-1-ME	Theory of Leisure Sport (3)	3-2-ME	Theory of Sport Facilities & Management (3)
3-1-ME	Badminton 2 (1)	3-2-ME	Sport Skill Analysis (3)
3-1-ME	New Sports (1)	3-2-ME	Test & Prescription of Exercise (3)
3-1-ME	English on Sport (3)	3-2-ME	Practice on Sport Rehabilitation (1)
3-1-ME	Bowling 1 (1)	3-2-ME	Swimming 2 (1)
3-1-ME	Ocean Sports (1)	3-2-ME	First Aid (1)
3-1-ME	Gymnastics (1)	3-2-ME	Advanced Sports Activity 3 (1)
4-1-ME	Coaching Theory (3)	4-2-ME	Exercise & Aging (3)
4-1-ME	Measurement & Evaluation of P.E (3)	4-2-ME	Training Methodology (3)
4-1-ME	Sport Medicine (3)	4-2-ME	Adapted Physical Education (3)
4-1-ME	Theory of Sport Industry (3)	4-2-ME	Sport Tourism (3)
4-1-ME	Theory of Motor Development (3)		
4-1-ME	Squash (1)		

MR: Major Required, ME: Major Elective

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- · Kim, Jae-cheol, Ph.D. Associate Professor, Sport Biochemistry, kjc@chonbuk.ac.kr, 270-2863

· Han, Dong-wook, Ph.D. Assistant Professor, Sport Psychology-Motor Learning & Development, handw@jbnu.ac.kr, 270-2828

Department of Statistics

Homepage: http://stat.jbnu.ac.kr Phone: 82-(0)63-270-3380

The Department of Statistics was established in 1977 to meet the social and academic demand for quantitative theories and methods to handle various forms of data collected around world. The name of the department was changed from Statistical Informatics and the department now address the challenges of an overloaded information society, which necessitates focusing on the computational aspects of data analysis.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME	Practical use of Computer (3)
2-1-MR	Probability Theory (3)	2-2-MR	Mathematical Statistics (3)
2-1-MR	Computer language (3)	2-2-MR	Regression Analysis (3)
2-1-ME	Mathematics for Statistics (3)	2-2-ME	Experimental Design (3)
2-1-ME	Application of Statistical Package (3)	2-2-ME	Social Survey methods (3)
2-1-ME	Exploratory Data Analysi (3)	2-2-ME	Multimedia Tool Application(3)
3-1-MR	Time Series Analysis (3)	3-2-ME	Sampling Theory (3)
3-1-MR	Statistical Database (3)	3-2-ME	Biostatistics (3)
3-1-ME	Regression Analysis application(3)	3-2-ME	Applied Time Series (3)
3-1-ME	Fundamental Stochastic Processes(3)	3-2-ME	The theory of property insurance (3)
3-1-ME	Actuarial Mathematics (3)	3-2-ME	Financial Statistics (3)
3-1-ME	Financial Mathematics (3)		
4-1-ME	Multivariate Statistical Analysis (3)	4-2-ME	Statistical Quality Management (3)
4-1-ME	Financial Engineering (3)	4-2-ME	Official Statistics (3)
4-1-ME	Decision Theory (3)	4-2-ME	History of Statistics (3)
4-1-ME	Financial Numerical Analysis (3)	4-2-ME	Financial Data Analysis (3)
4-1-ME	Data Mining (3)		

MR: Major Required, ME: Major Elective

Faculty

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· Chung, Sung-suk, Ph.D. Professor, Non-parametric Curve Estimation, sschung@jbnu.ac.kr, 270-3390

· Kim, Dae-kyung, Ph.D. Associate Professor, Reliability and Life Testing, dkkim@jbnu.ac.kr,

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· Ahn, Jeong-yong, Ph.D. Associate Professor, Statistical Computing, jyahn@jbnu.ac.kr, 270-3392

· Choi, Hye-mi, Ph.D. Assistant Professor, Non-parametric Statistics, hchoi@jbnu.ac.kr, 270-3391

COLLEGE OF NURSING

Department of Nursing

http://nursing.jbnu.ac.kr/

phone: 82-(0)63-270-3104, 4682

The College/Department of Nursing aims to improve the health of individuals, families, and the community through excellence in nursing education, research, and service. The undergraduate program prepares students to become professional nurses where their practices reflect humanistic ethics with the knowledge, attitude, and techniques necessary for the maintenance and promotion of health as well as prevention of disease and appropriate rehabilitation. The program stresses the importance of preparing each student to become life-long learners and health professionals who care for their client's health in any health care delivery system. The students are taught to think critically and develop their leadership skills.

Year	Course (Credit)	Year	Course (Credit)
		1-2-MR	Anatomy & Practice (2)
2-1-MR	Physiology & Practice (2)	2-2-MR	Pharmacology & Practice (2)
2-1-MR	Pathology & Practice (2)	2-2-MR	Fundamental Nursing & Practice 2 (3)
2-1-MR	Fundamental Nursing & Practice 1 (2)	2-2-MR	Adult Nursing 1 (3)
2-1-MR	Introduction to Nursing (2)	2-2-MR	Health Assessment & Practice (2)
2-1-MR	Health and Diet (1)	2-2-MR	Women's Health Nursing 1 (2)
		2-2-MR	Practice of Nursing Process (1)
		2-2-MR	Information Science in Nursing(2)
3-1-MR	*Adult Nursing 2 (3)	3-2-MR	Adult Nursing 3 (3)
3-1-MR	*Child Health Nursing 1 (2)	3-2-MR	Child Health Nursing 2 (3)
3-1-MR	*Community Health Nursing 1 (2)	3-2-MR	Community Health Nursing 2 (3)
3-1-MR	Women's Health Nursing 2 (3)	3-2-MR	Adult Nursing Practice 2 (2)
3-1-MR	*Adult Nursing Practice 1 (2)	3-2-MR	Child Health Nursing Practice 2 (1)
3-1-MR	*Child Health Nursing Practice 1 (1)	3-2-MR	Community Health Nursing Practice 2(1)
3-1-MR	*Community Health Nursing Practice 1 (2)	3-2-MR	Women's Health Nursing Practice 2 (1)
3-1-MR	*Women's Health Nursing Practice 1 (1)	3-2-MR	Psychiatric Nursing 1 (2)
3-1-MR	Simulation Lab 1 (1)		
4-1-MR	Adult Nursing 4 (3)	4-1-MR	Nursing Management 2 (2)
4-1-MR	Nursing Management 1 (2)	4-1-MR	Medical Health Law (1)
4-1-MR	*Psychiatric Nursing 2 (3)	4-1-MR	Gerontologic Nursing (2)
4-1-MR	Nursing Research (2)	4-1-MR	*Psychiatric Nursing Practice (2)
4-1-MR	Adult Nursing Practice 3 (2)	4-1-MR	Nursing Management Practice (2)
4-1-MR	Adult Nursing Practice 4 (2)	4-1-MR	Simulation Lab 2 (1)
4-1-ME	CPR (1)	4-1-MR	Comprehensive Practice (2)
4-1-ME	Ethics in Nursing Theory (1)	4-1-ME	Issues on Global Nursing (2)
4-1-ME	Introduction to Health Care Policy and Planning	4-1-ME	Understanding Emergency and Diaster Nursing (2)
	(1)		

4-1-ME 4-1-ME	Infection Control (1) Understanding Critical Care (1)	4-1-ME 4-1-ME	Understanding Clinical Trials (2) EKG and Nursing (1)
4-1-ME	Nursing and Activities of International Health	4-1-ME	Multicultural Nursing (1)
	Organization (1)	4-1-ME	Understanding Oncology Nursing (1)

MR: Major Required, ME: Major Elective, * Required for School Nurse Certificate

• Faculty

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COLLEGE OF PUBLIC SERVICE

COLLEGE OF PUBLIC SERVICE

Homepage: http://cps.jbnu.ac.kr Phone: 82-(0)63-270-4704

The College of Public Service was established at Chonbuk National University with the purpose of cultivating creative talents. It encourages its students to study the fields of humanities, social science, scientific technologies and the arts but also helps students achieve their potential as world leaders in the practices of reading, speaking and writing, based on the Davinchi thinking process.

In order to fulfill the college's purpose, the dean of the public Service faculty and the academic advisors provide personalized guidance to students, encouraging them to discover their own identities. They endeavor to inspire students to combine their own vision, imagination and creativity as well as recognize their roles in creating a better society, nation and world for us to live in. In addition, through volunteer activities and projects, students can define themselves and develop their own views on life.

The College of public service also conducts classes in reading, discussion and debate, and strategic writing in order to help students thoroughly prepare and develop the skills which are required to pass national examinations, entrance examinations for graduate schools and the examinations organized by national companies.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR	Topics in Logical Language (3)
		1-2-ME	Introduction to Law (3)
		1-2-ME	Public Administration (3)
2-1-MR	Administrative Law 1 (3)	2-2-MR	Logic of Situation and Reasoning (3)
2-1-ME	Public Service Aptitude (3)	2-2-ME	Economics (3)
2-1-ME	Civil Law (3)	2-2-ME	Civil Law 2 (3)
2-1-ME	Topics in Data Analysis (3)	2-2-ME	Political Science (3)
2-1-ME	Korean History (3)	2-2-ME	Constitutional Law 2 (3)
2-1-ME	Constitutional Law 1 (3)	2-2-ME	Administrative Law 2 (3)
3-1-ME	International Law (3)	3-2-ME	International Economic Law (3)
3-1-ME	International Political Science (3)	3-2-ME	Urban Administration (3)
3-1-ME	Economic Law (3)	3-2-ME	Introduction to Civil Procedure Law (3)
3-1-ME	Policy Science (3)	3-2-ME	Public Management Information Systems (3)
3-1-ME	Local Administration (3)	3-2-ME	Criminal Procedure Law (3)
3-1-ME	Criminal Law (3)		
4-1-ME	Exercise in Economics (3)	4-2-ME	Seminar in International Law (3)
4-1-ME	Commercial Law (3)	4-2-ME	Seminar for Civil Law (3)
4-1-ME	Seminar in Constitutional Law (3)	4-2-ME	Seminar in Political Science (3)

4-1-ME	Introduction to Criminal Procedure Law (3)	4-2-ME	Seminar for Criminal Law (3)
4-1-ME	Topics in Public Administration (3)	4-2-ME	Seminar in Administrative Law (3)

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COLLEGE OF SOCIAL SCIENCE

The College of Social Science offers programs of courses at varying levels; Bachelor's, Master's, and Doctoral degrees in the disciplines: Mass Communications, Psychology, Political Science, Sociology, Public Administration, and Social Welfare. They explore an individuals mind and behaviors, their social interaction and human culture, and provide students with opportunities to develop skills in analysis and communication. Also, it provides them with a wide range of field experiences and training to help improve their self-management, human relationships, leadership, and adaptability in a rapidly changing information society.

Department of Journalism & Mass Communication

Homepage: http://mass.chonbuk.ac.kr/

Phone: 82-(0)63-270-2952

This department was established in 1988, and has produced over 500 graduates since then. Its firm reputation was recognized in a nationwide departmental assessment in 2002 as being the most distinctive. With a strong faculty, and a well-organized curriculum and educational system this department provides undergraduates with remarkable opportunities for training as competitive media personnel, journalists, broadcast producers, directors and technicians, and advertising and/or public relation specialists. Our department also offers MA and Ph.D courses in Journalism & Communications.

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Communication and Popular Culture(3)	2-2-MR	Theories of Communication (3)
2-1-MR	Theory History in Korea (3)	2-2-ME	Media, Advertising and Society (3)
2-1-ME	Photo Journalism Practice (3)	2-2-ME	International Communication (3)
2-1-ME	Film and Video Arts (3)	2-2-ME	Theories of Information Society (3)
2-1-ME	Discussion of theory and practice (3)	2-2-ME	Theories of Media Profession
2-1-ME	TV Production Practice (3)	2-2-ME	Practice of Digital Audiovisual & Cinematografic
			Production(3)
3-1-MR	Research Methods in Mass Media 1 (3)	3-2-MR	Broadcast and Communication Media(3)
3-1-MR	Media Industries (3)	3-2-ME	Research Methods in Mass Media 2(3)
3-1-ME	Media and Social Change (3)	3-2-ME	Media and Gender(3)
3-1-ME	Media Criticism (3)	3-2-ME	Theories of Audience(3)
3-1-ME	Media Ethics and Laws(3)	3-2-ME	Film and Society(3)
3-1-ME	Theories of PR (3)	3-2-ME	Theories Internet Media(3)
		3-2-ME	Theories of Advertising Industry(3)

4-1-ME	Digital Media and Culture(3)	4-2-ME	Theories of Global Media(3)
4-1-ME	Sports and Media(3)	4-2-ME	Special Topics in Mass Media(3)
4-1-ME	Asian media studies(3)	4-2-ME	Media Movement and Citizen Media(3)
4-1-ME	Media Politics and Election(3)	4-2-ME	Broadcast Monitoring(3)
4-1-ME	News Reporting Practice(3)	4-2-ME	Speech and Presentation Practice(3)

Faculty

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· Kim, Seung-soo, Ph.D.	Professor, Media Industries, kiss9839@hanmail.net, 270-2957
· Kim, Eung-sook, Ph.D.	Professor, Cultural Theories and Media Aesthetics, eungskk@hanmail.net, 270-2958
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· Lee, Sang-hoon, Ph.D.	Associate Professor, Daily Life and Communication, hoon@chonbuk.ac.kr, 270-3876
· Na, Mi-su, Ph.D.	Associate Professor, Cultural Studies, misuna@hanmail.net, 270-2956
· Choi, Yong-joon, Ph.D.	Associate Professor, Communication Theories, yjchoi@jbnu.ac.kr, 270-3877

Department of Political Science & Diplomacy

Homepage: http://pol.chonbuk.ac.kr/

Phone: 82-(0)63-270-2934

The Department of Political Science & Diplomacy, established in 1953, has provided students with a well-rounded liberal arts education as well as an in-depth knowledge in humanities and social science. The department aims to prepare students to master state-of-the-art theories and the practices of Political Science and International Relations, so as to meet the future leadership demands for various human associations and organizations at local, national and global levels. In addition, the department maintains close networking ties with research institutes such as the Institutes of Local Government and Social Science, which provide ample opportunities for students' practical field work experiences.

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-MR 1-2-MR	Introduction to International Relations (3) Introduction to Korean Politics (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME	Introduction to Political Thoughts (3) Methods of Empirical Research and Analysis (3) Theories of Democracy (3) Mass Communication in Politics (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME	Introduction to Comparative Politics (3) History of Diplomacy in the West (3) Political Parties (3) Theory of Foreign Policy (3)

		2-2-ME	Politics of Gender (3)
		2-2-ME	Local Government of Jeonbuk Province (3)
		2-2-ME	Electoral Systems (3)
3-1-ME	Political Marketing & Election (3)	3-2-ME	Practice in Political Research (3)
3-1-ME	Politics of North Korea (3)	3-2-ME	Contemporary Political Theory (3)
3-1-ME	Politics of China (3)	3-2-ME	Liberalism and Socialism (3)
3-1-ME	Politics of Europe and the U. S. (3)	3-2-ME	NGO and Governance (3)
3-1-ME	Theories & Methodology of International	3-2-ME	Third World and Political Change (3)
	Relations (3)	3-2-ME	Politics of Southeast Asia (3)
3-1-ME	Political Psychology (3)	3-2-ME	History of Diplomacy in the East (3)
3-1-ME	Politics of Legislation and Decision-Making (3)	3-2-ME	Foreign Policies of Major States (3)
3-1-ME	Internet and Electronic Government (3)		
4-1-ME	Seminar on Political Philosophy (3)	4-2-ME	Korean Political Thought (3)
4-1-ME	Politics of Latin America (3)	4-2-ME	Relations between South and North Korea (3)
4-1-ME	Foreign Policies of Two Koreas (3)	4-2-ME	Politics of Middle East and Africa (3)
4-1-ME	International Organizations (3)	4-2-ME	International Relations of Northeast Asia (3)
4-1-ME	Foreign Policies of the U.S. (3)		
4-1-ME	Practice in Area Studies (3)		
4-1-ME	Seminar on Contemporary International Politics		
	(3)		
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Faculty

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Department of Psychology

Homepage: http://psy.chonbuk.ac.kr/

Phone: 82-(0)63-270-2925

Established in 1978, the Department of Psychology has grown to be one of the most influence departments for the province of Jeollabuk-do. Our graduates play an active part in practical and professional centers such as clinics, counseling centers, research centers, public organizations, governmental agencies, and other related companies. To meet local needs, our curriculum gives much

weight to practical topics and has a goal of educating professional psychologists.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
2-1-MR	Introduction to Neuroscience (3)	2-2-MR	Psychology of Learning (3)
2-1-MR	Statistics in Psychology (3)	2-2-MR	Cognitive Psychology (3)
2-1-MR	Psychology of Personality (3)	2-2-ME	Survey Methodology in Psychology (3)
2-1-ME	Psychology of Motivation (3)	2-2-ME	Developmental Psychology (3)
2-1-ME	Sensation and Perception (3)	2-2-ME	Vocational Psychology (3)
2-1-ME	Stress & Adjustment (3)		
2-1-ME	Social Psychology (3)		
3-1-MR	Psychology Testing &Practice (3)	3-2-ME	Brain & Behavior (3)
3-1-ME	Counseling Theory (3)	3-2-ME	Abnormal Psychology (3)
3-1-ME	Psychology & Marketing (3)	3-2-ME	Counseling Psychology & Practice (3)
3-1-ME	Personnel Psychology (3)	3-2-ME	Organizational Psychology (3)
3-1-ME	Clinical Psychology (3)	3-2-ME	Criminal Psychology (3)
3-1-ME	Psychology of Emotion (3)	3-2-ME	Art and Psychology (3)
3-1-ME	Applied Cognitive Psychology (3)		
4-1-ME	Psychology of Sports & Leisure (3)	4-2-ME	Family Therapy (3)
4-1-ME	Group Therapy (3)	4-2-ME	Psychology in Advertising (3)
4-1-ME	Health Psychology (3)	4-2-ME	Seminar in industrial and Organizational Psychology
4-1-ME	Consumer Psychology (3)		(3)
4-1-ME	Positive Psychology (3)	4-2-ME	Psychology of Sexual Behavior (3)
		4-2-ME	Applied Social Psychology (3)

MR: Major Required, ME: Major Elective

Faculty

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 Park, Sae-young, Ph. D. Professor, Industrial and Organizational Psychology, psy@jbnu.ac.kr, 270-2929
 Park, Chang-ho, Ph. D. Professor, Cognitive Psychology, finnegan@jbnu.ac.kr, 270-2931
 Kang, Hye-ja, Ph. D. Professor, Social Psychology, hjkang@jbnu.ac.kr, 270-2932
 Lee, Young-soon, Ph. D. Associate Professor, Counselling Psychology, leeys@jbnu.ac.kr, 270-2928
 Kim, Ho-young, Ph. D. Assistant Professor, Clinical Psychology, hykimpsy@jbnu.ac.kr, 270-2926

Department of Public Administration

Homepage: http://dpa.chonbuk.ac.kr/

Phone: 82-(0)63-270-2943

The Department of Public Administration offers courses in the principal areas of the public

administration discipline: administrative science, policy science, organizational and behavioral science, political science, economics and other related academic disciplines.

The department aims at training students to properly understand political and governmental phenomena from the standpoint of public interest in the times of a globalized and informationized society. The primary objectives of the department are to prepare students for leadership careers in public areas, to derive theory and knowledge of public administration and to apply them into practice. We strive to educate students to appreciate the increasingly important field of public administration in modern society.

We prepare students to meet the challenges of public leadership by teaching them to analyze situations, identify problems, create solutions and implement them within the context of organization. Also, students have the opportunity to study major problems of contemporary public policy by means of an interdisciplinary program rooted in social science.

Curriculum

Year	Course (Credit)	Year	Course (Credit)
		1-2-MR	Policy Science (3)
2-1-MR	Research Methods in Public Administration (3)	2-2-MR	Public Personnel Administration (3)
2-1-MR	Public Organization Theory (3)	2-2-MR	Public Budgeting & Financial Administration (3)
2-1-ME	Philosophy of Public Administration (3)	2-2-ME	Organizational Behavior (3)
2-1-ME	Administrative Law 1 (3)	2-2-ME	Administrative Law II (3)
2-1-ME	Readings in Public Administration (3)	2-2-ME	Korean Government (3)
2-1-ME	Office Management in Public Administration (3)		
3-1-MR	Local Administration (3)	3-2-ME	Policy Evaluation (3)
3-1-ME	Planning Theory (3)	3-2-ME	Urban Administration (3)
3-1-ME	Regional Development Policy (3)	3-2-ME	Environment Policy (3)
3-1-ME	Comparative Administration (3)	3-2-ME	Social Welfare Administration (3)
3-1-ME	Administrative Control (3)	3-2-ME	Public Service Aptitude (3)
3-1-ME	Policy Analysis (3)	3-2-ME	Public Relations (3)
4-1-ME	Topics in Public Administration (3)	4-2-ME	Manpower Management (3)
4-1-ME	Topics in Policy Science (3)	4-2-ME	Police Administration (3)
4-1-ME	Governmental Accounting (3)	4-2-ME	Public Management (3)
4-1-ME	Legislative Administration (3)	4-2-ME	Reform for Public Administration (3)
4-1-ME	Topics in Research Methods for Public	4-2-ME	Government Theory (3)
	Administration (3)	4-2-ME	Fire Protection Administration (3)
4-1-ME	Administrative Regulation (3)		

MR: Major Required, ME: Major Elective

· Shin, Hwan-chul, Ph.D.	Professor, Local and Urban Administration, shinhc@jbnu.ac.kr, 270-2947
· Lee, Won-kyoo, Ph.D.	Professor, Administrative Organization Theory, won2948@hanmail.net, 270-2948
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· Ahn, Kook-chan, Ph.D.	Professor, Policy Analysis and Evaluation, akchan@jbnu.ac.kr, 270-2951

 $\cdot \ \, \text{Cho, Soong-hyun, Ph.D} \quad \ \, \text{Associate Professor, Environmental Administration, Regional Development,}$

cho2514@jbnu.ac.kr, 270-3878

· Ju, Sang-hyeon, Ph.D. Associate Professor, Financial Administration, Planning Theory,

ju1414@jbnu.ac.kr, 270-2945

Department of Social Welfare

Homepage: http://welfare.jbnu.ac.kr/

Phone: 82-(0)63-270-2962

The Department of Social Welfare is a community of scholars of social welfare and social work dedicated to the pursuit, advancement, and transmission of the most up-to-date knowledge of a broad range of social welfare policies and social work practices in Korea. The academic goals are to seek ways of preventing social problems and alleviating them for the well-being of humanity. In addition to this we are looking to find a way to build the capacity of social work through the scholarly and educational endeavors of our faculty and students. To achieve such goals, the department offers two study sections. The first section concentrates on social welfare policies, and the second section considers social work practices. The study of social welfare policies focuses on social insurance systems, public assistance systems and social welfare service institutions. The study of social work practices centers on a methodology that solves the social-psychological problems of society. Field work education is an essential and integral component of a social welfare education and helps our students to develop into well-rounded graduates. Graduates of this department are employed as a social workers in many social work settings including child and family service agencies, mental health centers, senior centers, throughout the criminal justice system, community welfare centers, public administration, hospitals, day care centers and schools, etc.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Introduction to Social Welfare (3)	1-2-ME 1-2-ME	Human Behavior and the Social Environment (3) Social Problems (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	English Readings in Social Welfare (3) Social Security (3) Social Work Practice & Professionalism (3) History of Social Welfare(3) Mental health (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME 2-2-ME	Social Work Practice (3) Community Work & Welfare (3) Research methods in Social Welfare(3) Volunteer Management (3) Social Work in Mental Health (3) Poverty and Social Welfare (3)
3-1-MR 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Skills and Techniques for Social Work Practice (3) Social Welfare Administration(3) Program Development and Evaluation (3) Social Welfare for the People with Disabilities (3) Data Analysis for Social Welfare (3) Ethics and Philosophy in Social Work Practice (3)	3-2-MR 3-2-MR 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Social Welfare Practicum 1 (3) Social Welfare Policy (3) Social Work in Health Care (3) School Social Work History of Social Welfare (3) Social Service for Women (3)

3-1-ME 3-1-ME	Correctional Social Work (3) Child Welfare (3)	3-2-ME	International Social Welfare (3)
4-1-ME	Social Welfare Practicum 2 (3)	4-2-ME	Industrial Social Welfare (3)
4-1-ME	Social Welfare with the Aged(3)	4-2-ME	Sex, Sexuality and Social Work Practice (3)
4-1-ME	Social Welfare with Families (3)	4-2-ME	Multi-Cultural Society and Welfare (3)
4-1-ME	Trends and Issues in Social Welfare(3)	4-2-ME	Case Management (3)
4-1-ME	Welfare State (3)	4-2-ME	Human Right and Social Welfare (3)
4-1-ME	Social Service (3)	4-2-ME	Social Welfare and Law (3)

MR: Major Required, ME: Major Elective

Faculty

· Paik, Jong-man, MSW, Ph. D. Professor, Social Welfare Administration, Community Work & Welfare, Social Services, jb2963@jbnu.ac.kr, 270-2963 Professor, Social Welfare Thoughts and History, Volunteerism, Social · Choi, Won-gyu, MSW, Ph. D. Work and Cultural Diversity, jb2964@chonbuk.ac.kr, 270-2964 · Yoon, Myeong-sook, MSW, Ph.D. Professor, Clinical Social Work, Mental Health, Addiction, yoon64@jbnu.ac.kr, 270-2965 · Choi, Ok-chai, MSW, Ph.D. Professor, Correctional Social Work, Social Welfare Studies in Korea, Organizing Skills for Community Work, okchai@jbnu.ac.kr, 270-3875 · Kim, Mi-ok, MSW, Ph.D. Associate Professor, Clinical Social Work, Social Welfare for People with Disabilities, Human Right and Social Welfare, kmiok@jbnu.ac.kr, 270-2970 · Kim, Shin-yeol, MSW, Ph.D. Associate Professor, Aging, Program Development and Evaluation, Research Methodology, sykim@jbnu.ac.kr, 270-4591 · Lee, Sang-rok, MSW, Ph. D. Professor, Social Welfare Policy, Anti-poverty Policy, LSR1187@jbnu.ac.kr, 270-2966 · Kim, Soon-gyu, MSW, Ph.D. Associate Professor, Child & Youth welfare, soongyu@jbnu.ac.kr,

· Yeo, Yeong Hun, MSW, Ph.D. Assistant Professor, Social Welfare Policy, IDA and asset poverty,

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Department of Sociology

Homepage: http://socio.chonbuk.ac.kr

270-2983

Phone: 82-(0)63-270-2916

The Department of Sociology, established in 1978, helps students understand and analyze various human activities and societal organizations. Today, Korean society has an unprecedentedly high rate of development and the changes experienced in Korean society have inevitably called for a restructuring of the academic field of sociology. The value of results attained in various specialized fields by this department are continually being acknowledged. However, it is recognized that new approaches are required in various fields working towards comprehensive, integrated and interdisciplinary methods. The sociology programs seek to analyze modern society and to find solutions to social problems while

offering students a comprehensive introduction to the study of human society, social interaction, social organization, social classes, and social movements.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
	General Studies	1-2-ME 1-2-ME	Contemporary Society and Cultural Studies (3) Sociological Debunking of Conventional Wisdom (3)
2-1-MR	Understanding Social Stratification and Class Analysis (3)	2-2-MR 2-2-ME	Social Statistics (3) Civil Society and Life Politics (3)
2-1-ME	Environment & Development (3)	2-2-ME	Marriage & Family (3)
2-1-ME	History of Sociology (3)	2-2-ME	Population & Society (3)
2-1-ME	Social Research and Method (3)	2-2-ME	Women & Work (3)
2-1-ME	Sociology of Sexuality (3)	2-2-ME	Cooperation and Conflict in Human Societies (3)
2-1-ME	Understanding Network Society (3)		
3-1-MR	Localization and Social Change (3)	3-2-MR	Contemporary Sociological Theory (3)
3-1-ME	Information & Future Society (3)	3-2-ME	Sociology of Multicultural Society (3)
3-1-ME	Agriculture & Rural Sociology (3)	3-2-ME	Contemporary Society & Social Problems (3)
3-1-ME	Symbol & Social Space (3)	3-2-ME	Qualitative Research Method (3)
3-1-ME	Industrial Society & Labor (3)	3-2-ME	Social Movement & NGOs (3)
3-1-ME	Practicum of Survey Research (3)	3-2-ME	Urban World and Culture (3)
		3-2-ME	Studies on Inequality and Poverty (3)
4-1-ME	Gender and History (3)	4-2-ME	Ideology and Culture of East Anis Society (3)
4-1-ME	Education and Life course (3)	4-2-ME	Community and Social Development (3)
4-1-ME	Everyday Life in Organizations (3)	4-2-ME	Studies of East Asian Area (3)
4-1-ME	Economic Sociology (3)	4-2-ME	Understanding Historical Sociology (3)
4-1-ME	Religion and Contemporary Society (3)	4-2-ME	Practicum of Research on Korean Society (3)
4-1-ME	Social Psychology: Theories and Methods (3)		

MR: Major Required, ME: Major Elective

Faculty

· Kim, Young-jeong, Ph.D. Professor, Urban/Regional Sociology, yjkim@jbnu.ac.kr, 270-2919 Professor, Social Stratification, Sociology of Information, Deviance and · Chung, Hark-serp, M.A. Social Control, Historical Sociology, hark@jbnu.ac.kr, 270-2922 · Nahm, Choon-ho, Ph.D. Professor, Industrial Sociology, Economic Sociology, Sociology of Work, Gender Studies, chnahm@jbnu.ac.kr, 270-2923 · Song, Jeong-key, Ph.D. Professor, Environmental Sociology, Social Development, Rural Sociology, sik@jbnu.ac.kr, 270-2924 · Chung, Chul-hee, Ph.D. Professor, Political Sociology, Social Movements, Tradition, chulchng@jbnu.ac.kr, 270-2920 Professor, Economic Sociology, Quantitative Methods, International · Seol, Dong-hoon, Ph.D. Migration, dhseol@jbnu.ac.kr, 270-2917 · Kim, Hye-kyung, Ph.D. Professor, Family Sociology, Social History, Gender Studies, hkkimyou@jbnu.ac.kr, 270-2912 · Choi, Woo-young, Ph.D. Associate Professor, Social Theory, Social Thought, Sociology of Religion,

Historical Sociology, gumpoo@jbnu.ac.kr, 270-2918

· Kim, Jae-woo, Ph.D. Assistant Professor, Social Psychology of Group Processes, Institutional Analysis, Economic and Organizational Sociology, Computational Modeling, Social Network Analysis, j-wkim@jbnu.ac.kr, 270-4318

COLLEGE OF VETERINARY MEDICINE

Department of Pre-Veterinary Medicine

Homepage: http://prevet.chonbuk.ac.kr

Phone: 82-(0)63-270-3425

The Department of Pre-Veterinary Medicine was established for the purpose of training future scientists in the field of veterinary medicine. Students are able to study fundamental science courses (physics, chemistry, biology) and the major courses (veterinary embryology, cytology, animal feeding, etc.) that are required for admission to the College of Veterinary Medicine. After two years of successful study, students are allowed to enter the College of Veterinary Medicine for professional expertise.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-BC	Scientific Composition (3)	1-2-BC	Exposition of the Classical Literature of Humanities
1-1-BC	Seminar for Freshman (1)	1 2 00	(3)
1-1-BC	English (3)	1-2-BC	Chemistry (3)
1-1-BC	Social Service (1)	1-2-BC	Experiment for Chemistry (1)
1-1-BC	Physics (3)	1-2-BC	Biology & Biological Laboratory Experiments (3)
1-1-BC	Laboratory Experiments for Physics (1)	1-2-CC	Preference among the Core Culture Subjects (3)
1-1-CC	Preference among the Core Culture Subjects (3)	1-2-GC	Preference among the General Culture Subjects (3)
1-1-GC	Preference among the General Culture Subjects	1-2-GC	Preference among the General Culture Subjects (3)
	(3)		
2-1-MR	Veterinary Terminology (2)	2-2-MR	Veterinary Embryology & Laboratory Experiment (3)
2-1-MR	Introduction of Veterinary Medicine (3)	2-2-MR	Molecular Biology (3)
2-1-MR	Cell Biology & Laboratory Experiments (3)	2-2-MR	Genetics (3)
2-1-MR	Animal Thremmatology and Nutrition (3)	2-2-MR	Veterinary Anatomy & Laboratory Experiments (2)
2-1-MR	Organic Chemistry (3)	2-2-MR	Animal Welfare and Ethics (2)
2-1-MR	Comparative Anatomy of the Vertebrates &	2-2-MR	Statistics for Biological Experiments & its Practice
	Laboratory Experiments (3)		(3)
		2-2-MR	Preference in Scientific Subjects (2)

BC: Subjects among Basic Cultures for General Education, CC: Subjects among Core Cultures for General Education, GC: Subjects among General Cultures for General Education, MR: Major Required, ME: Major Elective

Faculty

Refer to the Department of Veterinary Medicine

Department of Veterinary Medicine

Homepage: http://vetmed.chonbuk.ac.kr/

Phone: 82-(0)63-270-3775

The College/Department of Veterinary Medicine, established in 1951, the second oldest veterinary college in South Korea, has a rich heritage and a distinguished record in education, research, and professional service. The college provides opportunities for students, while serving pet owners and the livestock industry as well as protecting public health, enhancing medical knowledge. As modern civilization develops, the increasing popularity of companion animals has caused an improvement of medical facilities and veterinary education. Fifty students are admitted each year into the two-year preveterinary medicine program in the College of Natural Sciences. Successful students advance to the four-year program of the College of Veterinary Medicine, which requires students to take courses though lectures, laboratory instruction, and clinical experience in the Veterinary Medical Teaching Hospital.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Veterinary Anatomy 1 (3)	1-2-MR	Veterinary Anatomy 2 (2)
1-1-MR	Practice in Veterinary Anatomy 1 (1)	1-2-MR	Practice in Veterinary Anatomy 2 (1)
1-1-MR	Veterinary Histology 1 (2)	1-2-MR	Veterinary Histology 2 (2)
1-1-MR	Practice in Veterinary Histology 1 (1)	1-2-MR	Practice in Veterinary Histology 2 (1)
1-1-MR	Veterinary Biochemistry 1 (2)	1-2-MR	Veterinary Biochemistry 2 (3)
1-1-MR	Practice in Veterinary Biochemistry 1 (1)	1-2-MR	Practice in Veterinary Biochemistry 2 (1)
1-1-MR	Veterinary Microbiology 1 (3)	1-2-MR	Veterinary Microbiology 2 (3)
1-1-MR	Practice in Veterinary Microbiology 1 (1)	1-2-MR	Practice in Veterinary Microbiology 2 (1)
1-1-MR	Veterinary Physiology 1 (4)	1-2-MR	Veterinary Physiology 2 (3)
1-1-MR	Practice in Veterinary Physiology 1 (1)	1-2-MR	Practice in Veterinary Physiology 2 (1)
1-1-MR	Veterinary Parasitology 1 (2)	1-2-MR	Veterinary Parasitology 2 (2)
1-1-MR	Practice in Veterinary Parasitology 1 (1)	1-2-MR	Practice in Veterinary Parasitology 2 (1)
2-1-MR	Veterinary Pharmacology 1 (3)	2-2-MR	Veterinary Pharmacology 2 (2)
2-1-MR	Practice in Veterinary Pharmacology 1 (1)	2-2-MR	Practice in Veterinary Pharmacology 2 (1)
2-1-MR	Veterinary Pathology 1 (3)	2-2-MR	Veterinary Pathology 2 (3)
2-1-MR	Practice in Veterinary Pathology 1 (1)	2-2-MR	Practice in Veterinary Pathology 2 (1)
2-1-MR	Veterinary Public Health (3)	2-2-MR	Food Hygiene (2)
2-1-MR	Practice in Veterinary Public Health (1)	2-2-MR	Practice in Food Hygeine (1)
2-1-MR	Veterinary Immunology (2)	2-2-MR	Veterinary Toxicology 2 (1)
2-1-MR	Practice in Veterinary Immunology (1)	2-2-MR	Practice in Veterinary Toxicology 2 (1)
2-1-MR	Veterinary Toxicology 1 (1)	2-2-MR	Veterinary Infectious Diseases 1 (2)
2-1-MR	Practice in Veterinary Toxicology 1 (1)	2-2-MR	Practice in Veterinary Infectious Diseases 1 (1)
2-1-MR	Zoonosis (3)	2-2-MR	Animal Behavior (2)
		2-2-MR	Laboratory Animal Science (3)
		2-2-MR	Practice in Laboratory Animal Science (1)
3-1-MR	Veterinary Internal Medicine 1 (3)	3-2-MR	Veterinary Internal Medicine 2 (3)
3-1-MR	Practice in Veterinary Diagnostics (1)	3-2-MR	Practice in Veterinary Internal Medicine 1 (1)
3-1-MR	Veterinary Surgery 1 (3)	3-2-MR	Veterinary Surgery 2 (3)
3-1-MR	Fundamental Techniques in Veterinary Surgery	3-2-MR	Veterinary Anesthesia and Practice (1)
	(1)	3-2-MR	Veterinary Obstetrics and Theriogenology 2 (2)
3-1-MR	Veterinary Obstetrics and Theriogenology 1 (2)	3-2-MR	Practice in Veterinary Obstetrics and
3-1-MR	Practice in Veterinary Obstetrics and		Theriogenology 2 (1)
	Theriogenology 1 (1)	3-2-MR	Veterinary Radiology 2 (1)
3-1-MR	Veterinary Radiology 1 (1)	3-2-MR	Practice in Veterinary Radiology 2 (1)
3-1-MR	Practice in Veterinary Radiology 1 (1)	3-2-MR	Veterinary Clinical Pathology 2 (1)
3-1-MR	Veterinary Clinical Pathology 1 (1)	3-2-MR	Practice in Veterinary Clinical Pathology 2 (1)

3-1-MR 3-1-MR 3-1-MR 3-1-MR 3-1-MR 3-1-MR	Practice in Veterinary Clinical Pathology 1 (1) Veterinary Infectious Diseases 2 (1) Practice in Veterinary Infectious Diseases 2 (1) Artificial Insemination in Animals (1) Fish Diseases 1 (2) Wild Animal Diseases (2)	3-2-MR 3-2-MR 3-2-MR 3-2-MR	Avian Diseases (3) Embryo Transfer in Animals (1) Veterinary Clinico-Pathological Conference 1 (1) Fish Diseases 2 (2)
4-1-MR 4-1-MR	Veterinary Internal Medicine 3 (2) Practice in Veterinary Internal Medicine 2 (1)	4-2-MR 4-2-MR	Veterinary Jurisprudence (2) Swine Diseases (2)
4-1-MR	Veterinary Surgery 3 (2)	4-2-MR	Practice in Animal Hospital 2 (1)
4-1-MR	Practice in Veterinary Surgery (1)	4-2-ME	Veterinary Dermatology (2)
4-1-MR	Practice in Animal Hospital 1 (1)	4-2-ME	Veterinary Reproductive Biotechnology (2)
4-1-ME	Veterinary Clinico-Pathological Conference 2 (2)	4-2-MR	Veterinary Imaging Diagnostics (2)
4-1-ME	Veterinary Pharmacotherapeutics (2)	4-2-ME	Diagnostics of Fish Diseases and Practice (2)
4-1-ME	Veterinary Vaccinology (2)	4-2-ME	Management of Animal Hospital (2)
4-1-ME	Traditional Veterinary Medicine (2)	4-2-ME	Veterinary Neurology (2)
4-1-ME	Veterinary Dentistry (2)	4-2-ME	Veterinary Analytics (2)
4-1-ME	Veterinary Ethics (2)	4-2-ME	Veterinary Ophthalmology (2)
4-1-ME	Veterinary Epidemiology (2)	4-2-ME	Veterinary Clinical Oncology (2)
4-1-ME	Equine Medicine (2)	4-2-ME	Pet Animals (2)
4-1-ME	Emergency Veterinary Medicine (2)		
4-1-ME	Veterinary Exercise Physiology (2)		

MR: Major Required, ME: Major Elective

Faculty

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Assistant Professor, Veterinary Pharmacology, abbasj@jbnu.ac.kr, 270-3927 · Kim, Shang-Jin, PH.D.

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· Ahn, Dong Choon, Ph.D. Associate Professor, Veterinary Anatomy, ahndc@jbnu.ac.kr, 270-3925

Faculty of International Studies

Faculty of International Studies

Homepage: http://fis.jbnu.ac.kr

Phone: 82-(0)63-270-4688, Fax: 82-(0)63-270-2099

The Faculty of International Studies was established in 2013 with the aim of enhancing students' abilities in interacting and communicating with people from different countries all over the world. The realization of this aim will enable students of the department to be prepared to face the challenges of globalization and, in addition, the development their analytical and leadership skills will help them to become leaders in global enterprises and international organizations.

In order to help our students achieve their dreams on the global stage, the Faculty of International Studies has designed a comprehensive curriculum, which will educate students in international development studies. Through our courses, students will learn how international co-operations are formed, and how the cultures and societies of different countries affect the interactions between them. We offer a wide range of interdisciplinary courses taught in English that will build analytical skills, flexibility, creativity and communication proficiency. After completing one of our programs, students will have obtained many skills and abilities, such as inter-cultural communication skills, presentation skills, debate skills, open-mindedness and they will have a balanced global perspective which will allow them to go on to be effective global managers and excellent leaders for global organizations.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR 1-1-MR	International Relations (3) International Economics (3)	1-2-MR 1-2-MR	International Development (3) International Management (3)
2-1-MR 2-1-ME 2-1-ME 2-1-ME 2-1-ME	International Organizations (3) Sustainable Development and Principles of Sustainability (3) Understanding International Law (3) Foreign Policy Analysis (3) Area Study I (3)	2-2-MR 2-2-ME 2-2-ME 2-2-ME 2-2-ME	International Commerce (3) Multinational Corporations (3) Global Issues in Development (3) International Economic Law (3) Area Study II (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Third World Culture, History and Civilizations (3) International Security and Peace (3) ODA Policies in Global Development Strategy (3) NGOs and Global Governance (3) Internship 1 (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Global Business and Ethics (3) International Economics Institutions and Policy (3) Third World Economics and Poverty (3) Governance and Development (3) International Political Economy (3)
4-1-ME 4-1-ME 4-1-ME 4-1-ME	Development Management (3) Global Resource Politics (3) Special Topics in Global Economics I (3) Global Agenda (3)	4-2-ME 4-2-ME 4-2-ME 4-2-ME	International Human Right s(3) Seminar on World Trends (3) International Trade Theory and Practice (3) Special Topics in Global Economics II (3)

4-1-ME	Special Topics in Global Affairs I (3)	4-2-ME	Special Topics in Global Affairs II (3)
4-1-ME	Internship 2 (3)	4-2-ME	Senior Thesis: An Independent Study (3)

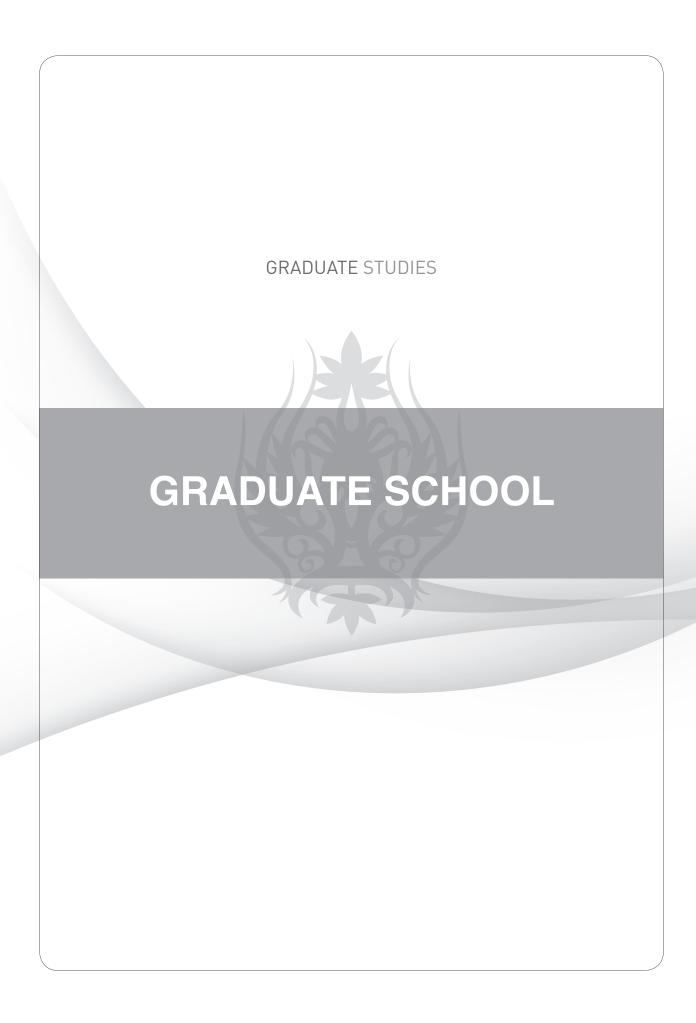
MR: Major Required, ME: Major Elective

• Faculty

· Chun, Kwang Ho Ph.D. Professor, khchun@jbnu.ac.kr, 270-2100

GRADUATE STUDIES

- Graduate School •
- Professional Graduate School
 - Special Graduate School •



The Graduate School was established in 1952 to prepare able students for academic and professional careers in their respective fields. The School is Chonbuk National University's ultimate center for the transmission and creation of knowledge valued by society. Faculty and students share an obligation of engaging in educational transaction and together assume the responsibility for advancing the frontier of new knowledge for the greater common good. In so doing, graduates and faculty enjoy the privilege of academic freedom in their fields of study. Studies here allow students to strive to develop in themselves a firm grasp of a chosen academic field, the skills and methods of conducting research and the ability to engage in independent, original and creative thinking.

To aid this educational process, CBNU provides library resources, laboratories and other learning facilities as well as a close association with scholars and frontier researchers. The individual graduate faculty is dedicated to delivering quality instruction, providing guidance for graduate students in the development of their programs, and for conducting investigations associated with a particular field or discipline. Graduate students are expected to take the initiative in pursuing their programs and to assume responsibility for the progress of their studies.

The school has greatly expanded its scope of degree programs and the enrollment of graduate students since its inception. Graduate degree programs are offered at Master's and Doctoral levels, and a graduate degree is conferred for the mastery of a certain field and a thorough understanding of its related disciplines,







Admission

International admissions are handled by the International Affairs Office. Applicants submit to the office their applications forms, which are available on the International Affairs Office web site. After evaluation of each application, the office issues admission letters to those who are qualified for admission. The International Affairs Office publishes a booklet about the international admissions procedure twice a year, in April and in October. Applicants are referred to this booklet for more specific details. Applications by Korean nationals follow a different procedure; The Admissions Office handles all of the issues related to the admission of Korean applicants. This office publishes a booklet about its admissions procedure in January of every year,

Academic Calendar

The academic year begins on the first week of March and ends in February of the following year. Each academic year consists of the following two semesters: the first semester is from March until July, and the second is from August until December. Each semester includes 15 weeks of classes and a vacation period between each semester is offered. Typically, no classes are held on the University Foundation Day (October 15), weekends, and national holidays.

Duration of Study

The length of graduate course work is normally two years for both Master's and Doctoral programs. The Master's and Doctoral programs require each 24 and 36 credit hours of course work respectively. A maximum of 9 credits can be registered in a single semester. Students may transfer some credits from other institutions upon the approval of the General Graduate School Committee.

■ Graduation Requirements

For a Master's degree, candidates must obtain a minimum accumulated grade point average of 80 from their course work, pass a foreign language examination and pass a comprehensive test over four subjects in a major field. After that, they have to submit their thesis to the Dean of the Graduate School. Their thesis shall be evaluated by a committee of three professors.

For a Doctoral degree, candidates must obtain a minimum accumulated grade point average of 80 from their course work, pass a foreign language examination and pass a comprehensive test over six subjects in a major field. After that, they may submit their dissertation to the Dean of the Graduate School. Their dissertation shall be evaluated by a committee of five professors.

■ Programs

Field	Major	Program
Arts / Physical Education	Dance	Master only
	Fine Arts	Master only
	Industrial Design	Master only
	Korean Music	Master only
	Music	Master only
	Physical Education	Master, Doctor
Engineering	Aerospace Engineering	Master, Doctor
	Architecture and Urban Engineering	Master, Doctor
	BIN Fusion Technology	Master, Doctor
	Civil Engineering	Master, Doctor
	Convergence Technology Engineering	Master, Doctor
	Electrical Engineering	Master, Doctor
	Electronic Information Materials Engineering	Master, Doctor
	Electronics and Information Engineering	Master, Doctor
	Environmental Engineering	Master, Doctor
	Industrial Engineering	Master, Doctor
	IT Applied System Engineering	Master, Doctor
	Materials Engineering	Master, Doctor
	Mechanical Design Engineering	Master, Doctor
	Mechanical System Engineering	Master, Doctor
	Metallurgical Engineering	Master, Doctor
	Mineral Resources and Energy Engineering	Master, Doctor
	Organic Materials and Fiber Engineering	Master, Doctor
	Polymer Nano Science and Engineering	Master, Doctor
	Semiconductor and Chemical Engineering	Master, Doctor
	Semiconductor Engineering	Master, Doctor
	Software Engineering	Master only
-	Accounting	Master, Doctor
	Administration	Master, Doctor
	Archaeology and Cultural Anthropology	Master, Doctor
	Business Administration	Master, Doctor
	Chinese Language and Literature	Master, Doctor
	Economics	Master, Doctor
	Education	Master, Doctor
	English Language and Literature	Master, Doctor
Humanities /	French	Master, Doctor
Social Sciences	German Language and Literature	Master, Doctor
	History	Master, Doctor
	International Trade	Master, Doctor
	Japanese Language and Literature	Master, Doctor
	Journalism and Communications	Master, Doctor
	Korean Language and Literature	Master, Doctor
	Korean Social Ethics	Master, Doctor
	Language and Literature Education	Doctor only

Humanities / Social Sciences	Law	Master, Doctor
	Library and Information Science	Master, Doctor
	Philosophy	Master, Doctor
	Political Science	Master, Doctor
	Psychology	Master, Doctor
	Public Administration	Master, Doctor
	Social Studies Education	Doctor only
	Social Welfare	Master, Doctor
	Sociology	Master, Doctor
	Spanish Language and Literature	Master only
	Advanced Organic Materials Engineering	Master, Doctor
	Applied Plasma Engineering	Master, Doctor
	Bio-active Material Science	Master, Doctor
	Bio-Nano System Engineering	Master, Doctor
	Bio-process Engineering	Master, Doctor
	Biotechnology	Master, Doctor
	Clinical Speech Pathology	Master, Doctor
	Cognitive Science	Master, Doctor
	Design and Manufacturing	Master, Doctor
	Energy Engineering	Master, Doctor
	Energy Storage Comversion Engineering	Master, Doctor
	English Education	Doctor only
	Healthcare Engineering	Master, Doctor
	Housing Environmental Design	Doctor only
	Image Engineering	Master, Doctor
Inter-	Information and Communications	Master only
disciplinary	Informatic Electronic Materials Engineering	Master, Doctor
	Information Security Engineering	Master, Doctor
	Intelligence Vehicle System Engineering	Master, Doctor
	International Cyber Trade and Area Study	Master only
	Korean Music	Doctor only
	Mechatronics Engineering	Master, Doctor
	Medicine Nutrition Therapy	Master, Doctor
	Nano Science and Technology	Master, Doctor
	Nano Semiconductors and Displays	Master, Doctor
	Radiation Science and Technology	Master, Doctor
	Records, Achives & Information Science	Master, Doctor
	Science, Technology, and Culture	Master, Doctor
	Software Engineering	Doctor only
	Solor Energy Engineering	Master, Doctor
	Sports Science	Master, Doctor
	Technology and Public Policy	Master only
Medicine	Dentistry	Master, Doctor
	Medical Science	Master, Doctor
	Medicine	Master, Doctor
	Veterinary Medicine	Master, Doctor

	Agricultural Biology	Master, Doctor
	Agriculture Chemistry	Master, Doctor
	Agriculture Economics	Master, Doctor
	Agricultural Engineering	Master, Doctor
	Agri-Machinery Engineering	Master only
	Agronomy	Master, Doctor
	Animal Resources and Biotechnology	Master, Doctor
	Agricultural Machinery Engineering	Master, Doctor
	Biology	Master, Doctor
	Chemistry	Master, Doctor
	Dental Science	Master, Doctor
	Earth and Environmental Sciences	Master, Doctor
	Ecology Landscape Architecture Design	Master, Doctor
Natural Sciences	Food Science and Technology	Master, Doctor
	Forestry	Master, Doctor
	Home Economics	Master, Doctor
	Horticulture	Master, Doctor
	Housing Environmental Design	Master's only
	Landscape Architecture	Master, Doctor
	Mathematics	Master, Doctor
	Molecular Biology	Master only
	Nursing	Master, Doctor
	Oriental Medicine Resources	Master only
	Physics	Master, Doctor
	Science Education	Doctor only
	Science Education(biology,chemistry,earth,physics education)	Master only
	Science Studies	Master only
	Statistical Informatics	Master, Doctor

Master only

Wood Engineering

ARTS / PHYSICAL EDUCATION

Department of Dance (Master's only)

Performance Production & Presentation

Studies in Thesis Theory of Artistic Dance Research of Dance Dance Criticism

The Theory of Ballet Dance Technique 1 The Theory of Ballet Dance Technique 2 The Theory of Ballet Dance Technique 3 Artistic Sociology

Choregraphic Method in Dance

The Theory of Korean Dance Technique 1
The Theory of Korean Dance Technique 2
The Theory of Korean Dance Technique 3
The Theory of Modern Dance Technique 1
The Theory of Modern Dance Technique 2
The Theory of Modern Dance Technique 3

Department of Fine Arts (Master's only)

Advanced Theories in Contemporary Korean Painting 2 Studies in Contemporary application of Korean Painting

Studies in Painting of North America

Studies in Installation Art Studies in European Painting Studies in Contemporary Painting Studies in Painting Practice

Advanced Theories in Painting Plasticity

Advanced Theories in Painting

History of Sculpture

Studies in Sculpture Techniques 1
Studies in Sculpture Techniques 2
Studies in Sculpture Techniques 3
Studies in Sculpture Practice 1
Studies in Sculpture Practice 2
Studies in Sculpture Practice 3
Studies in Furniture Design
History of Furniture
Practice in Wood Crafts
Studies in Designing Artifacts

Advanced Theories in Traditional Furniture
Advanced Theories in Contemporary Furniture

Advanced Theories in Contemporary Furnit Plasticity in Contemporary Furniture

Studies in Lecture Oriental Painting Theory Advanced Theories in Art Marketing

Studies in the History of Art Critics of Contemporary Art

Studies in Plasticity of Contemporary Korean Painting 3 Advanced theories in Contemporary Korean Painting 3 Advanced theories in Contemporary Korean Painting 4 Studies in Special Techniques of Korean Painting 1 Studies in Special Techniques of Korean Painting 2

Studies in Plasticity of Contemporary Korean Painting 4

Expression Techniques & Modeling Principle of Contemporary

Korean Painting

Studies in Contemporary Media

Comparison Studies in Eastern and Western Painting Advanced Lecture in Painting of North America

Installation Art & Media

Advanced Lecture in European Painting

Advanced Lecture in Methodology of Plane Painting

Advanced Lecture in Methodology of Contemporary Painting

Advanced Lecture in Contemporary Painting Advanced Lecture in Painting Practice

Studies in Painting Plasticity Studies in Artists &Works Sculpture & Technology Studies on History of Sculpture

Studies in Sculpture 1 Studies in Sculpture 2 Studies in Sculpture 3 Studies in Sculpture 4

Advanced Theories in Contemporary Sculpture
Advanced Theories in Environmental Sculpture
Advanced Theories in industrial Arts Design
Advanced Theories in Furniture Design

Advanced Practice in Furniture Studies in Techiniques industrial Arts Studies in Development of Wood Crafts Advanced Theories in human engineering Advanced Lecture in Traditional Furniture

Advanced Lecture in Plasticity of Contemporary Furniture

Practice in Crafts

Advanced Theories n Art Marketing

Plasticity Analysis of Contemporary Korean Painting

Advanced Theories in Art Critics Studies in History of Painting

Advanced Theories in Plasticity of Contemporary Korean

Painting

Studies in Lecture of Korean Painting Theory

Department of Industrial Design (Master's only)

Theory of Advanced Industrial Design

Advanced Design Marketing

Advanced Industrial Design Practice 1 Advanced Industrial Design Practice 2

Advanced Industrial Design Practice 3 Advanced Industrial Design Practice 4

Theory of Design Development

Design Management

Design Seminar

Design Psychology

Design Strategy planning

Theory of Design Formation

Design Presentation

Multimedia Design

Theory of Computer Aided Industrial Design Project

Department of Korean Music (Master's only)

Study in Literature and Materials of Korean Music

Study in Oriental Music Study in Folk Music Ethnic Music study

Advanced Individual Instruction Major 1 Advanced Individual Instruction Major 2 Advanced Individual Instruction Major 3 Advanced Individual Instruction Major 4

Seminar in Vocal Music Instrument of Korean Music Theory of Arts Planning

Form in Korean Music

History of Korean traditional music Melodic Structure of Korean Music Study in the Korean Music

Department of Music (Master's only)

Advanced Music Aesthetics Study in Literature of Wind & String Instrument Music

Advanced Individual Instruction Major 1 Study in Literature of composition Music

Advanced Individual Instruction Major 2 Introduction to Graduate Study
Advanced Individual Instruction Major 3 Performance and Criticism
Advanced Individual Instruction Major 4 Seminar in Opera

Advanced Individual Instruction Major 4 Seminar in Opera
Advanced Individual Instruction Major 5 Sociology of Music

Advanced Individual Instruction Major 6 History of Baroque & Classic

Advanced Individual Instruction Major 7 Chamber Music

Advanced Individual Instruction Major 8 Seminar in twenty's century music

Study in Literature of Vocal Music Piano Pedagogy
Study in Literature of Piano Music Master class

Department of Physical Education

Topics in Neuromuscular Physiology

Topics in Sport Archeology

Topics in Movement Analysis of Sports

Topics in Sociology of Physical Education

Topics in Experiments in Sport Psychology

Topics in Research Methods of Training

Topics in Environmental Physiology Topics in Exercise and Skeletal Muscle

Studies in the Biomechanics of Human Movement

Studies in Exercise Physiology

Topics in Research method in Sport Psychology

Topics in Sport Philosophy Topics in E.C.G. Interpretation Topics in Exercise Physiology Topics in Biochemistry of Exercise Topics in Analysis of Human Movement

Topics in Biomechanics of Human Movement

Topics in Exercise Nutrition Topics in Exercise Prescription Topics in Motor Learning and Control

Topics in Research Teaching in Physical Education

Topics in Supervision of Physical Education

Topics in Curriculum Development of Physical Education

Studies in Sport Psychology Studies in Sport Medicine

Studies in History of Physical Education Thought

Studies in Sport Pedagogy Studies in Sport Sociology

Studies in Research Methods in Physical Education

Studies in Exercise Nutrition

Topics in Leisure and Sport Industry

Topics in Sports Administration & Management

Topics in History of Physical Education

Topics in Research Methodology of Physical Education

Dissertation Research

ENGINEERING

Department of Aerospace Engineering

Rotary Wing Aerodynamics Advanced in Fluid Dynamics Advanced Aerodynamics

Aeroacoustics

Advanced Compressible Fluid Flow

Unsteady Aerodynamics Computational Fluid Dynamics Special Topics on Mechatronics Advanced Flight Dynamics Advanced Astrodynamics Advanced in Viscous Flow

Introduction to Finite Element Methods

Advanced Aerodynamic Testing Filtering and Estimation

Special Topics on Rocket Propulsion Engineering

Mechanics of Composite Materials
Theory of Jet and Atomization
Damage Mechanics & Structural Life
Advanced Propulsion and Combustion
Special Topics on Spacecraft Structures
Special Topics on Thermal Protection System
Smart Composites and Manufacturing
Gas Turbine Engine Concept Design
Special Topics of Structural Dynamics

Special Topics on Aerospace Systems Engineering

Avionics

Guidance and Control

System Modeling and Simulation

Special Topics on Computational Structural Engineering

Gas Turbine Combustion Engineering

Experimental Measurement of the Combustion Fluid

Catalytic Combustion Engineering Computational Thermal Engineering Thermal Radiation and Combustion Aerothermochemistry and Combustion Random data: Analysis and Processing

Turbulent Flows

Structural Health Management

Advanced ultrasonics

Integrated Structural Monitoring Special Topics On Aerospace Robotics Measurement and Data Analysis

Flow-Induced Vibration

Special Topics On Aerospace Industry

Aircraft Power Plant System
Aircraft Internal Combustion Engine
Advanced Nondestructive evaluation
Flight Control and Navigation Systems

Unmanned-Systems Design Advanced Technology Management Performance Analysis of Aircraft

Aircraft Technical Standards for Certification Advanced Aircraft Systems Engineering Flying and Handling Characteristics of Aircraft

Advanced Project Design of Aircraft

Studies in Thesis

Department of Architecture & Urban Engineering

Advanced Planning Theory of Architecture

Studies in Architectural Planning

Theory of Architecture

Building Arrangement Planning
Topics in History of Architecture
Philosophy of Architecture
Advanced Architectural Design 1
Advanced Architectural Design 2
Design Methodology in Architecture 1
Design Methodology in Architecture 2
Studies in Architectural Design
Advanced Building Equipment
Thermal Environment in Building

Seminar in Architectural Building Works

Advanced Architectural Foundation Analysis and Design

Prevention of Disasters of Building Engineering

Advanced Building Construction Architectural Finite Element Analysis Architectural Acoustic Design Architectural Acoustic Engineering

Research Method in Architectural Acoustics Seminar in Architectural Building Materials

Building Material Design Method

Advanced Architectural Building Materials

Architectural Theory of Elasticity Park and Open Space Planning Architectural Acoustic Design

Advanced Design Theory of Architecture

Criticism of Architecture

Advanced Building Environmental Engineering Architectural Theory of Environmental Design Architectural Theory of Environmental Psychology

Advanced Theory of Air Conditioning

Advanced Traffic Planning

Traffic Planning

Dynamics of Structures

Earthquake-resistant Structures History of Urban Development Advanced Urban Planning History of Urban Planning

Urban Design

Advanced Urban Renewals 1

Urban Geography

Advanced New Town Development

New Town Development Energy Conservation Building Information Processing Theory Advanced Housing and Dwelling

Advanced Regional and National Planning Topics in Reinforced Concrete Structure

Optimum Structural Design Computer-Aided Design Advanced Land Use Planning 1

Studies in History of Korean Architecture Advanced Structural Steel Design Advanced Structural Design Seminar in Building Structure Advanced Structural Engineering 1 Advanced Structural Engineering 2 Theory of Structural Stability Structural Analysis and Design 1 Structural Analysis and Design 2 Advanced Urban Structure Urban Population and Inhabitants Advanced Urban Renewals 2

Urban Landscaping Municipal Politics Theory of Urban Form

Advanced Urban Environment

Urban Theory of Environmental Design Advanced Mechanics of Materials

Residential Behavior

Advanced Land Use Planning 2

Traffic Analysis

Seminar in Special Building Construction

Specialties of Concrete
Plastics Concrete
Environmental Psychology
Transportation Modelling
Transportation System Analysis 1

Theory of Site Planning & designing Housing Complex

Theory of District Unit Planning

Transportation System Analysis 2

Evaluation Methods of Housing Environment

Architectural Research Method Architectural Psycho-acoustics

Studies in Thesis

Department of BIN Fusion Technology

Functional Physiology 1 Functional Physiology 2

Advanced Functional Physiology 1
Advanced Functional Physiology 2
Nano Science and Technology 1
Nano Science and Technology 2
Self-Assembly and Bio-Liquid Crystals 1
Self-Assembly and Bio-Liquid Crystals 2
BIN Fusion Technology and Seminar 1
BIN Fusion Technology and Seminar 2
BIN Fusion Technology and Seminar 3
BIN Fusion Technology and Seminar 4
BIN Fusion Technology and Seminar 5
BIN Fusion Technology and Seminar 5
BIN Fusion Technology and Seminar 6
BIN Application in Drug Discovery 1
BIN Application in Drug Discovery 2
BIN Fusion Cell Engineering 1

BIN Fusion Cell Engineering 2

Bioimaging 1 Bioimaging 2

Semiconductor Devices and Physics 1 Semiconductor Devices and Physics 2

Nano-Device Fabrication 1 Nano-Device Fabrication 2 Nanostructured Liquid Crystals 1 Nanostructured Liquid Crystals 2 Advanced Nano Physics 1 Advanced Nano Physics 2 BIN Fusion Material Engineering 1 BIN Fusion Material Engineering 2

Nano-Biosensors 1 Nano-Biosensors 2

BIN Fusion Devices Engineering 1 BIN Fusion Devices Engineering 2 Advanced Biosimilarities 1 Advanced Biosimilarities 2

Department of Civil Engineering

Advanced Aseismatic Design Advanced Bridge Design Advanced Concrete

Advanced Fracture Mechanics Advanced Numerical Analysis Advanced Optimum Algorithm Advanced Plastic Design

Advanced Reinforced Concrete Design Advanced Structural Mechanics Applied Civil Engineering Mathematics

Coastal Structural Analysis Dynamics of Structures

Fracture Mechanics of Concrete
High Performance Concrete
Mechanics of Continuous Medium
Optimum Design of Structures
Probabilistic Structural Analysis
Structural Analysis by Matrix Method

Structural Analysis by Finite Element Method Structural Analysis by Limit State Design

Structural Mechanics Lab.
Theory of Elasticity

Theory of Elasticity Stabilization Theory of Concrete Non-elasticity Wind Effects on Structures Advanced Applied Surveying

Advanced Geodesy

Advanced Geospatial Information System

Advanced Photogrammetry Advanced Regional Planning Advanced Remote Sensing Advanced Traffic Planning Analysis of Observed Values Civil Engineering Planning Theory of Systems Engineering Advanced Basin Modeling

Advanced Environmental Fluid Dynamics
Advanced Non-point Source Control Engineering

Advanced Wastewater Engineering

Advanced Water Supply Engineering Advanced Water Quality Modeling

Design of Water Supply & Wastewater Engineering

Environmental Impact Assessment

Pipe Network Analysis
Advanced Hydraulics
Advanced Hydrology
Advanced River Engineering
Ground Water Engineering
Hydrology Seminar 1
Hydrology Seminar 2
Lab & Compt. Hydraulics

Water Resources Engineering Seminar 1 Water Resources Engineering Seminar 2

Advanced Coastal Engineering

Advanced Design of Coastal & Harbor Structures

Cohesive Sediment Transport

Hydrodynamics

Littoral Process and Beach Erosion

Ocean Wave Theory Port & Harbor Engineering Sediment Transport

Advanced Foundation Engineering
Advanced Geotechnical Engineering

Advanced Soil Mechanics Soil Engineering Seminar 1 Soil Engineering Seminar 2

Soil Behavior Soil Mechanics Lab

Theory of Properties of Soil Advanced Civil Engineering Geology

Advanced Design of Earth Retaining Structure

Advanced Rock Engineering
Advanced Rock Mechanics
Advanced Rock Slope Engineering
Advanced Tunnel Engineering
Stability Analysis of Rock Structure

Department of Convergence Technology Engineering

Advanced Project Lab.

Integrated Research and Development

Advanced Solid Mechanics Advanced Fluid Dynamics Advanced Oil Hydraulics Advanced Tribology

Study of Lubrication Engineering Advanced Precision Machining

Advanced Computer Architecture
Advanced Operating System Design
Advanced Embedded System
Advanced Software Engineering

Advanced Next Generation Web Services
Advanced Ubiquitous Computing

Advanced Information Security
Advanced Artificial Intelligence

Micro Parts Design

Advanced Mechanical Design Advanced Fluid Machinery Advanced Renewable Energy Advanced Heat Transfer Air Conditioning System

Advanced Instrumentation Engineering

Advanced Computer Networks Advanced Design Pattern

Cloud Computing

Advanced ICT Convergence Software Computer Simulation Application

Advanced Database Thesis Research

Department of Electrical Engineering

Theoretical Foundations of Measurement

Advanced Electromagnetics Applied Optical Measurement Advanced Optoelectronics

Advanced Active Circuit Network Synthesis

Advanced Robotics

Advanced Process of Semiconductor Manufacturing

Advanced Semiconductor Engineering Advanced Sensor Measurement

Advanced Passive Circuit Network Synthesis

Advanced Antenna Engineering

Advanced Plasma Diagnostics Engineering
Advanced Electrical Application Engineering

Protection for Micro-grid Power Systems Analysis Advanced Power Electronics

Advanced Wireless Power Transfer Engineering

Special Topics in Electromagnetics Advanced Microwave Engineering

Advanced new & renewable energy engineering

Circuit and System

Advanced Nano Electronics

Advanced plasma thin-film engineering

Advanced Industrial Power Electronic System

Advanced Sensor Electronics
Advanced Communication System
Design of Analog Integrated Circuits
Advanced Control of Electric Machines
Advanced plasma applications engineering
Advanced Electric Motor Application

Advanced Optoelectronics Advanced Smart Grid

Advanced Topics in Power Systems Advanced Electricity Market

Wind Power Interconnection into Power Grid Analysis of Wind Power Generation Farm

Protection of Wind Generator Interconnected Powersystems

Smart Grid Information Communication

Advanced Sensor Network

Advanced high-voltage discharge engineering Design of Power Converters in Wind Power System Control of Electric Machines in Wind Power System

Department of Electronic Information Materials Engineering

Display Engineering Science

Advanced Crystallography

Lecture on Optoelectronic Communication Engineering

Lecture on Optical Communication Engineering

Functional Fine Particles Nano Materials Process

Engineering of Thin Film Growth

Lecture on Semiconductor Related Processes Advanced Semiconductor properties 1

Advanced Semiconductor properties 2 Lecture on Semiconductor Devices

Semiconductor Materials
Advanced Ceramic Dielectrics
Lecture on Lithography Technique
Quantum information Engineering

Advanced Electromagnetics

Advanced Processing of Electronic Ceramics

Electronic Devices

Advanced Electronic Materials

Advanced Electron Microscopy of Materials Seminar on Electronic Information Components Work of Electronic Information Materials Seminar on Electronic Information Materials

Lecture on IC Design

Engineering of Surface Control

Seminar on Semiconductor Related Processes 1 Seminar on Semiconductor Related Processes 2 Seminar on Semiconductor Related Processes 3

Seminar on Semiconductor Devices 1 Seminar on Semiconductor Devices 2 Magnetic Materials Science

Advanced Physical Properties of Materials Evaluation Techniques of Materials Electronic Circuit Engineering Seminar on Semiconductor Devices 3 Nano Optoelectronic Colloquium 1 Nano Optoelectronic Colloquium 2 Nano Optoelectronic Colloquium 3 Nano Optoelectronic Colloquium 4 Advanced Electrochemistry

Division of Electronics and Information Engineering (Computer Science and Engineering Major)

Distributed Systems

Advanced Data Communication

Computer-Aided Design

Advanced Multimedia Communication

Advanced Computer Network

Parallel Computers

Advanced Computer Communication

Realtime System Advanced Optical Communication Network

Hardware Description Languages Advanced Network Security
Cloud Computing Advanced Mobile Network
Fault Tolerant Systems Advanced Virtual Reality
Advanced Computer Design Advanced Visualization
Advanced Intelligent Network Advanced Game Engineering

Broadband Communication System Advanced Multimedia Document Structuring

Mobile Computing

Advanced Multimedia Contents

Network Modeling

Satellite Communication and Network

Internet Service Architecture

Communication Software Design

Advanced Computer Vision

Advanced Computer Animation

Advanced Computer Animation

Advanced Pattern Recognition

Communication Protocol Engineering Advanced Pattern Recognition
Network Performance Analysis Advanced Digital Broadcast

Communication Optimization Theory Advanced Natural Language Processing

Ad-hoc Network System

Cognitive Radio Engineering

Computational Geometry

Advanced Information Retrieval

Advanced Database

Advanced Information Theory

Machine LearningAdvanced File ProcessingGeometrical Solid ModelingAdvanced Artificial LifeMultimedia Document ClassificationAdvanced Artificial Intelligence

Multimedia Compression Theory

Advanced Web Engineering

Mobile Graphics

Advanced Software Engineering

Object-Oriented Database Advanced Components Technology
Database Applications 1 Advanced Computer Science

Parallel & Distributed Database Advanced Computational Mathematics

Advanced Algorithms

Geographical Information System

Advanced Formal Method

Knowledge Engineering Advanced Probability and Statistics
Korean Language Processing Advanced Information Security

Data Warehousing Advanced XML
Database Design Advanced SOA

Text Data Mining Advanced Optimization Theory
Database system Advanced ComputationTheory

High Level Database Seminar in High-Performance Computing

Theory and Applications in Neural Network

Knowledge Representation System

Seminar in System Software

Seminar in Realtime System

Database Applications 2

Genetic Algorithm Theory and Application

Speech Recognition Intelligent Robot Intelligent Agent

Fuzzy Set Theory and Application Rough Set Theory and Application

Bioinformatics

Advanced Numerical Analysis

Formal Methods

Advanced Digital Systems
Advanced Microprocessors
Advanced Operating Systems
Advanced Computer Architecture
Advanced Parallel Programming
Advanced System Programming
Advanced Realtime System
Advanced Embeded Systems
Advanced System Software

Advanced Human Computer Interaction

Seminar in Computer Network
Seminar in Multimedia Engineering
Seminar in Computer-Image Application

Seminar in Database

Seminar in Information Retrieval Seminar in Intelligent Information Seminar in Software Engineering Seminar in Formal Methods

- BK21 PLUS Courses -

Advanced Computer Programming
Technical Writing for Thesis in English
Advanced Computer Engineering 1
Advanced Computer Engineering 2
Seminar in Culture & Image and Regional

Information Industry HOPE-IT Seminar 1 HOPE-IT Seminar 2 HOPE-IT Seminar 3

Division of Electronics and Information Engineering (Electronics Engineering Major)

Adaptive Filter Theory
Adaptive Signal Processing
Advanced Artificial Intelligence
Advanced ATM Communication
Advanced Biomeasurements

Advanced Biosignal Processing

Advanced Communication Software Design

Advanced Communication Systems
Advanced Computer Architecture
Advanced Computer Communication
Advanced Computer Network
Advanced Data Communication

Advanced Digital Image Processing Advanced Digital Signal Processing Advanced Digital Signal Processing-SoC Advanced Electronics Engineering 1 Advanced Electronics Engineering 2

Advanced Electronics Lab.

Advanced Engineering Electromagnetics
Advanced Error Correction Coding Theory

Advanced Error Correction Theory
Advanced Human Robot Interaction
Advanced Information and Coding Theory

Advanced Information Theory
Advanced Intelligent Robotics
Advanced Internet Routing Protocol
Advanced Medical Instrumentation
Advanced MEMS Technology

High Speed Data Interface Circuit

HOPE-IT Seminar 1 HOPE-IT Seminar 2 HOPE-IT Seminar 3

Image Analysis and Understanding
Industrial Electronics Application
Information & Communication Seminar
Intellectual Property and Technology Transfer

Intelligent Agricultural Machines

Intelligent Vehicles

Introduction of Digital Satellite Communications

Introduction of Error Correction Coding Introduction to Autonomous Mobile Robot Introduction to Human Robot Interaction

Introduction to Intelligent Robot

Introduction to MEMS

Introduction to Robot Vision System
Introduction to Ubiquitous Computing

Introduction to VLSI Systems for SoC Designers

IT Application Seminar 1
IT Application Seminar 2
LED Lighting System
Linear System Control
Linear System Theory
Machine Learning
MEMS Application
MEMS design_part 1
MEMS design_part 2

Advanced Mobile Contents Convergence System

Advanced Mobile Robotics

Advanced Neural Networks

Advanced Power Electronics

Advanced Robot Vision

Advanced Robotics

Microwave Active Circuit 2

Microwave Communication

Microwave Filter Design

Mixed-Signal IC Design

Advanced Robotics

Modeling of Biosystems

Advanced Topics in Biomedical Engineering Modern Control Theory

Advanced Topics in Operating System Multi-carrier Transmission Technology

Microwave Active Circuit 1

Advanced VLSI Design Multimedia Communication
Analog Integrated Circuit Multiuser Detection Theory

Analysis and Design of Microprocessor Systems Network Synthesis and Filter IC Design

Analysis and Design of Nonlinear Microwave Circuits Neural Networks

Antenna Engineering Neuroelectronics
Applications of Digital Signal Processing Nonlinear Control

Applied Optics Nonlinear Control Theory

Applied Optics 1 Optical Measurement Engineering

Applied Optics 2 Optical Signal Processing

Applied Optics 2 Optical Signal Processing
Audio Engineering Optimal Control

Automatic Control Theory Parallel Computer Architecture
Bioelectricity Parallel Distributed Processing Circuit

Biomedical Imaging Systems

Power Conversion System Design and Control

Biomedical Measurement and Control

Power Management Integrated Circuits

Biosensors Principles of the Design of Biomedical Instrumentation

Communication Signal Processing Probability & Random Process

Communication System Design-SoC Random Processes in Engineering

Communication Systems Using Matlab Reliability in Electronic Systems

Computer Security Representation Systems Renewable Energy Power Conversion

Computer Security

Computer Vision

Renewable Energy Power Conversion

RF IC Design-SoC

Control and Instrumentation Engineering Special Topics Robotics Special Topic Cryptology Sensor Application

Digital Communication Application Signal Detection & Tracking
Digital Communication Signal Processing Smart Grid and Electric Vehicles

Digital Communication Synchronization Techniques SoC Architecture
Digital Filter Design SoC Design Methodology

Digital Geometry Space Time Multi Input Multi Output Communication

Digital Integrated Circuit-SoCSpecial Topics in Antenna EngineeringDigital Mobile CommunicationSpecial Topics in ElectromagneticsDisplay EngineeringSpecial Topics in RF System DesignDisplay Engineering 1Spectral Estimation Theory

Display Engineering 1 Spectral Estimation Theory
Display Engineering 2 Speech Signal Processing
Electromagnetic Field Theory Statistical Communication Theory
Electromagnetic Interference and Electromagnetic Statistical Signal Processing

Compatibility Switching Power Supply Design
Electronic Materials Engineering Technical Writing for Thesis in English
Electronic Materials Engineering 1 Time-Frequency Analysis and Applications

Electronic Materials Engineering 2 Topics in Digital Communications

Embedded SW Programming

Topics in Multimedia Convergence System
Energy Conversion System Design and Control

Topics in Ubiquitous Communication
Topics in Wireless Sensor Network

Fiber-optic Sensor System

Transducer Engineering
Full Custom Circuit Design

Ultra Wideband Communication

Fundamentals of Photonics Vehicular Information & Electronics Engineering

High Performance Memory Architecture and Design

Very Large Scale Integrated Circuits for Communication

Vision-Based Control
VLSI Signal Processing
Wireless coverage networking

Department of Environmental Engineering

Advanced Treatment

Advanced Air pollution Management
Advanced Air Pollution Control Engineering

Air Pollution Simulation Membrane Separation

Landfill and Leachate Management

Physicochemical Water and Wastewater Treatment

Advanced Industrial Wastewater Treatment

Water Supply and Sewer System Advanced Climate Change Management Biological Wastewater Treatment

Advanced Indoor Air Pollution Control Engineering

Wastewater Treatment Plant Design Advanced Water Quality Management Advanced Water Environmental Engineering Advanced Climate Change Statistics

Advanced Climate Change Statistics
Advanced Sludge Treatment & Disposal

Green Growth Management Advanced Odor Management Hazardous Wastes Management Biological Sludge Treatment

Advanced Global Environmental Engineering
Advanced New Regeneration Energy Engineering

Soil and Ground Water Pollution Resource Recovery and Recycling Advanced Solid Wastes Engineering Wastewater Management Systems Advanced GHG Discharge Source Management

Metals-Contaminated Site

GHG Reduction & Treatment Engineering Advanced Environmental Microbiology

Advanced Global Environmental System Engineering Advanced Global Environmental Impact Assessment

Remediation Engineering For Environmental Risk Assessment Clean Energy Process Technology Advanced Water Supply Treatment

Water Treatment System
Clean Fuel Technology
Advanced Pollutant Analysis
Advanced Chemical Management
Advanced Environmental Analysis
City Environmental Management
Water Treatment Plant Design
Water Pollution Modeling

Environmental Energy Catalyst Engineering

Advanced Environmental Toxicology Advanced Environment Policy Environmental Soil Chemistry Bioremediation Engineering

Groundwater Environmental Chemistry Advanced Environmental Chemistry Management of Contaminated Sites Green Remediation Engineering Groundwater Remediation Engineering

Department of Image Engineering

3-Dimensional Display Techniques

Virtual Reality

Techniques for Generating Game Software Broadband Communication Systems

Content-Based Image Database and Applications

Advanced Digital Signal Processing

Digital Image Processing
Video Editing and Practice
Digital Image Post Production
Digital Sound Post Production
Advanced Digital Communication
Multimedia Data Compression Techniques

Advanced Multimedia Database

Color Engineering

Advanced Software Engineering Theory of Visual Perception

Animation Techniques and Practices

Advanced Imaging Device Image Design & Photographing Planning of Media Production

Video Aesthetics Image Industry Seminar Image & Information Seminar Instruments for Video Production

Image Pattern Recognition and Application

Web Design & Production

Special Effects Production Techniques for Multimedia

Multimedia Processing & Application Multimedia Contents and Character Design Multimedia Communication Protocol

Motion Graphics Media Production Tools

Advanced Broadcasting Techniques

Acoustic Engineering

Advanced Artificial Intelligence Advanced Internet Applications Advanced Information Theory Computer Graphics and Practice

Computer Vision Special Projects

Modern Human-Computer Interface Techniques

Department of Industrial Systems Engineering

Advanced Management Information System

Advanced Surface Modeling and Machining

Integer Programming Network theory Advanced Data Mining Robotic Automation Meta Heuristics

Advanced Material Flow System Industrial Engineering Seminar I Industrial Engineering Seminar II

Advanced Issues in Industrial Engineering Advanced Production Operations Management

Design of Production System Advanced Mathematical Statistics

Reliability Analysis

Advanced Data Management Advanced Process Management Advanced Electronic Commerce

Advanced Information & Telecommunications

Advanced Simulation

Product Life Cycle Management

Advanced Six Sigma

Advanced Flexible Manufacturing System Decision and Performance Evaluation Application of Artificial Intelligence

Inventory Management Stochastic Process

Advanced Supply Chain Management Computer Integrated Manufacturing

Quality Engineering

Advanced Quality Engineering Constraints Management

Advanced Technology Management Quality Management System Advanced Production Scheduling Service System Engineering Techno-Economic Analysis Algorithm design and analysis Performance Analysis of Aircraft Advanced Aircraft Systems Engineering

Advanced Aircraft Industry

Department of Information Technology Applied System Engineering

Advanced Digital Signal Processing Advanced Power System Engineering

RFID/USN System Advanced SOC Design Advanced Database System Advanced Digital Control System

Advanced Digital Communication Convergence Advanced Multimedia Communication System

Advanced Mechatronics

Mobile Contents Convergence System

Advanced Wireless Embedded Communication

Introduction to Solid State Physics Sensor Applied Engineering Advanced Software Engineering

Advanced Smart Grid Advanced Signal & System

Electronic Power Communication System Design

Electronic properties of materials

Electronic & Communication Network System

Advanced Electromagnetic Advanced Electronic Circuit Information Security System Design Advanced Automatic Control Advanced Illumination Engineering Intelligent Home Networks

Integrated Circuit Layout & Fabrication

Advanced Ultra Wide Band

Communication ASIC Chip Design & Lab.

Advanced Circuit & System

IT Construction Convergence Technology Seminar

Analog Circuit Design

Introduction to Cryptography

Energy Engineering

Energy Conversion System

Advanced Operating System

Dielectric Phenomenon Theory

Advanced F.A. System

Advanced Electric Machinery

Advanced Electric Application System

Electric Motor Control System

IT Machinery Convergence Technology Seminar

IT Energy Convergence Technology Seminar

IT Distribution Convergence Technology Seminar

Advanced IT Convergence System Design

IT Medical Convergence Technology Seminar

IT Automobile Convergence Technology Seminar

IT Offshore & Shipbuilding Convergence Technology Seminar

Department of Materials Science and Engineering

Advanced Thermodynamics in Materials

Crystallography

Advanced Hydrogen-Storage Materials

Advanced X-ray Diffraction

Advanced Reaction Kinetics in Solids

Advanced Battery Materials

Advanced Synthesis of Ceramics 1

Advanced Synthesis of Ceramics 2

Advanced Dielectric Materials 1

Advanced Dielectric Materials 2

Advanced Theory of Sintering

Advanced Nano-Ceramic Materials

Advanced Powder Processing 1

Advanced Powder Processing 2

Advanced Nanostructured Composite 1

Advanced Nanostructured Composite 2 Seminar in Advanced Materials

Advanced Bio Materials

Advanced Semiconductor Materials 1

Advanced Semiconductor Materials 2

Advanced Semiconductor Devices 1

Advanced Thin Film Processing

Advanced Electronic Ceramics

Advanced Physical Ceramics

Advanced Evaluation of Material Properties 1

Advanced Evaluation of Material Properties 2

Advanced Electronics Packaging 1

Advanced Electronics Packaging 2

Advanced New Materials for Multi-Functions 1

Advanced New Materials for Multi-Functions 2

Advanced Mechanical Behavior of Materials

Advanced Piezoelectric Materials & Devices 1

Advanced Piezoelectric Materials & Devices 2

Advanced thermoelectric Materials & Devices 1

Advanced thermoelectric Materials & Devices 2

Advanced Joining Engineering

Advanced Fuel Cell 1

Advanced Fuel Cell 2

Advanced Ceramic Processing 1

Advanced Ceramic Processing 2

Advanced Materials Characterization 1

Advanced Materials Characterization 2

R&D Management

(Major of Materials Science and Engineering)

Advanced Properties of Materials

Advanced Thermodynamics in Materials

Advanced X-ray Crystallography

Advanced Composite Materials

Advanced Electronic Materials

Advanced Metallic Materials

Advanced Materials Processing

Advanced Special Industrial Materials

Advanced Welding & Jointing Engineering

Advanced Ceramic Materials

Advanced Ceramics Processing

Advanced Fine Ceramics

Advanced Theory of Sintering

Metallic Materials

Ceramic Materials

Department of Mechanical Design Engineering

Spray & Injection Theory

Multi Phase Flow

Forming Technology for Carbon Lightweight Materials

Advanced Carbon Composite Materials Theory of Physical Measurements in Gas

Dynamics and Combustion

Automobile Technology and Environment Advanced Measurement Engineering

Optical Measurement Signal Processing

Advanced Control Engineering
Advanced Electronic Engineering
Motion Geometry of Mechanisms
Advanced Mechanical Design
Computer Aided Engineering
Machine & Vehicle Design Seminar
Mechanical Design Research I
Mechanical Design Research II

Advanced Refrigeration and Air Conditioning

Thermal Engineering Environmental Thermal Engineering Seminar Advanced Heat Conduction Bio-medical Engineering Seminar

Advanced Biomaterials Advanced Surface Engineering Advanced Metal Cutting

Advanced Machining of Difficult-to-cut Materials

Seminar of Manufacturing Technology Machining of Manufacturing Technology

Advanced Precision Machining Micro/Nano Scale Heat Transfer

Advanced Design on Micro Thermal Fluid System Advanced Heat Exchanger Design & Practice Advanced Two Phase Flow Heat Transfe & Practice

Advanced Energy System Design Advanced Fluid Dynamics Energy Engineering

Advanced Computer Aided Design

Solid Modeling

CAD Seminar (CAD Seminar Advanced Aerosol Technology Combustion Measurement Air Pollution Control Advanced Nanotechnology Combustion Phenomena

Non-destructive Examination Engineering Advanced Manufacturing System Design

Advanced Welding Design

Advanced Plant Manufacturing Engineering

Advanced Quality Assurance Reliability Engineering Computational Fluid Dynamics

Micro Fluid Dynamics

Advanced Engineering Mathematics Advanced Bio-Fluid Dynamics Convective Heat Transfer

Advanced Noise & Vibration Engineering

Advanced Strength of Materials

Fracture Mechanics

Advanced Mechanical Materials Mechanical Behavior of Materials Advanced Solid Mechanics Advanced Composite Materials Fatigue Design of Machanical System

Finite Element Method Advanced Nano Materials

Advanced Internal Combustion Engine

Future Automotive Mechanics Alternative Energy Engine Hybrid Automotive Mechanics Electrical Automotive Mechanics Advanced Vehicle System Design

Viscous Fluid Flow
Compressible Flow
Continuum Mechanics
Advanced Numrical Methods

Advanced Heat Exchanger Design & Practice
Advanced Two Phase Flow Heat Transfer & Practice

Department of Mechanical System Engineering

Mechanics of Machining Boundary Layer Theory Air Conditioning Systems

Seminar in Manufacturing Process Topics in Manufacturing Process

Advanced Course of Manufacturing Process

Advanced Gas Dynamics

Turbulent Flow

Advanced Internal Combustion Engine

Advanced Robotics 1

Advanced Microprocessor

Nonlinear Vibration

Advanced Automation for Manufacturing

Intelligent Robotics Linear Control System

Seminar in Mechanics for Design 1 Seminar in Mechanics for Design 2 Advanced Theory of Machine Design

Noise Control

System Strength Design

Advanced Robotics 2 Numerical Heal Transfer

Special Topics of Energy Conversion Advanced Combustion Engineering Topics in Combustion Phenomena Design of Thermal Engineering System

Topics in Heat Engine Advanced Thermo-dynamics

Experimental Methods for Heat Transfer

Advanced Heat Transfer

Advanced Oil Hydraulics Engineering

Control of Oil Hydraulics Seminar in Fluid Engineering Topics in Fluid Machinery Advanced Fluid Dynamics Topics in Lubrication Technology

Advanced Lubrication Theory of Two Phase Flow

Advanced of Transport Phenomena Topics on Computational Fluid Dynamics

Advanced Metal Cutting Theory Viscous Fluid Dynamics

Advanced Precision Machining

Topics in Tribology

Advanced in Tribology

Environmental Thermal Engineering Topics in Instrumentation Engineering

High Temperature Strength Advanced Mechanical Design

Topics in Kinematics & Dynamics of Mechanisms System

Advanced Mechanical Materials Advanced Theory of Mechanism Advanced Theory of Mechanisms

Advanced Digital Control

Micromechanics

Advanced Microcontrollers

System Modeling Signal Processing

Advanced Welding Strength Acoustic Engineering

Advanced Instrumentation Engineering

Applied Design of Structure Advanced Materials Strength Computer Aided Engineering Computation Dynamics

Control System Application & Lab

Vibration System Design
Topics on Advanced Control
Advanced Optimum Control
Advanced Optimization
Advanced Computer Graphics
Advanced Computer Interface
Advanced Fracture Mechanics

Optical Metrology Micro Nano Technology Advanced Optical Metrology

Bio-Photonics
Optical Engineering
System Engineering

Special Topics On Aerospace Industry Advanced Technology Management Quality Management System Continuum Mechanics Impact Strength of Materials

Theory of Elasticity

Advanced Damage Mechanics Advanced Fatigue Strength Advanced New Materials Finite Element Methods

Advanced Finite Element Methods

Advanced Thermal Engineering in Semiconductor

Department of Metallurgical Engineering

Advanced Crystallography & Diffraction Theory

Advanced Solid State Physics Advanced Applied Mathematics Metal Processing Seminar 1 Metal Processing Seminar 2 Advanced Mechanical Metallurgy Advanced Physics of Metals

Advanced Physical Chemistry of Metals Advanced Metallurgical Thermodynamics

Metallic Materials Seminar 1 Metallic Materials Seminar 2 Advanced Metal Refining Advanced Functional Materials Advanced Liquid Metal Processing

Advanced Crystal Growth
Applied Plasma Processing
Advanced Magnetic Materials
Resources Recycling Engineering
Advanced Materials Science
Advanced Materials Analysis
Advanced Electrochemistry
Advanced Welding Engineering
Advanced Steel Making
Advanced Iron Making

Advanced Foundry Engineering Physical Metallurgy of Steels Advanced Physical Metallurgy

Thin Film Technology

Semiconductor Materials and Processing

Advanced Composite Materials

Advanced Corrosion & Protection of Metals

Advanced Powder Metallurgy Advanced Non-ferrous Metals Advanced Phase Transformations

Advanced Metal Forming

Advanced Materials Engineering Advanced Elasticity & Plasticity Advanced Heat Treatments Advanced Surface Engineering Advanced Renewable Energy Advanced Ferrous Materials Bio Materials Seminar

Advanced Bio Materials

Department of Mineral Resources and Energy Engineering

Advanced Mining Engineering

Resource Processing and Utilization Technologies

Advanced Water Chemistry
Colloids and Surface Chemistry 1
Colloids and Surface Chemistry 2

Advanced Inorganic Elemental Materials Engineering 1 Advanced Inorganic Elemental Materials Engineering 2

Studies in Geophysical Prospecting

Geophysical Inversion

Geophysical Data Processing & Interpretation

Advanced Rock Blasting Engineering

Studies in Blast Sound & Lab. Studies in Blast Vibration & Lab. Advanced Mathematical Geophysics Stability Analysis of Rock Structure Advanced Rock Slope Engineering Advanced Rock Mechanics 1

Advanced Rock Mechanics 2 Fracture Mechanics of Rock Advanced Developing Mine

Advanced Resource Recycling Engineering 1 Advanced Resource Recycling Engineering 2

Advanced Mineral Flotation 1 Advanced Mineral Flotation 2

Advanced Electrical & Electromagnetic Prospecting

Advanced Electromagnets

Mineral Resources Comminution Engineering 1

Mineral Resources Comminution Engineering 2 Advanced Maintenance Technology of Rock Structure

Advanced Geothermal Prospecting

Advanced Geotechnology Advanced Seismic Prospecting

Advanced Elasticity

Studies in Special Problems in Tunnel Design

Advanced Tunnel Engineering

Geophysical Survey for Civil & Environmental Engineering

Advanced Oceanic Resource Engineering

Advanced Alternative Energy

Fuel Cell

Photovoltaic Engineering Advanced Electrocatalysts Economics of Energy

Advanced High Temperature Fuel Cell Advanced Solar Energy Engineering Advanced Semiconductor Material Advanced Solar Cell Device

Solid State Physics

Advanced Energy Conversion Process

Solar Thermal Engineering Biomass conversion analysis Fluidized Bed Process

Gasification Biofuel

Membrane design

Air pollution control theory

Department of Organic Materials and Fiber Engineering

Advanced Functional Organic Materials

Advanced Industrial Materials Advanced Biomaterials Topics in Industrial Materials Advanced Bionanomaterials Advanced Medical Materials Advanced Organic Chemistry Topics in Fiber Assembly Advanced Carbon Fiber Carbon Fiber Finishing Advanced Solution Spinning Advanced Carbon Fiber Composites

Advanced Color Science Special Topics in Carbon Fiber Structural Health Monitoring Collaborative Research Program Advanced Adhesive Materials Advanced Organic Nanofibers

Inorganic Nanofibers for Energy devices Inorganic Nanofibers and Biological Applications

Advanced Electronic and Information Materials 1 Advanced Electronic and Information Materials 2

Electronic and Information Materials Application 1

Electronic and Information Materials Application 2

Advanced Kinematics of Machines

Advanced Polymer Chemistry Advanced Instrumental Analysis Advanced Polymer Materials Advanced Polymer Processing

Advanced Fiber Manufacturing Processing

Topics in Polymer Chemistry Advanced Polymer Physics Advanced Non-woven Fabrics

Advanced Composite Materials Mechanics

Advanced Nano Materials

Thesis Preparation in Polymer Physics

Ceramic Materials

Advanced Transport Phenomena

Advanced Separation **Experimental Design**

Department of Polymer Nano Science and Engineering

Research/Seminar of Polymer/Nano 1 Research/Seminar of Polymer/Nano 2

Research/Seminar of Polymer/Nano 3

Research/Seminar of Polymer/Nano 4

Advanced Nano Bio Engineering 1

Advanced Nano Bio Engineering 2 Advanced Biomedical Polymers 1

Advanced Biomedical Polymers 2

Advanced Nano Engineering 1

Advanced Nano Engineering 2

Introduction of Polymer BIN Fusion Technology 1 Introduction of Polymer BIN Fusion Technology 2 Introduction of Polymer BIN Fusion Technology 3

Introduction of Polymer BIN Fusion Technology 4

Advanced Polymer Nano Processing 1

Advanced Polymer Nano Processing 1 Advanced Polymer Physical Property 1

Advanced Polymer Physical Property 2

Advanced Polymer Processing 1 Advanced Polymer Processing 2 Nano Operation Technique 1

Nano Operation Technique 2

Nano Construction Materials 1

Nano Construction Materials 2

Advanced Polymer Chemistry 1

Advanced Polymer Chemistry 2

Nano Thin Film Process Engineering 1

Nano Thin Film Process Engineering 2

Nano Quantum Mechanics 1

Nano Quantum Mechanics 2

Nano Technique Application 1

Nano Technique Application 2

Advanced Polymer Materials 1

Advanced Polymer Materials 2 Advanced Polymer Materials 3

Advanced Polymer Materials 4

Advanced Polymer Composites Processing 1 Advanced Polymer Composites Processing 2

Polymer Nano Engineering 1

Polymer Nano Engineering 2 Nano-Bio Manipulation Engineering 1

Nano-Bio Manipulation Engineering 2 Nano-Electronical Structure Materials 1

Nano-Electronical Structure Materials 2

Division of Semiconductor and Chemical Engineering (Chemical Engineering Major)

Advanced Numerical Analysis

Special Topics in Organic Electronic Materials 1

Special Topics in Future Energy

Special Topics in Polymer Science and Engineering 1

Special Topics in Polymer Chemistry 1 Special Topics in Energy Fusion Technology Special Topics in Biomaterials Engineering Seminar

Special Topics for Hydrogen and Fuel Cells

Special Topics in Organic Electronic Materials 2

Special Topics in Transport Phenomena

Special Topics in Electrochemical Engineering

Special Topics in Polymer Science and $\,$ Engineering 2 $\,$

Special Topics in Process Control and Design Special Topics in Nanochemical Processes

Special Topics in Protein Engineering

Micro Chemical Processes Bioenergy Engineering

Special Topics in Chemical Reaction Engineering Special Topics in Molecular Biotechnology Special Topics in Bioprocess Engineering Special Topics in Bioseperation Processes Special Topics in Advanced Catalysis

Special Topics in Solar Cells

Special Topics in Environmental Biotechnology

Special Topics in Chemical Engineering Thermodynamics

Special Topics in Polymer Chemistry 2

Special Topics in Rheology

Special Topics in Carbon Nano Materials Special Topics in Display Engineering

Soft Matter Physics

Advanced Materials of Si-solar Cell Experiment of Si-solar Cell Manufacture Special Topics in Solar Module and System

Division of Semiconductor and Chemical Engineering (Semiconductor Engineering Major)

Advanced Numerical Analysis Semiconductor Fabrication Process

LED Devices

Special Topics in Future Energy Advanced Semiconductor Physics 1 Advanced Semiconductor Physics 2 Advanced Analog Electronics Advanced Quantum Mechanics Advanced Electronic Devices

Special Topics in Opto-electronic Devices

Opto-electronic Devices

Special Topics in Nano-Energy Devices

Special Topics in Nano-scale Semiconductor Devices

Special Topics in Nano-scale Materials

Special Topics in Display Devices

Microwave Devices

Semiconductor Crystal Growth

Semiconductor Physics & Processing Laboratory

Special Topics in Semiconductors Optical Properties of Semiconductors

Seminar on Semiconductors Semiconductor Devices

Semiconductor Device Modeling & Simulations

Applied Optics

Microwave Integrated Circuit
Special Topics in Solar Cell Devices
Compound Semiconductor Devices

MOSFET Devices

Fundamentals of Solar Cell Materials

Department of Software Engineering

Software Requirements Engineering

Topics in Software Development Process

Topics in Software Design & Architecture

Topics in Software Testing Software Quality Assurance

Software Configuration Management
Topics in Software Project Management

Software Reuse

Topics in Embedded Software Testing Topics in Software Maintenance

Topics in CASE Tool

Topics in System Analysis & Design
Topics in Ubiquitous Software Engineering
Topics in Object-Oriented Software Engineering

Human & Computer Interaction

Cloud Computing

Topics in Compilers

Topics in Computer Organization & Design

Topics in Embedded System
Topics in Data Communication
Topics in Microprocessors
Topics in Computer Network
Topics in Data Compression
Topics in Digital Signal Processing
Ubiquitous Sensor Network System
Software Framework of Intelligent Robot
Digital Signal Processing System Design

Digital Applied Systems Design Topics in Digital Integrated Circuits Topics in Mobile Communication Multimedia Image Processing

Opimization Theory

Topics in Smart Phone Application

Topics in Client/Server System

Topics in Next Generation Web Service

Topics in Design Patterns

Formal Specification Language

Topics in Object-Oriented System

Topics in Programming Languages

Topics in Information Security

Topics in Database System

Topics in Database Design

Topics in Information Retrievals

Topics in Operating System

Neural Network Modeling

Topics in Broadcast Communication Engineering

Topics in Computer Graphic

Topics in Computer Vision

Topics in Multimedia Convergence System

Topics in Ubiquitous Computing

Mobile Contents Convergence System

Topics in Communication Software

Software Engineering Seminar 1

Software Engineering Seminar 2

HUMANITIES / SOCIAL SCIENCES

Department of Accounting

Studies in Enterprise Resource Planning Accounting

Seminar in Advanced Accounting Topics in Advanced Accounting Seminar in Management Accounting

Equity Valuation

Seminar in Equity Valuation Seminar in Law and Accounting

Critical Accounting

Studies in Social Accounting

Studies on Empirical Accounting Research Studies on Empirical Accounting Research Seminar in Empirical Accounting Research Seminar in Capital Market Accounting Studies in Capital Market Accounting Seminar in Financial Statement Analysis Studies in Financial Statement Analysis Seminar in Financial Accounting Studies in Financial Accounting Case Studies on Financial Accounting

Topics in Financial Accounting Studies in Strategic Cost Management Studies in Government Accounting Seminar in Institutional Accounting Topics in Institutional Accounting Studies in Responsibility Accounting

Seminar in Financial Accounting Case

Emerging Issues in Accounting

Current Issues in Accounting

Topics in Environmental Accounting

Studies in Activity Based Management Accounting

Case Studies in Auditing Seminar in Auditing Topics in Auditing

Studies in Accounting History Seminar in Accounting and Control Studies in Accounting and Control Topics in Accounting and Control Case Studies in Accounting Ethics Topics in Accounting Ethics Seminar in Accounting Theory

Accounting Information System Auditing

Accounting Information System Research Methodology in Accounting 1 Studies in Quantitative Accounting

Contract Theory

Studies in Advanced Management Accounting

Seminar in Tax Management Topics in Tax Management Seminar in Tax Accounting Topics in Tax Accounting Seminar in Tax Law Topics in Tax Law

Statistical Method in Accounting

Information Accounting Topics in Tax Policy

Research Methodology in Accounting 2

Department of Administration

Seminar in Public Choice

Seminar in Government Enterprise National Development and Administration

Seminar in Planning Theories Seminar in Urban Administration Seminar in Comparative Administration Social change and Public Administration

Elite and Leadership Theory Seminar in Manpower Development

Seminar in Public Personnel Administration 1 Seminar in Public Personnel Administration 2 Seminar in Public Budgeting Administration 1

Seminar in Public Budgeting Administration 2

Seminar in Public Finance Analysis

Issues in Public Administration Seminar in Administrative Theories 1 Seminar in Administrative Theories 2

Seminar in Computer Science for Public Administration Research and Statistics for Public Administration Seminarin Research Methods for Public Administration

Seminar in Administrative Philosophy Seminar in Administrative Control Methodology of Public Administration Seminar in Environmental Administration Seminar in Science and Technology Policy

Seminar in Regulatory Policy Seminar in Urban Policy Seminar in Manpower Policy

Seminar in Government Accounting

Seminar in Policy Analysis Seminar in Policy Theories Politics and Administration

Seminar in Organizational Structure Seminar in Organization Theories 1 Seminar in Organization Theories 2 Seminar in Organizational Behavior

Seminar in Local Finance
Seminar in Local Government
Seminar in Local Administration

Seminar in Quantitative Analysis for Public Administration Public Administration and Information Management

Public Administration and Policy

Seminar in Legislative Policy Seminar in Public Finance Policy Seminar in Policy Value

Seminar in Policy Making
Seminar in Policy Analysis 2
Case Studies in Policy Analysis

Case Studies in Policy
Seminar in Policy Theories 1
Seminar in Policy Theories 2
Seminar in Policy Implementation
Seminar in Policy Evaluation
Seminar in Regional Development

Seminar in Regional Policy

Seminar in Administrative Processes Case Studies in Public Administration

Department of Archaeology & Cultural Anthropology

Introduction to Quantitative Archaeology

Practice in Quantitative Archaeology Individual Readings in Archaeology Archaeology and Natural Science

Seminar in Archaeology 1 Seminar in Archaeology 2

Topics in Archaeological Methodology

Archaeology and Burials
Theories on Culture Change

Topics in Conservation and Application of

Cultural Property

Topics in Baekjae Archaeology Topics in Buddhist Archaeology Topics in Western Archaeology Topics in Europe Archaeology

Lithic Archaeology

Topics in Prehistoric Archaeology Archaeology of Prehistoric Technology

Seminar on Asian Cultures
Topics in Historical Archaeology
Topics in Mahan Archaeology
History of Anthropology
Fieldwork in Anthropology
Topics in Japanese Archaeology
Topics in Chinese Archaeology
Topics in Medieval Archaeology
Qualitative Research Methods
Settlement Archaeology

Archaeology of Ceramics

Seminar on Korean Culture

Topics in Contemporary Archaeological Theory

Prehistoric Culture in Honam Historic Culture in Honam Environmental Archaeology Topics of Family and Kinship Anthropology of Symbols and Art

Topics on Peasant Society
Topics of Popular Culture
Topics of Urban Anthropology
Seminar on Culture and Tourism
Seminar on Cultural Management
Seminar on Cultural Anthropology 1
Seminar on Cultural Anthropology 2
Seminar on Culture and Policy
Topics of History of Minjung Life
Seminar on Museum Studies

Traditional Culture and Content Program Planning

Topics of Consumption and Culture
Topics of Linguistic Anthropology
Topics of Anthropology of Gender
Topics of Historical Anthropology
Seminar on Culture & Development
Seminar on Intangible Cultural Heritage
Topics of Anthropology of Religion

Festival Program Planning Topics of Korean Folklore

Topics of Anthropology of Environment

Department of Business Administration

Career Development Seminar Studies in Decision Analysis Strategic Management Seminar

Studies in Management Information System Studies in Comparative Industrial Relations

Business Philosophy Studies in Business Statistics Methodology in Management Studies Studies in Management Science Management Science Seminar

Quantitative Analysis for Marketing Decisions

Supply Chain Management Relationship Marketing Seminar

Advertising Seminar

Educational Program Development Seminar

Seminar in Buyer Behavior Seminar in International Business International Financial Management Seminar in Global Marketing

Management of Financial Institution
Seminar in Financial Institutions

Pension Management

Studies in Management of Technology

Corporate Credit Analysis
Ethics in Management
Mergers and Acquisitions
Corporate Financial Management
Corporate Financial Strategy
Corporate Governance
Studies in Industrial Relations

Seminar in Industrial Relations Strategy

Multivariate Analysis

Comparative Industrial Relations Seminar

Data-Mining

Database Management
Database Marketing
Seminar in Leadership
Seminar in Risk Management
Seminar in Marketing Management

Marketing Modeling Marketing Strategy

Data Base Marketing Seminar Marketing Research Methods I Marketing Research Methods II Studies in Marketing Research

Philosophy of Marketing Science

Seminar in Motivation

Culture & Consumption Seminar

Emotional Marketing

Seminar in Compensation Management Seminar in Compensation Management

Insurance Seminar
Insurance Theory Seminar

Studies in Management Strategy Seminar in Retail Management

Cultural Marketing

Consumer Economic Seminar Consumer Behavior Analysis Mathematical Programming

Methodology of Survey and Research 1 Methodology of Survey and Research 2

System Analysis & Design New Product Management

Options Markets

Seminar in Marketing Channels and Logistics

Seminar in Channel Management Ethics Management Seminar Studies in Ethics Management Decision Support System

Human Resource Selection Seminar Studies in Performance Appraisal

Studies in Human Resource Development Studies in Human Resource Management

Internet Marketing Seminar Capital Budgeting Decision Studies in Inventory Management

Financial Econometrics

Seminar in Financial Management

Financial Analysis
Financial Mathematics
Financial Theory

Advanced Theory of Corporate Finance

Financial Statistics

Strategic Human Resource Management Seminar

Action Learning Seminar
Case Studies of E-Business
E-Business Strategy
Seminar in Social Insurance
Project Management Seminar
Enterprise Resources Planning

Electronic Commerce

Information Technology & Innovations
Information Resources Management Theory

Management Information System Seminar Electronic Commerce Seminar

Oualitative Research Seminar

Seminar in Organizational Development & Innovation

Studies in Organizational Structure Seminar in Organizational Culture Studies in Organization Diagnosis Seminar in Organization & Strategy Seminar in Organization Theory Studies in Organizational Behavior

Security Analysis

Theory of Security Market

Knowledge Management Seminar

Introduction to Alternative Investment

Brand Management Seminar

Marketing for Non-profit Organization

Social Marketing

Business to Business Marketing

Seminar in Production Planning Theory

Studies in Production & Operations Management

Production & Logistics Network Seminar

Design of Production System

Operations Strategy

Seminar in Service Marketing Service System Seminar

Futures Markets

Knowledge Management Systems

Bond Analysis

Seminar in Promotion Management

Seminar in Investment

Studies in Theory of Investment Advanced Theory of Investment

Sales Force Marketing

Studies in Quality Management Studies in Quality Management Technology Strategy Seminar Learning Organization Seminar

Seminar in Behavioral Research Method Foundations of Behavioral Research Method

Department of Chinese Language & Literature

Translation Theory
Translation Pedagogy

Deepening Coaching of Translation Study Korean Mastery and Korean Composition Course in Korean-Chinese Translation Course in Chinese-Korean Translation

Ancient Chinese Grammar Contemporary Chinese Grammar Introduction to Chinese Philology

Introduction to Edition & Emendation Science

Introduction to Chinese Characters
Introduction to Chinese Philology

Introduction to Chinese Derivation & Acceptation Science

Survey of Chinese Rhetoric

Studies in Cursive and Seal Characters

Special Topic Studies in History of Ancient Chinese Literature

Special Topic Studies in History of Ancient Chinese Literature

Special Topic Studies in History of Contemporary-Present Chinese Literary

Special Topic Studies in History of Chinese Poems & Songs Special Topic Studies in History of Chinese Prose Writings

Special Topic Studies in History of Chinese Stories Special Topic Studies in History of Chinese Dramas

Consider the Constitution of Chinese Character Chinese

Special Topic Studies in History of Chinese Literary Criticism Special Topic Studies in Scientific History of China Special Topic Studies in Artistic History of China Special Topic Studies in Calligraphic History of China Special Topic Studies in Cultural History of China

Studies in History of Chinese Classics

Selected Translations in Ancient Chinese Poem & Word

Selected Translations in Ancient Chinese Prose Writings

Selected Translations in Ancient Chinese Novel Selected Translations in Ancient Chinese Drama

Selected Translations in Ancient Chinese Literary Theory

Selected Translations in Contemporary-Present Chinese

Literary Works

Selected Translations in Chinese Best-Selling Literary Works Selected Translations of Scientific Masterpiece in Chinese

Successive Generation

Reading & Translation in LunYu, MengZi, DaXue, and

ZhongYong

Reading & Translation in ShiJi, HanShu, HouHanShu, and

SanGuoZhi

Reading & Translation in the Five Classics

Selected Translations in Chinese Classic Publications of Korea

Studies in Recent Excavation Paleography
Studies in JiaGuWen, JinWen, and JianDu
Decoding Study in Korean-Chinese Manuscripts
Decoding Study in Ancient Chinese Characters

Studies in Translation Theory of Ancient Chinese Scriptures Studies in Translation Theory of Ancient Chinese Scriptures Arrangement Studies in Chinese Classic Publications of Korea

Arrangement Studies in Chinese Classic Publications of Korea

Arrangement Studies in Publications of ChonBuk District 1 – Historical Documents of District

Arrangement Studies in Publications of ChonBuk District 2 -

Literary Art of Non-Government

Development Studies in Translation Contents of Classical

Books

Arrangement Studies in Letters & Documents of Shrine,

Temple, Pavilion and Teblet

Department of Economics

Advanced Business History
Advanced Macroeconomics
Advanced Development Economics

Advanced History of Economy Theory

Advanced Econometrics I Advanced Econometrics II

Advanced Transportation Economics
Topics in International Economics

Topics in International monetary Economics

Advanced Monetary Economics Advanced Labor Economics

Advanced Urban & Regional Economics Advanced Eastern Asia Economics Advanced History of Oriental Economy

Advanced Cultural Economics
Advanced Microeconomics
Advanced Health Economics
Advanced Insurance Economics
Advanced Industrial Organization
Advanced History of Risk Management
Advanced Mathematical Economics

Advanced Environmental & Resource Economics

Advanced Public Economics
Advanced Information Economics
Advanced Political Economics
Advanced Institutional Economics
Advanced Regional Finance

Advanced Regional Development & Planning

Advanced Grocery Economics Advanced Korean Economy

Advanced History of Korean Economy

Advanced Welfare Economics Advanced Game Theory Topics in Derivative Securities Studies in Macroeconomics

Studies in Development Economics

Studies in History of Economy Theory & Thought

Studies Econometrics

Studies in Transportation Economics Studies in International Economics Studies in Monetary Economics Studies in Monetary Policy

Studies in Financial Investment Theory

Studies in Labor Economics Studies in Urban Economics 3 Studies History of Oriental Economy

Studies in Microeconomics I Studies in Microeconomics II Doctoral Thesis Credit

Studies in Insurance Economics
Studies in Industrial Organization
Studies in History of Europe Economy
Studies in Mathematical Economics
Advanced Theory of Risk Management

Studies in Fiscal Policy
Studies in Public Finance
Studies in Taxation Theory
Studies in Local Public Finance
Studies in Regional Economics
Studies in Economic History of Korea
Studies in Environmental Economics
Studies in Welfare Economics
Studies in Game Theory
Studies in Personnel Economics
Studies in Derivative Securities
Studies in Theory of Public Choice

Department of Education

Cognitive Theory and Instructional Design

Method of Educational Technology Research

Advanced in Instruction Method Studies of Instructional Psychology Instructional Systems Design Performance Technology

Advanced Instructional and Learning Theory

Information Superhighway and the internet in Education

Instructional Supervision

Web-based Instructional Programming Advanced Cognitive Teaching Method

E-learning and Instruction

Foundations of Data Analysis Multivariate Statistical Analysis

Seminar in Academic Counseling

Counseling Ethics and Counselor Education

Applying Psychological Testing in Counseling Practice

Personality and Mental Health
Theory and Practice of Counseling
Theory and Practice of Career Counseling
Theory and Practice of Group Counseling

Intelligence and Education

Learning and Individual Differences

Motivation in Education

Advanced Statistics for Education 1
Advanced Statistics for Education 2
Advanced Educational Evaluation
Comparative Study of Curriculum
Seminar in Curriculum Development
Method of Qualitative Research
Philosophy of Curriculum

Advanced Theories of Curriculum Analysis of Instructional Process

Multi-cultural Curriculum

Curriculum Evaluation

Seminar on Academic Capital and Distinction
Seminar on Education in Democracy and Capitalism
Seminar on Communicative Action and Education

Seminar Foucault and Education

Seminar on Social Polarization and Education Seminar on Popular Culture and Education

Seminar on Korean Society and Schooling for Entrance Exams

Curriculum and Cultural Reproduction
Seminar on History of Korean Education
Seminar in Educational Philosophy
Advanced Thoughts of Korean Education
Seminar on History of East-Asian Education
Advanced History of Western Education
Advanced Western Philosophy of Education
Seminar on Thoughts of Eastern Education
Advanced Modern Educational Thoughts
Advanced History of Korean Education
Colloquium on History of Education
Modern Thoughts and Education
Seminar on Philosophy of Counseling

Seminar on Adolescent Education Colloquium on Thoughts of Education Seminar on Alternative Education

Seminar on Education and Cultural Thoughts

Brain-Based Education

Thinking Processes and Education

Emotion in Education

Educational Understanding of Creativity

Education for Giftedness

Seminar in Learning Theories Theories of Cognitive Development Research Methodology in Education

Theory and Practice in Psychological Measurement Elementary & Secondary Education Administration

Educational Finance

Advanced Theories on School System
Advanced Organization Theories in Education

Theory of Educational Leadership

Case Study of Educational Administration

Education & Labor Market

Research Methods of Educational Administration

Theory of Educational Administration

Educational Reform

Special Topics on Economics of Education Educational Planning: Theory and Practice

Laws of Education

Decision-Making Theory in Education Higher Education Adminstration Personal Administration in School

Special Topics on Education & Human Resource Development

Seminar on Educational Policy Special Topics on Politics of Education Seminar in Comparative Education Special Topics on Supervision in School

School Management

Seminar in Program Development for Lifelong Education

Seminar in Lifelong Educational Management

Introduction to Lifelong Education Lifelong Education Practicum

Seminar in Lifelong Educational Methodology Seminar in Adult Learning & Counseling

Seminar in Lifelong Education

Studies in Lifelong Education Program Development

Theories in Adult Education Methods Studies in Lifelong Education Management

Department of English Language & Literature

Topics in Shakespeare

16th and 17th Century British Drama 19th and 20th Century British Drama Dramas of English-speaking Countries Contemporary British and American Drama

Seminar in Drama Theories of Drama American Drama Contemporary American Literature Contemporary British Literature Seminar in American Literature Seminar in British Literature British and American Female Authors

Third World Authors

Seminar in British and American Authors English Literature and Translation History of British and American Drama

Mathematical Foundation of Linguistics British and American Literature and Film

19th Century British Novel

19th Century American Novel Theory of English Semantics 1 20th Century American Novel Theory of English Semantics 2 20th Century British Novel Theory of English Syntax 1 Contemporary British and American Novel Theory of English Syntax 2

Novels of English-speaking Countries

History of British and American Novel Contemporary Grammatical Theory Theories of Novel Topics in Generative Grammar

Topics in Semantics

Formal Grammar

Topics in Syntax

English Phonetics

Seminar in British and American Novel

Theory of English Phonology 1 Literary Theories Theory of English Phonology 2 Afro-American Literature Discourse and Literature Generative Phonology Topics on Phonological Typology Comparative Literature

Realism in Literature Topics in Phonology

Contemporary Critical Theories Theory of English Teaching Method Post-colonial Literature **English Teaching Methodology** Feminist Literature **English Materials Development**

English Literature and Other Disciplines Language Testing Modern English 19th Century American Poetry

1st Half 20th Century British and American Poetry Discourse Analysis 2nd Half 20th Century British and American Poetry Socio-linguistics Language Planning

Romantic British Poetry Victorian British Poetry Historical Linguistics Renaissance British Poetry Psycho-linguistics

Neo-Classical British Poetry Topics in History of English

Pidjin and Creole Poems of English-speaking Countries Contemporary British and American Poetry **Pragmatics**

History of British and American Poetry English Morphology 1 17th and 18th Century British Literature English Morphology 2 18th Century British Literature Studies in Modern Grammar 19th Century British and American Literature Modern Phonological Theories

English Literature and Other Disciplines 20th Century British and American Literature British and American Literature before 20th Century English Literature and Translation

Department of French

Topics in the 19th-Century French Poetry Studies in Speech Correction Topics in the 20th-Century French Novel Topics in French Pragmatics Topics in the 20th-Century French Poetry Studies in Experimental Phonetics

Topics in Comparative Audiovisual Culture Between Korea and **Applied Phonetics**

France Studies in French Computational Linguistics

Studies in Nouveau Roman Computational Acoustic phonetics

Studies in Baroque Literature Methodology of Computational Lexicography Studies in French Enlightenment Studies in Korean-French Comparison Phonology

Topics in Scenography Methodology of French Translation

Studies in French Romantic Novel Topics in the Old Testament Methodology of Studies in French Novel Topics in the New Testament Topics in History of French Criticism

Topics in French Realism

Topics in Comparative Literature Studies in French Existentialism

Topics in Contemporary French Criticism Topics in Contemporary French Drama Topics in Medieval French Literature

Topics in French Art

Studies in Impressionism Art

Poetry & Image

Studies in Speech Sciences
Topics in French Phonology
Topics in French Syntax

Topics in Modern French Linguistics

Studies in French Semiotics Topics in French Stylistics

Studies in French Language and Information

Development of Item & Creating Stories

Studies in Europe Studies in Genre of Film

Studies in Europe Film Aesthetics

Digital Storytelling

Studies in Europe Culture Technology

Seminar in Directing Arts 1 Seminar in Directing Arts 2 Media Workshop in Field 1 Media Workshop in Field 2 Europe Media History

Europe Culture Industry Policies

Europe Culture Industry & International Management

Methodology of Europe Arts Marketing

Department of German Language & Literature

Topics in German Dialectology
Topics in German Phonology
Seminar in German Semantics
Topics in German Semantics
Theory of German Semantics
Seminar in German Word Formation
Topics in German Word Formation
Theory of German Word Formation

Seminar in German Syntax
Topics in German Syntax
Theory of German Syntax
Theory of German Morphemics
Topics in German Pragmatics
Theory of German Pragmatics

Seminar in the German Literature of the 18th Century Seminar in the German Literature of the 19th Century

Theory of German Text Linguistics
Topics in German Literary Science
Topics in Theory of German Literature
Topics in Theory of German Genres
Topics in German Comparative Linguistics

Seminar in German Novel
Seminar in German Poetry
German Language and Linguistics
Theory of German Phonetics & Phonemics

Topics in German Applied Linguistics Topics in German Text Pragmatics

Topics in German Writers

Studies in German Middle Literature German Contemporary Literature Seminar in German Drama

Seminar in Middle and Old German Language Topics in Middle & Old German Language Topics of German Text Lingulstics Theory of Modern German Grammar

Topics in Cultural Science

Seminar in Modern German Linguistics
Topics in Modern German Linguistics
Studies in German Enlightenment Literature
Studies in German Sturm und Drang Literature
Studies in German Classicism Literature
Studies in German Romanticism Literature
Studies in German Realism Literature

Studies in German Literature at the turning of the Century

Studies in German Expressionism Literature Studies in Modern German Literature

Studies in German Naturalism Literature

German Literature and Film Studies in German Novel Studies in German Poetry Studies in German Drama

Studies in German Literature Classified by the Subject

Studies in Comparative Literature Theory of German Literature Theory of German Linguistics

Department of History

Topics on the Ancient and Medieval History of East Asia

Topics on the Early Modern History of East Asia

Topics on Ming China Topics on Qing China)

Topics on the Modern History of East Asia Topics on the Contemporary History of East Asia

History and Culture of Tang-Song Period

Reading Historical Sources in Early Modern China Studies on Conquest Dynasties in Chinese History History of the Imperialistic Invasion in Far East Asia

Disputes on Chinese Revolution and Ideology in 20th Century

Various Issues on the Chinese Revolutionary Literature in 20th

Century

Seminar on the Conflict between Chinese Communist and

Kuomintang Party

Studies on Chinese World Order in History

Studies on the Political and Cultural History of China

China and East Asia in History

Topics on the History of Chinese Law System

Women in Chinese History

History of Cultural Exchange between the East and the West

Reading Synopsis of Eighteen History

Studies on the Historical Sources of the Ancient West

Topics on the Ancient History of the West

Studies on Western Classics Studies on Ancient Orient

Studies on the Historical Sources of Medieval Europe

Topics on the Ancient History of the West

Studies on the Historical Sources of Modern Europe

Topics on the Modern History of Europe

Studies on the Historical Sources of Contemporary Europe

Topics on the Comtemporary History of Europe

Studies on Medieval Church and Culture

Topics on the Theory of History

Studies on the History of Modern Revolutions

Studies on Renaissance and Reformation

Studies on Feudal Society

Studies on the History of Industrial Revolution Topics on the History of European Countries

Studies on Liberalism and Nationalism

Studies on Totalitarianism Studies on Imperialism

Studies on the History of Korean National Movement

Studies on the Contemporary History of Korea Studies on the Modern History of Korea Topics on the Modern History of Korea Studies on the Political History of Korea Topics on the Medieval History of Korea

Studies on the History of Korea
Studies on the History of Koryo Dynasty
Studies on the Local History of Korea
Studies on the History of Choson Dynasty

Topics on the Social and Economic History of Korea

Studies on Korean Paleography
Studies on the Ancient History of Korea
Studies on the Diplomatic History of Korea
Topics on the Modern History of Korea

Studies on the History of Korean Historiography Studies on the Intellectual History of Korea Topics on the Intellectual History of Korea Studies on the Relation History of Korea-China

Department of International Trade

Topics in Game Theory

Topics in International Economic Integration

Topics in Quantitative Analysis

Topics in International Monetary Economics Topics in International Financial Policy Topics in International Trade Theory Topics in International Capital Movement Topics in World Commercial Policy Topics in International Negotiation

Topics in International Negotiation
Topics in Multinational Corporation

Topics in Northeast Asian Economic Cooperation

Studies on Foreign Trade Administration Topics in Foreign Trade Administration

Studies on Electronic Trade
Topics in Electronic Trade
Topics in Marine Insurance
Studies on Game Theory
Studies on Quantitative Analysis
Advanced International Trade Theory

Studies on National Competitiveness in Global Economy

Studies on International Economic Relations
Studies on International Financial Market

Topics in International Trade Policy

Topics in the Global Area

New Issues in World Commerce

Topics in Theory of Foreign Exchange

Topics of FDI in China Topics in Korean Trade Studies on National Trade Law

Studies on Strategies of International Corporations

Topics in Strategies of International Corporations

Studies on International Marketing Topics in International Marketing Studies on World Trade Law Topics in World Trade Law

Topics in International Logistics

Studies on International Commercial Arbitration

Studies on International Futures and Options

Topics in International Futures and Options

Studies on International Transportation Topics in International Transportation

Studies on International Trade Payments

Topics in International Trade Payments

Studies on International Commercial Contract

Topics in International Commercial Contract

Studies on International Trade Customs

Topics in International Trade Customs

Studies on International Monetary Economics

Studies on International Financial Policy

Studies on Financial Innovation

Studies on International Technology Transfer

Studies on International Finance

Studies on World Commercial Strategy

Studies on International Investment

International Negotiation: Case Studies

Contemporary Issues in the Global Economy

Studies on Inducement Strategy for Global Firms

Studies on MNC & National Economy

Studies on International Trade Policy

Studies on the American Area

Studies on Commercial Policy for Service Trade

Studies on Time Series Analysis

Studies on the Asian Area

Studies on the European Area

Studies on Intellectual Property Policy

Studies on Commercial and Industrial Policy

Studies on Korean Trade

Studies on International Logistics

Studies on Law of International Commercial Transaction

Studies on Marine Insurance Studies on Overseas Markets

Department of Japanese Language & Literature

Methodology Studies of Multimedia Education

Studies in Japanese Ancient Literature

Topics in Japanese Classical Literature

Topics in Japanese Classical Poetry

Topics in Modern Japanese Literature

Studies in Modern Japanese Novel

Studies in Pre-modern Japanese Literature

Studies in Modern Japanese Writers

Studies in Japanese Literary Criticism

Methodology of Studies in Japanese Literature

Topics in Japanese Culture

Study of Japanese Folklore

Topics in the Teaching Method of Japanese

Special Topics of Japanese Teaching

Topics in Japanese Syntax

Studies in Japanese Grammar

Study on History of Japanese

Studies in Japanese Lexicology

Study of Japanese Phonetics & Phonology

Studies on Japanese Semantics

Study of Expressive Structure in Japanese

Seminar of Japanese Linguistics

Methodology of Studies in Japanese Linguistics

Special Topics in Japanese Linguistics

Studies on Japanese Language and Culture

Nation-state Building and Cultural Change in Japan

The Study on Culture as Way of Life in Japan

Studies in Medieval Japanese Literature

Methodology of Japanese Culture Studies

Studies in Contemporary Japanese Literature

Studies in Contemporary Japanese Novel

Studies in Contemporary Japanese Poetry

Studies in Korean's Literature in Japan

Studies in Comparative Linguistics: Korean and Japanese

Comparative studies in Korean-Japanese Literature

The Study on Modern Japanese Society

Department of Journalism & Communications

Studies in International Communication

Studies in Global Media Methods of Semiotics

Mass Communication and Social Research

Media & Social Change Media Industries Media and Civil Society

Theories in Popular Culture

Media Policy

History of Media Policy Theories in Multimedia Seminar in Cultural Studies **Broadcast Criticism** Theories in Broadcasting

Theories in Cyber Communication

Rhetorics

History of Communication Thoughts

Studies in Media History Media Ethics and Laws Visual Communications

Film Studies

Human Communications Studies in Journalism

Information and Cultural Industries Studies in Information Society Studies in Political Communication

Studies in Local Media

Data Analysis for Communications

Research Methodologies of Communications

Theories in Communications Political Economy of Communication Theories in Modern Mass Communication

Modern Society and Advertising Theories of Advertising Industry Methodologies of Qualitative Research

Korean Waves and Market of Asia Broadcasting

Seminar in Mass Communication 1 Seminar in Mass Communication 2

Digital Media and Culture

Advertising and Marketing Communication

Department of Korean Language & Literature

Studies in Ka-sa

Studies in Korean of Enlightened Period Korean Text Linguistics Studies in Koryo Enlightened Period

Topics in History of Korean Classical Works

Classical Korean Literary Thoughts and Their Backgrounds

Criticism of Classical Works

Bibliographical Review of Classical Works

Topics in Classical Korean Novel Studies in Classical Literary Text Topics in Classical Korean Writers

Korean Corpus Linguistics Studies in Korean Grammar History of Korean Grammar Stylistics of Korean Language

Studies in Korean Dialectology History of Korean Vocabulary Studies in Korean Phonology

Advanced Korean Phonology

History of Korean Phonology Studies in Korean Semantics Advanced Korean Semantics Bibliography of Korean Documents Korean Language and Information

Studies in Korean Syntax Advanced Korean Syntax

Studies in Korean Writing System Studies in History of Korean Linguistics Korean Sociolinguistics

Studies in Contemporary Linguistic Theory

Reading Confucian Texts

Seminar in Methodology of Classical Korean Literature

Topics in Performance Cultural Theory Topics in Popular Literary and Cultural Theory

Studies in Literary Aesthetics Topics in Literature Theory

Cultural Studies

Comparative Culture and Literature Special Topics in Traditional Aesthetics

Narratives of Pansori

Studies in the Early 20th-Century Literature

Advanced Korean Novels Advanced Korean Poetry Theory of Korean Theater

Studies in the History of Korean Modern Literary Thought

Topics in Korean Modern Literary History History of Korean Modern Criticism Studies in Korean Modern Criticism History of Korean Modern Novels Seminar in Korean Modern Novel Studies in Korean Modern Novels

Korean Modern Novels

Studies in History of Korean Modern Poetry

Seminar in Korean Modern Poetry

Methodology in Korean Linguistics Studies in Korean Morphology

Korean Pragmatics Studies in Modern Korean Studies in Folklores

Topics in Folksongs and Jab-ga

Studies in Old Poetry

Folk tales Studies in Si-jo Topics in Ya-dam Studies in Middle Korean

Comparative Studies on the Korean-Chinese Literature

Advanced Korean Modern Poetry

Korean Modern Poets

Studies in Korean Modern Poetry Advanced Korean Modern Writers

History of Korean Drama Studies in Korean Drama

Studies in Sino-Korean Literature Studies in Classical Korean Prose Topics in Chinese Classics Styles Topics in Sino-Korean Poetry

Department of Korean Social Ethics

Seminar in International Politics Studies in Taoist Thoughts Topics in Moral Education Topics in Democracy

Seminar in North Korean Problems

Topics in Social Ethics

Studies in Modern Chinese History

Seminar in Socialism

Seminar in Western Philosophy Studies in Confucian Sociology Studies in Confucian Classics

Studies in Instructional Theories of Ethics

Seminar in Ethics

Seminar in Natural Law Thoughts Topics in Ethics in information Society

Topics in Political Corruption

Topics in Political Sociology

Seminar in Modern Chinese History Topics in Chinese Philosophy Common Mind of Unified Korea Seminar in Korean Communism Studies in Chinese Modern Thoughts Seminar in Korean Neo-Confucianism

Seminar in Korean Sil-hak Seminar in Politics of Korea

Seminar in Chinese Religious Thoughts Topics in Contemporary International Order Seminar in Modern Political Thoughts Seminar on Contemporary Social Thoughts

Seminar on Contemporary Ethics Topics in modern Political Thoughts Seminar in Modern Political Theory

Department of Language and Literature Education — German Language Education (Doctoral only)

Teaching of the German Language
Teaching Materials of German
German Teaching with Media
Teaching Management and Evaluation
Teaching of German Literature

Studies on History of German Language

Teaching of German Grammar

Studies on Linguistics

Studies on Diachronic Linguistics Studies on German Novel Studies on German Drama Studies on German Author

Trends in Current German Literature

Comparative Studies of Korean-German Literature

Methods of 'Literaturwissenschaft'

Literature Criticism

Theory of Culture and Region

Literature and Media

Department of Language and Literature Education — Korean Language Education (Doctoral only)

Topics in Korean Phonology
Teaching Korean Grammar

Seminar on Education of Speech

Studies on Teaching Materials for History of Korean Language

Studies on Education of the Local Language Seminar on Instruction of the Korean Criterion Studies in Teaching Materials for 15th Century Korean Language Educational Research Studies on Curriculums of Korean Field Work in Korean Language Education

Evaluation and Teaching Materials of Korean Language

Seminar on Korean Language Education Studies on Education of Korean Modern Poetry Studies on Education of Modern Narrative

Studies on Education of Criticism

Studies on Education of Korean Modern Literature

Seminar on Education of Modern Poetry Seminar on Education of Modern Novel Seminar on Modern Literary Theory Teaching Korean for the Speaker of other Language

Teaching Korean Language Culture

Studies on Teaching Methods of Korean Language & Literature

Studies on Teaching Korean Syntax

Studies in Teaching Material of Korean Language as a Foreign

Language

Evaluation of Korean Language Studies on Teaching Oral Literature Studies on Classical Korean Expression

Studies on Education of Understanding Classic Literature Study of the History of Classic Literature Education Studies on Education of Classic Literature Genre Seminar on Education of Classic Literature

Methods of Teaching Speak Methods of Teaching Reading Methods of Teaching Writing

Studies on Education of Media Language

Department of Law

Fundamental Human Rights Governmental Structure

Representation

Comparative Studies in Constitution Study of Economy Constitution

Study of Legislation

Study of General Theory of State Fundamental Theories of Constitution

Theories of Constitutional Adjudication System

Case Studies in Constitutional Law Study on History of Constitution Study of Juridical System

Constitutional Law and Private Law Study of Human Rights Law Study of Democracy

Advanced Study of Fundamental Human Rights

Freedom of Speech

Information and Human Rights

State and Religion
Study of Property Rights
Study of Anti-discrimination Law
Study of Human Rights Theories
Study of American Constitutional Law
Study of German Constitutional Law
Study of Chinese Constitutional Law

General Theory of Administrative Law Study on Law of Administrative Acts Study on Law of Administrative Procedure Comparative Study of Commercial Law

Principle of Commercial Law Case Studies in Commercial Law Study of History of Commercial Law

Topics in Commercial Law

Study of Special Commercial Law Study of Negotiable Instruments Law Topics in Negotiable Instruments Law Case Studies in Negotiable Instruments Law

Study of Corporation Law Topics in Corporations Case Studies in Corporations Study of Antitrust Law

Study of Security Exchange Law Study of Commercial Arbitration Law Study of Economy Regulations

Study of Maritime Law Case Studies in Maritime Law

Study of the Foreign Law for Corporation

Study of Financial Law Study of Bank Law

Study of Reorganization Law

Case Studies in Decision of Antitrust Law Study of Chinese Corporation Law Study of Electronic Transaction Law General Theory of International Law Study on Law of International Institution Study on International Law of Human Rights Study of Administrative Private Law Study on Law of International Trade
Study of Information Law Study of International Environmental Law

Study of Economic Administrative LawStudy on Law of the SeaStudy on Law of Police AdministrationStudy on Law of Europe UnionStudy of Educational Administrative LawStudy on Disposal Law of International DisputeStudy on Law of Administrative ExecutionStudy on Commercial Law of Northeast Asian

Study on Law of Administrative Execution

Research in Administrative Adjudications

Study on Environmental Law of Northeast Asia

Study on Law of Administrative Compensation

Study on Disposal Law of Northeast Asian Dispute

Study on Law of Administrative Organization

Case Studies in International Law

Scientific Technique and International Law

Case Studies on Administrative Law 2 Study on Law of International Investment
Study of Local Government Law General Theory of Civil Procedure
Study of Environment Law Fundamental Principles of Civil Procedure
Study of City Law Study on Party and Acts of Procedure

Researchin Administrative Laws of Public Welfare General Study of Evidence
Study of Cultural Administrative Law Study of Theory on Justice
Lecture of English and American Administrative Law Study of Appeal System

Lecture of German Administrative Law

Study on Alternative Dispute Resolution

Study of Japan Administrative Law

Study on Joiner of Claims

Study of Chinese Administrative Law
Study of Particular Crimes 1
Study on Enforcement of Judgements

Study of Particular Crimes 2Study of Provisional RemediesCriminal IllegalityStudy of Northeast Asian Civil Procedure

Criminal Responsibility

Study of German Civil Procedure

Criminal Attempt and Accomplice Liability

Study of Anglo-American Civil Procedure

Study of English-American Criminal Law

Study of Special Criminal Act

Case Studies in Civil Procedure

Study of Criminal Sanction

Case Studies in Enforcement of Judgements

Advanced Criminal Cases 1 Study of Class Actions
Advanced Criminal Cases 2 Study of Civil Procedure on Medical Malpractice

Case Studies on Criminal Procedure
Study of Revival Process
Study of Criminal Policy
Study of Bankrupt Process

Study of Criminal Evidence General Theory of Labor Law
Study of Juvenile Crime and Justice System Study on Fundamental Rights of Labor

Study of Economic Criminal Law
Study on Law of Individual Labor Relations
Study of Executive Law
Case Studies of Social Law

Study of History of Criminal Law
Study of Investigative Law
Study of International Criminal Law
Study of International Criminal Law
Study on Law of Worker Compensation

Study of International Chillinal Law
Study of Japan Criminal Law
Law of Labor Hour and Rest Protection
Study of Chinese Criminal Law
Law of Discharge Protection

Study of Japan Private Law Law of Labor Body

Study of Northeast Asian Civil Law Social Security Law and Right Remedy

Topics in Juristical Act Law and Economics

Study of Cyber Juristical Act
Study on Protection of Software

Study on Theory of Alternation on Property RightStudy of Gender's LawStudy on Theory of ProprietorshipGeneral Study of Tax LawStudy on Theory of Registration SystemStudies in Law of Tax Contestation

Study on Theory of Cyber Property Act
Study on Law of Intellectual Property Rights
Study on Law of Usufructuary Rights
Study on Law of Individual Labor Relations

Study on Law of Secured Property Comparative Study of Labor Law
Case Studies in Law of Real Rights Study of Legal Informatics

Study of General Remarks on Law of Obligation

Study of Chinese Contracts Law Study of Special Sale and Purchase

U.N. Convention of Contracts for the International Sales of

Goods

Study on Theory of Administration and Unjust Enrichment

Study of Special Torts Case Studies in Torts Case Studies in Contracts

Study of Law of Domestic Relations

Study of Inheritance Law Case Studies in Family Law

Study on Theory of Modern Adoption Law

General Theory on Law of Will Study of Adult Guardianship Law Study of Law of International Trade

Study of Insurance Law
Case Studies in Insurance Law

Seminar on North Korean Legal System

Studies in Thesis

Research on the Labour Case Laws Theory of Social Insurance Laws

Labour Contracting Law

Social Security Laws and Social Policy Nonstandard Works: Law and Practice Employment Relation Laws and Policy

Social Welfare Laws

Industrial Relation Laws and Theory

Study on EU Trade Law Study on Treaty Law Study on property tax Law Study on consumption tax Law

Topics in Legal Idea
Topics in Legal Theory
Topics in Legal Axiology
Topics in Legal Epistemology

Department of Library & Information Science

Study of OPAC system

Topics on the Archives and Korean Bibliography

Advanced Management Policy Development of Public Libraries

Theory of Records Management Seminar in Record Management Seminar in Reading Guidance Library Building and Equipment

Library and Information Center Management

Topics in Library and Information Center Evaluation

Seminar in Library Networks Seminar in Oriental Bibliography

Advanced Classification of Oriental Old Books

Seminar in Digital Library Studies in MetaData

Advanced Library Information Programming Advanced Audio-Visual Information Retrieval

Theory in Library Instruction

Management of Internet Resources

Topics on Automatic Indexing and Abstracting

Topics in Natural Language Processing Seminar in Collection Development Topics in Theory of Information Retrieval Information Management Expert Systems Studies in Information Related Law Advanced Theory of Reference Services

Advanced Reference Services

Topics on Information System Management

Seminar in Information System Information User Study

Advanced Studies in Information Users

Studies in Information Power Seminar in Bibliotherapy

Topics on Knowledge Information Expert System

Classification Methods of Knowledge Seminar in School Library Management

Department of Philosophy

Studies in Philosophy of Science Seminar in Philosophy of Science

Studies in Confucianism of Ming Dynasty

Studies in Philosophy of Logic Seminar in Philosophy of Logic Studies in Hundred School Seminar in Hundred School Studies in Taoist Philosophy Seminar in Korean Confucianism

Studies in Metaphysics Seminar in Metaphysics Study in Social Ethics

Studies in Modern Philosophy
Topics in Modern Philosophy
Studies in Contemporary Philosophy
Studies in Confucianism of Ching Dynasty

Seminar in Taoist Philosophy

Study in Contemporary German Philosophy Seminar in Contemporary German Philosophy

Seminar in Oriental Philosophy Studies in Oriental Philosophy

Seminar in Confucianism of Ming Dynasty

Studies in Aesthetics Studies in Dialectic

Studies in Analytic Philosophy
Seminar in Analytic Philosophy
Studies in Buddhist Philosophy
Seminar in Buddhist Philosophy
Studies in Social Philosophy
Seminar in Social Philosophy

Topics in Ancient Medieval Western Philosophy Studies in Ancient & Medieval Western Philosophy

Studies in Korean Buddhist Philosophy

Studies in I-ching Philosophy

Studies in Korean Intellectual History

Studies in Korean Sil-Hak Studies in Korean Confucianism Studies in Confucianism Sung Dynasty Seminar in Confucianism of Sung Dynasty

Studies in Philosophy of Language Seminar in Philosophy of Language Studies in Philosophy of History Seminar in Philosophy of History Studies in Ancient Confucianism Seminar in Ancient Confucianism

Studies in Ethical Theory
Seminar in Ethical Theory
Seminar in Applied Ethics
Seminar in I-ching Philosophy
Studies in Theory of Knowledge
Topics in Theory of Knowledge
Studies in Philosophy of Religion
Seminar in Philosophy of Religion
Studies in Philosophical Antropology
Seminar in Philosophical Antropology

Seminar in Confucianism of Qing Dynasty

Thesis Study

Department of Political Science

Politics of Social Movements
Topics in Theory of State

Topics in International Politics

Studies in Theories of International Politics Political Leadership & Political Power

Studies in History of Oriental International Relations

Oriental Political Thoughts
Government & Politics of Russia
Government & Politics of U. S. A
Studies in North Korean Politics
Comparative Political Process
Studies in Comparative Politics

Foreign Policy of Non Alignment Block

Studies in History of Western International Relations

EU & European Politics

Parliamentary Politics & Election Marketing

Government & Politics of Japan

Electronic Government

Comparative Studies of Political Parties Topics in Methodology of Political Science Topics in Third World and Political Change

Government & Politics of China Local Politics and Policy Studies in Unification

Studies in Korean Diplomatic History & Foreign Policy

Public Relations & Negotiation-Persuasion

Political Process of Korea

Topics in Government & Politics of Korea

Topics in Korean Political Thought Contemporary Political Thoughts Studies in Modern Political Theory

Contemporary Latin American State & Politics Knowledge Network & International Politics

Seminar on International Relations of North-East Asia

Political Statistics & Analysis

Seminar on International Relations of the Third World Seminar on International Relations of Middle East Seminar on International Political Economy Political Economy of East Asia's Development

Theories of Foreign Policy

Seminar on Foreign Policies of Major States

Gender Politics & Policy
Seminar on Global Area Studies
Topics in Political Sociology
Topics in Political Psychology
Topics in International Politics

Seminar on Contemporary International Organization

Environmental Politics

Department of Psychology

Advanced Counseling Theory Advanced Cognitive Psychology Cognitive Psychotherapy

Advanced Psychology of Emotion

Counseling Supervision

Seminar in Memory & Cognitive Learning

Theories of Family Therapy

Advanced Psychology in Advertising

Advanced Social Psychology Advanced Industrial Psychology Advanced Physiological Psychology Advanced Personality Psychology

Economic Psychology

Advanced Personnel Psychology Advanced Psychology of Learning Psychology of Tourism & Leisure Culture & Social Psychology Psychology of Crime & Law

Social Perception Neuropsychology Psychology Diagnosis Research Methodology

Research Design & Data Analysis Advanced Psychological Research Advanced Engineering Psychology Theories of Work Motivation Attention & Performance

Counseling & Psychotherapy for Adolescence

Attitudes & Attitude Change

Psychotherapy

Psychobiology of Behavior
Practicum in Family Therapy
Advanced Consumer Psychology
Advanced Research Methodology
Advanced Clinical Psychology
Advanced Organizational Psychology
Advanced Practicum in Behavior Theory

Group Therapy

Advanced Behavioral Phamachology Practicum in Counseling & Psychotherapy Research Methods in Counseling Psychology

Cognitive Engineering Psychology Seminar in Cognitive Science

Research Methodology in Perception & Cognition

Advanced Vocational Psychology Healing in Meditation Psychology

Health Psychology Psychopathology Projective Technique

Department of Social Studies Education (Doctoral only)

Studies in Economics Geography Education

Studies in Tourism Geography

Studies in Urban and Economics Geography

Studies in Urban System

Studies in Traditional Society of East Asia Recent Trends in Ancient History of East Asia Studies in Teaching Materials for History of East Asia Understanding on Historical Materials–East Asia

Theories of History and History Education Issues in Socio-Economic History of East Asia Recent Trends in Medieval History of East Asia

Studies in Cultural Geography Studies in Social Geography Studies in Historical Geography Studies in Local Theory

Studies in Teaching Materials of Physical Geography

Topics in Physical Geography Studies in Political Geography

Historical geomorphology with quaterary studies
Studies in Cartography & Geography Information Systems

Studies in Instructional Design and Teaching-learning Methods

of Geography Education

Contemporary Age in Korean Histoty

Foreign Area Studies

Studies in Modern Environmentalism Studies in Economic Education

Studies in History of Economics Thought

Studies of Public Law Studies of Legal Theory

Seminar on Education and Social Charge

Studies in Modern Economics Study on Fundamental Human Rights Topics in Oriental Political Thoughts

Seminar in Korean Politics Topics in Comparative Politics Seminar on Socio-Cultural Education Studies in Socio-Economics History

Research Practicum in Methodology of Social Science Seminar on Social Development and Cultural Change

Special Research in Sociology Contemporary Age in Korean History Studies in Sociological Theory

Seminars in Western Economic History Seminars in Western Social History Seminars in Western Political History Studies in Curriculum Planning in Secondary School Geography

Studies in Educational Policy in Secondary School Geography

Studies in Evaluation of Geography Education

Studies in Regional Development Topics in Regional Studies Fluvial & Coastal Geomorphology History of History Education

Modern Age in Korean History

Research & Thesis Writing in History Education

Issues in Social History of Korea Issues in Political History of Korea

Ancient and Medieval Age in Korean History Studies in Landforms of Korea & world Teaching Methods in History Education Seminars in Western Intellectual History

Documents in Western History Seminar in Western Political Thoughts Comparative History Education

Topics in World Politics

Seminars in Bourgeois Revolution

Studies in Capital

Studies in the Sources of Modern Korean History

Studies in Modern Capitalism Topics in Modern Political Theory

Dissertation Research
Applied Geomorphology

Studies in History of Social Studies Studies in Social Studies Curriculum Methods in Teaching of Social Studies

Department of Social Welfare

Seminar in Social Work with Families Special Topics in Macro Social Welfare 1 Special Topics in Macro Social Welfare 2 Advanced Social Welfare Statistics 1 Seminar in Social Work Practicum 1 Seminar in Correction Social Work Seminar in for Elderly Welfare

Special Topics in Micro Social Welfare 1 Special Topics in Micro Social Welfare 2

Seminar in The Third Sector Seminar in Analysis of Poverty Seminar in Case Management Seminar in Social Security Topics in Social Welfare

Advanced Social Welfare Statistics 2

Seminar in History and Philosophy of Social Welfare

Studies in Social Welfare

Seminar in Social Welfare Ethics and Philosophy

Seminar in Social Welfare Policy
Seminar in Social Welfare Supervision
Seminar in Social Work Practice Theories
Seminar in Social Welfare Research

Seminar in Management of Human Service Organization

Seminar in Social Statistics 1 Seminar in Social Statistics 2 Topics in Social Welfare

Seminar in Qualitative Research 1

Seminar in Qualitative Research 2 Seminar in for the Child Youth Welfare

Seminar in Addiction and Social Work Practice

Suicide, Death, Forfeiture and Practice in Social Welfare

Seminar in Volunteer Management Seminar in the Disabled Welfare Seminar in Social Work In Mental Health

Seminar in Community Welfare

Seminar in Skill for Community Social Work Practice Seminar in Program Development & Evaluation

Seminar in School Social Work

Abuse and Neglect

Seminar in Korean Social Welfare History Seminar in International Social Welfare

Seminar in Family Therapy

Seminar in Sex, Sexuality and Social work Practice

Seminar in Mental Health

Studies in Thesis

Seminar in Human Right and Social Work Practice Seminar in Social Minority and Social Welfare Seminar in Social Welfare Service Network

Seminar in Social Service Seminar in Welfare State

Seminar in Multicultural Society and Welfare

Department of Sociology

Classical Sociological Theory

Cultural Studies & Social Theory

Studies on the Contemporary Sociological Theories Studies of Ecology & Society

Seminar on Social Thought Seminar on Agriculture and Rural Society

Sociology of Knowledge Studies of East Asia Area

Advanced Sociological Methodology Communication and Civil Society

Quantitative Research MethodLanguage and PowerAdvanced Social StatisticsOrganization, Institution, CultureQualitative Research Method 1Symbols and Social MovementsQualitative Research Method 2East Asia and Civil Society

Social Structure and Action Globalization and the Structural Change of Labor Market

Seminar on Regional Innovation System

Seminar on Comparative Sociology

Seminar on Urban Society

Seminar on Development of Local Society

Seminar on Development of Jeonbuk Province

Seminar on Economy and Society

Seminar on Community Studies

Seminar on Multi-cultural Society

Social Problems and Social Support

Seminar on Demography
Studies of Social Capital and Social Network

Sexuality Studies

Computational Models of Social Dynamics Families and Gender Issues

Interdisciplinary Dialogue on Trust: Theories and Applications Feminist Theories
Seminar on Social Stratification and Social Class Symbol and Social Space

Seminar on Social Change and Intimacy
Youth Labor Market and the Life Course
Seminar on Inequality and Poverty
Sociology of Religion

Seminar on Industrial Relations and Labor Movements

Seminar on Tradition and Modernity

Social Network Theories History and Society

Class and Social Polarization Studies on Korean Social History
Seminar on Amenities & Rural Development Seminar on Cultural Sociology

Modernity & Modern Culture Seminar on Sociology of Health

Comparative Studies of Confucian Culture Practicum of Social Research of Community

Seminar on Environment & Development Special Topics in Sociology 1
Practicum in Social Network Data Analysis Special Topics in Sociology 2

Seminar on Marriage and Family in the Information Society

Seminar on Korean Society

Department of Spanish Language and Literature

Spanish Linguistics Spanish Intellectual and Literary movement

Spanish Applied Linguistics

Spanish Contemporary Literature

Seminar in Study of Spanish Linguistics

Contemporary Spanish Women Writers

Spanish Syntax I 20th Century Spanish Short Stories
Spanish Syntax II Studies on the Spanish Film
Spanish Crammar

Spanish GrammarStudies on the Latin American FilmAdvanced Spanish ConversationMedieval Spanish LiteratureSpanish Grammar PracticeMedieval Spanish Prose

Spanish Writing Spanish Golden Century Literature

INTERDISCIPLINARY

Department of Advanced Organic Materials Engineering

Research Seminar in Advanced Organic Materials 1 L
Research Seminar in Advanced Organic Materials 2 L
Research Seminar in Advanced Organic Materials 3 L
Research Seminar in Advanced Organic Materials 4 L

Tissue Engineering 1
Tissue Engineering 2
Biocompatible Materials 1
Biocompatible Materials 2
Advanced Fiber Materials 1
Advanced Fiber Materials 2

Rubber Materials 1 Rubber Materials 2 Chromatography 1 Chromatography 2 Natural Organic Materials 1 Natural Organic Materials 2

Advanced Organic Electronic Materials 3 Advanced Organic Electronic Materials 4 Liquid Crystal Display Engineering 1 Liquid Crystal Display Engineering 2 Liquid Crystal Display Engineering 3 Liquid Crystal Display Engineering 4

Liposome Engineering 1
Liposome Engineering 2
Medicinal Natural Product 1
Medicinal Natural Product 2
Medicinal Genetic Engineering
Medicinal Biochemistry

Design and Synthesis of Biopolymers 1 Design and Synthesis of Biopolymers 2

Cosmetic Manufacture 1 Cosmetic Manufacture 2 Functional Cosmetic

Fragrance

Natural Biopolymers 1 Natural Biopolymers 2 Soft Nanomaterials 1 Soft Nanomaterials 2

Nanostructure of organic materials 1 Nanostructure of organic materials 2

Department of Applied Plasma Engineering

Plasma Engineering I Plasma Engineering Seminar I
Plasma Engineering II Plasma Engineering Seminar II
Plasma Chemistry Plasma Engineering Seminar III
Plasma Spray Coating Plasma Engineering Seminar IV

Plasma Metallurgy Plasma Diagnostics

Plasma CVD

Numerical Analysis for Plasma Simulation
Environmental Technology of Plasma
Plasma Processing of Nuclear Materials I
Aerospace Material Engineering

Plasma Processing of Nuclear Materials II

Plasma Nanopowder Synthesis

Plasma Processing of Semiconductor

Application of Plasma on Material Processing

Advanced Plasma Technology

Field Practice II

Field Practice III

Field Practice III

Field Practice III

Field Practice III

Department of Bio-active Material Science

Pesticide Metabolism Advanced Virology

Residue Chemistry Advanced Bioreaction Engineering
Pesticide Formulation Acting Mechanism of Bio-active Materials

Advanced Pesticide Chemistry
Advanced Weed Science
Studies in Organic Chemistry I
Studies in Organic Chemistry II
Advanced Organic Chemistry I
Advanced Organic Chemistry II

Medical Chemistry

Advanced Molecular Pharmacology

Pharmacogenetics
Advanced Cell Biology

Bio-active Materials and Bone Metabolism Regulation

Utility of Bioactive Materials in Orthodontics

Advanced Cellular Immunology Advanced Plant Molecular Biology

Advanced Immunology

Advanced Cell Signal Transmission Advanced Animal Cell Culture Bio-active Immunology

Advanced Functional Microbiology Pharmaceutical Synthetic Chemistry Natural Product Synthetic Chemistry

Synthesis & Application of Photodynamic Materials

Studies in Thesis

Bone Biological Pharmacology Immunology and Vaccine Immunologists in Nobel laureates Bioactive Material Chemistry

Applied Chemistry of Phytochemicals Statistical analysis of Bioactive material Data Research Ethics & Academic Regulations

Department of Bio-Nano System Engineering

Advanced Bio-Artificial Organs

Bio-NanoPatterning Nano Biomaterilas

Advanced Nano Measurement Engineering

BioMEMS

Advanced Microfluidics Nano Thin Film Engineering

Design & Analysis of Artificial Organs

Nano Biotextile Engineering

Advanced Regeneration Bioengineering

Nanoparticles Engineering Biofracture Mechanics

Organic Chemistry in Biotechnology Enzyme Engineering in Biotechnology

Bioheat Transfer

Nano Composite Materlas Nano Dental Materials

Techniques of Biocompatibility Evaluation Surface Analysis of Nanomaterials Design & Analysis of Implants Electromagnetism of Life Advanced Hemodynamics

Nanoscale Mechatronics & Manufacturing

Anvanced Nano Metals Advanced Nano Polymers Advanced Nano Ceramics

Nano Engineering & Clinical Medicine Nano Engineering & Life Science

Bio-Nanomachine Advanced Biosimulation Bio-Nanosensors

Nano Science & Micro Enguneering Bio-Nano System Engineering Seminar 1 Bio-Nano System Engineering Seminar 2 Bio-Nano System Engineering Seminar 3

Plasmamedicine Advanced Biosystems

Department of Bio-process Engineering

Advanced Cell Biology

Special Topics in Molecular Biotechnology

Advanced Biochemistry

Advanced Fermentation Chemistry Advanced Industrial Biotechnology

Microbial Technology

Advanced Genetic Engineering Special Topics in Protein Engineering Advanced Enzyme Technology

Manipulation of Gene

System Biology

Special Topics in Environmental Biotechnology

Advanced Food Biotechnology

Bioenergy Engineering

Advanced Computation in Biotechnology

Bioelectronic Engineering

Theory of Experimental Design in Biotechnology

Advanced Biopolymers

Special Topics in Biomaterial Engineering Manipulation of Instruments in Biotechnology Metabolic Engineering

Advanced Biochemical Engineering Special Topics in Bioprocess Engineering

Bioreaction Engineering Bioprocess Control Design of Bioreactor

Special Topics in Bioseperation Process

Biomedical GMP

Advanced Tissue Engineering Advanced Plant Cell Biotechnology Advanced Mammalian Cell Biotechnology Advanced Applied Microbiology

Biotechnology Seminar 1
Biotechnology Seminar 2
Bioprocess Seminar 1
Bioprocess Seminar 2
Thesis Research 1
Thesis Research 2
Thesis Research 3
Thesis Research 4

Department of Biotechnology

Advanced Mycology

Advanced Biotechnology of Functional Biomolecules

Proteomics Metabolomics Metagenomics

Microbial Biotechnology

Advanced Bioenergy Engineering Advanced Fermentation Biology Advanced Fermentation Chemistry

Advanced Herbology

Advanced Analytical Chemistry Advanced Molecular Biology Advanced Biological Control Advanced Bioinformatics Bioremediation Technology Advanced Biological Chemistry

Advanced Ecology

Advanced Biochemistry
Advanced Water Chemistry
Advanced Plant Physiology
Plant Biotechnology
Advanced Food Processing
Advanced Food Hygienics
Advanced Food Preservation
Advanced Food Additives
Advanced Food Chemistry
Advanced Medical Botany
Advanced Nutritional Chemistry
Advanced Organic Chemistry
Advanced Molecular Plant Pathology

Advanced Lipids Chemistry

Department of Clinical Speech Pathology

Topics & Practice in Cleft Palate Speech

Topics & Practice in Physiology Phonetics

Topics in Child Language Disorders Studies in Neurolinguistics Disorders

Topics in Aphasia & Related Language Disorders

Studies in Language Development Disorders

Topics in Speech Pathology
Topics Practice of Swallowing
Studies in Fluency Disorders
Studies in Communication Disorders

Clinical Practicum 1 Clinical Practicum 2

Topics & Practice of Experimental Phonetics

Studies in Clinical Psychology

Studies & Practice in Clinical Voice Disorders

Topics in Rehabilitation Medicine

Studies & Practice in Articulation and Phonology Disorders

Studies in Speech-Language of Autism

Studies in Speech-Language of Down's Syndrome Speech-

Language

Studies in Speech-Language Therapy for Pediatric

Development Disorders Children

Studies in Speech-Language Therapy for Mental Retardation

Studies in Speech-Language Therapy for $\,$ ADHD $\,$

Studies of Phonological Disorder

Anatomy and Physiology of Speech Organs Topics in Verbo-tonal Theory & Practice

Topics in Auditory Rehabilitation

Topics in Neuro Images

Studies in Speech & Language Assessment

Topics in Neuroscience

Studies in Pharmacology for Speech Pathologists Studies in Speech-Language of Cerebral Palsy Topics & Practice in Hearing Disorders

Studies in Computational Program for Speech-Language

Topics of Statistic Linguistics
Topics in Motor Speech Disorders

Studies in Swallowing Disorders and Dysphasia

Topic in Voice Therapy

Studies in Psychoacoustics Studies in Dysarthria & Apraxia Studies in Applied Speech Sciences

Clinical Observation

Topics in Velopharyngeal Inadequacy & Language Supervision

Department of Cognitive Science

Studies in Korean Phonology
History of Korean Vocabulary
History of Korean Phonology
Studies in Korean Semantics
Korean Language and Information
Theory of English Teaching Method

English Teaching Method English Phonetics

Theory of English Phonology Theory of English Semantics Theory of English Syntax Studies in Philosophy of Logic Studies in Metaphysics

Studies in Philosophy of Language

Studies in Ethical Theory Studies in Theory of Knowledge Studies in Philosophy of Science

Research Method in Library and Information

Theory in Library Instruction Information User Study Survey of Philosophy of Science Philosophy of Life Science

Biomedical Ethics

Philosophy of Physical Science Seminar in Cognitive Science

Theories of Human Information Processing

Cognitive Engineering Psychology

Research Methodology in Perception & Cognition Seminar in Memory & Cognitive Learning

Culture & Social Psychology Advanced Psychology of Learning Advanced Physiological Psychology

Psychobiology of Behavior

Neuropsychology
CAI Courseware Design
Advanced Cyber Education
Advanced in Instructional Method
Studies of Instructional Psychology
Advanced Educational Technology

Advanced Educational Evaluation and Psychological

Measurement

Analysis of instructional process Advanced Cognitive Teaching Methods Theory in Brain and Neural Network Thought and Problem Solving

Research Methods in Cognitive Science

Intelligent System
Learning and Memory

Computer Modeling of Cognition Foundations to Cognitive Science Studies in Clinical Psychology Advanced Virtual Reality Document Recognition Theory

Theory and applications in Neural Network

Topics in Artificial Intelligent
Topics in knowledge Engineering
Information Representation System
Pattern Recognition Theory

Electronic Commerce E-Business Strategy

Enterprise Resources Planning

Studies in Management Information System

Studies in Strategic Management

Department of Design & Manufacturing

Seminar for Design and Manufacturing Technique 1 Seminar for Design and Manufacturing Technique 2 Seminar for Design and Manufacturing Technique 3 Seminar for Design and Manufacturing Technique 4

Design Project

Interaction Design and Practice

Theory of Architect Housing Planning

Color Science Application 1
Color Science Application 2
Computer Aided Mold Design 1
Computer Aided Mold Design 2

Architectural Design Computer Aided Product Design 1 Interior Design 1 Computer Aided Product Design2

Interior Design 2 **Design Critics** Architectural Metaphysics **Design Semiotics**

Architectural Space planning Rapid Prototyping and Practice Design Marketing Seminar Design Materials

Emotional Design Design Production Process and Practice

Digital Design Design Environment and Practice Environmental Facilities Design and Practice Cultural Design

Korean Traditional Architecture Design Morphology and Practice

> Special Topic 1 Special Topic 2 Special Topic 3 Special Topic 4

Department of Energy Engineering

Instrumentation and Control System Eng. **Energy Policy** Chemical Engineering of Energy Technology Thermodynamics in Energy Systems

Light Energy Engineering AC Circuit Analysis Structural Dynamics

Case Study of Renewable Energy Systems Renewable Energy Systems Design Resources Recycling Engineering

Alternative Energy Seminar 1 Electrical Circuit Network Design Alternative Energy Seminar 2 Special Topics on Alternative Energy 1 Power Conversion Circuit Special Topics on Alternative Energy 2 Power System Engineering Solar Energy Conversion Alternative Energy Engineering Power Transmission Engineering Wind Energy Engineering

Embedded and Industrial Computer System

Hydrogen Energy Conversion Systems Modeling and Analysis

Energy Storage Eng. **Energy Economics Energy Engineering**

Energy Conversion Engineering

Environmental Engineering in Energy Systems

Combustion Technology Heat Power System Tele-monitoring

Modelling and Analysis of Electric Energy systems

Nuclear Energy Engineering

Studies in Thesis

Advanced Material Engineering **Advanced Composite Materials** Mechanical Behavior of Materials Structural Fatigue Design

Department of Energy Storage Conversion Engineering

Special Topics in Electrochemical Engineering Hydrogen and Fuel Cell Safety Engineering Special Topics in Transport Phenomena Special Topics in Materials for Fuel Cells

Advanced Thermodynamics in Fuel Cells Special Topics in Fuel Cell Materials and Manufacturing

Advanced Inorganic Chemistry Solid Oxide Fuel Cells

Special Topics in Solid Oxide Fuel Cells Advanced Organic Chemistry Advanced Surface Engineering of Solid Polymer electrolyte Membrane Fuel Cells

Advanced Polymer Chemistry Advanced Heat Treatments **Energy and Environment** Advanced Synthesis of Ceramics Research Trends in Green Energy Advanced Nano-ceramic Materials

Advanced Functional Materials **Battery Materials Battery Engineering** Advanced Ceramic Processing

Energy Storage System

Characterization of Nanomaterials

Computational Simulation of Energy Materials and Systems

Advanced in Hydrogen Energy Engineering

Special Topics in Hydrogen and Fuel Cell Engineering

Advanced Energy Conversion Engineering

Special topics in Chemical Reaction Engineering

Special Topics in Catalytic Engineering

Advanced Nanomaterials

Advanced Organic Material Engineering Advanced Inorganic Material Engineering Advanced Metallurgical Material Engineering Advanced Carbon-related Material Engineering

Advanced Solid State Chemistry

Manufacturing Processes for Secondary Battery

Advanced Secondary Battery

Special Topics in Battery Engineering

Advanced Nanomaterials for Energy Storage

Advanced Material Characterizations

Advanced Electro-Catalysis

Special Topics in Fuel Cell Engineering Advanced High Temperature Fuel cells

Electrochemical Measurements and Characterizations

Basic Experiments for Secondary Batteries

In-Situ and Ex-Situ Structural Analyses of Battery Materials

Elementary Training for Fuel Cells

Evaluation and Diagnosis of Fuel Cell Performance

Seminar 1 Seminar 2 Seminar 3

Educational-Industrial Complex Research 1 Educational-Industrial Complex Research 2 Educational-Industrial Complex Research 3

Department of English Education (Doctoral only)

Second Language Acquisition
Approaches and Methods in TESOL

Task-Based Instruction

Testing and Assessment in TEFL English Reading Instruction

Introduction to Second Language Research Methods

Communicative Language Teaching

Classroom Based Research English Writing Instruction Understanding Linguistics

Transfer and Interferences in Language Learning

Linguistics and Foreign Language Learning
Data Collection and Statistical Analysis in Corpus

Language Planning and Policies

Teaching Korean as a Second Language Syllabi for Language Teaching and Learning

Introduction to Research Design
Univariate Statistics in Research
Multivariate Statistics in Research 1
Multivariate Statistics in Research 2
Introduction to Qualitative Research
Practice in Qualitative Research
Psychology of Adolescents

Department of Healthcare Engineering

Advanced Sensory-motor System Sensibility Engineering Application

Sensibility Information Processing & Experiment

Motion Analysis & Experiment

Welfare Engineering

Advanced Bio-signal Measurement

Advanced Biomechanics Advanced Biomaterial Introduction to Neuro-science Biomedical Instrumentation Biomedical Sensor Engineering

Introduction to Bioelectronics

Intelligent Control Theory
Advanced Human Interface
Advanced Biochemistry
Topics on Human Physiology
Topics on Human Anatomy
Advanced Healthcare Health Foods

Healthcare Engineering

Experimental Projects in Healthcare Engineering

Advanced Healthcare Engineering Healthcare Device Technology Advanced Healthcare Device Design

Healthcare Database

Medical Physics Medical Imaging Topics on Artificial Organ Advanced Artificial Intelligence

Advanced Cognitive Science Rehabilitation Science

Rehabilitation Device Technology

Healthcare Sensor Theory

Advanced Healthcare Medical Supplies

Healthcare Embedded System

Healthcare Informatics

Healthcare Home Network

Advanced Ubiquitous Healthcare

Department of Housing Environmental Design (Doctoral only)

Advanced Studies of Korean Traditional Housing

Advanced Studies of Korean Modern Housing

Contemporary Housing Design Analysis

Comparative Studies of Housing Theory

Healthy Housing

Study on Urban Housing Environments

Korean Urban Housing for Hanok

Aging Friendly Housing Design

Special Topics in Kleingarten Housing

Housing Management in Contemporary Society

Research Methodology in Housing & Interior Design

Survey Method in Housing & Interior Design

Modern Housing Study

Environmental Psychology and Behavior in Housing

Space Marketing in Housing & Interior Design

Housing Welfare

Studies of Rural Housing Environment

POE of Planned Housing for Special Groups Society

Special Topic on Housing Sociology

Housing Seminar

Topics in Eco-wood Based Materials

Topics in Modified Wood 2

Traditional Wooden Frame Building

Advanced Numerical Analysis

Advanced Degradation of Housing Materials

Advanced Human Engineering and Housing

Analysis of Indoor Thermal Environment

Analysis of Indoor Air Quality

Advanced Healthy Housing

Study on Acoustic Eco-friendly Materials

Advanced Wood Physics Related to Housing

Advanced Housing Material Mechanics

Advanced Wood Drying and Processing 2

Study on Wood Anatomy and Interior Design

Studies in Thesis

Department of Image Engineering

3-Dimensional Display Techniques

Virtual Reality

Techniques for Generating Game Software

Broadband Communication Systems

Content-Based Image Database and Applications

Advanced Digital Signal Processing

Digital Image Processing

Video Editing and Practice

Digital Image Post Production

Digital Sound Post Production

Advanced Digital Communication

Multimedia Data Compression Techniques

Advanced Multimedia Database

Special Effects Production Techniques for Multimedia

Multimedia Processing & Application

Multimedia Contents and Character Design

Multimedia Communication Protocol

Motion Graphics

Color Engineering

Advanced Software Engineering

Theory of Visual Perception

Animation Techniques and Practices

Advanced Imaging Device

Image Design & Photographing

Planning of Media Production

Video Aesthetics

Image Industry Seminar

Image & Information Seminar

Instruments for Video Production

Image Pattern Recognition and Application

Web Design & Production

Acoustic Engineering

Advanced Artificial Intelligence

Advanced Internet Applications

Advanced Information Theory

Computer Graphics and Practice

Media Production Tools

Advanced Broadcasting Techniques

Computer Vision Special Projects

Modern Human-Computer Interface Techniques

Department of Information & Communication (Master's only)

Advanced Data Structure

Advanced Data Communication Network Advanced Digital Signal Processing Communication System Design Multimedia Database System Multimedia Communication

VLSI for Multimedia Communication
Advanced Coding and Information Theory

Image Processing Design

Advanced Mobile Communication Advanced Artificial Intelligence

Intelligent Multimedia Processing Applications

Integrated Circuits Design

Microwave Communication
Advanced Computer Architecture

Advanced Digital System Design for Communication Probability, Random Process and Detection Theory

Embedded SW Programming

IP Development and System Integration

RF IC Design SoC Architecture SoC Design Methodology Digital Integrated Circuit Analog Integrated Circuit

Department of Information Security Engineering

Computational Theory Higher Mathematics

Public Key Cryptographic Analysis Theory Advanced Computer Communication

Development Process of Cryptographic Facility

Block Cipher Analysis Stream Cipher Analysis System Security Seminar Cryptographic Mathematics Cryptographic Algorithm Cryptographic Theory Seminar

Digital Forensic

Quantum Cryptographic Image Information Security Operating System Security

Internet Security

Electronic Monetary Security

Advanced Privacy Protection

Information Security

Advanced Information Security
Information Security Protocol Seminar

Information Security Protocol

Information Theory
Biometric Authentication
Information Security Policy
Computer Communication Security
Computer Virus and Defence Systems

Key Management System
Pattern Recognition
IT Converged Security

Hacking and Attack Detection System
Theory of Modern Management Information

Modern Cryptographic Theory

Studies in Thesis

Department of Intelligence Vehicle System Engineering

HVAC in Automotive Engineering Studies in Automotive Engine

Spray Combustion Engineering

Advanced Vehicle Design

Vehicle Driving Performance Design Advanced Vehicle Inventive Design & Project

Automotive Environmental Engineering

Advanced Vehicle Welding Strength

Advanced Vehicle Material Advanced Vehicle Recycling

Advanced Vehicle Control Engineering

Advanced Vehicle Measurement and Instrumentation

Advanced Vehicle Mechatronics Advanced Vehicle Dynamics Vehicle System Engineering

Advanced Body and Chassis System Design Vehicle's Noise and Structural Vibration

Vehicle Random Vibration and Spectrum Analysis

Advanced Vehicle Material Strength

Special Topics in Accident Reconstruction and Safety Advanced Vehicle Electronics and Control System

Intelligent Vehicle

Seminar in Manufacturing Process

Advanced Automotive Production Technology

Advanced Welding Engineering
Automotive Manufacturing Processes

Automation of Automotive Manufacturing Processes

Robotics

Control of Friction and Wear

Department of International Cyber Trade & Area Study (Master's only)

Seminar on International Marketing Seminar on Foreign Trade Administration Seminar on International Commercial Contract

Seminar on International Trade Law Seminar on World Commercial Law Practice of Electronic Trade 1 Practice of Electronic Trade 2 Seminar on International Logistics Seminar on Studies on The China Area Seminar on Studies on The Japan Area Seminar on Studies on The Asia Area Seminar on International Business English Seminar on International Trade Payments Seminar on Overseas Markets Studies Seminar on International Politics Seminar on International Diplomatics

Department of Korean Music (Doctoral only)

Special Individual Instruction Major 1
Special Individual Instruction Major 2

Special Individual Instruction Major 3 Special Individual Instruction Major 4 History of the Ancient Korean Music History of the Medieval Korean Music Analysis of the Korean Music Melody

Analysis of the Korean Music Study of the Early Chosun Music Study of the Later Chosun Music Theory of Performance Project Study of Culture Technology

Study of the Korean Shamanistic Music

Study of Sanjo Music Aesthetic of Music Study of Music Creation Study of Pansori

Theory of Traditional Performance Study of the World Folk Music

Study of the Korean Shamanistic Rhythm Seminar in Traditional Performance

Music Acoustics

Theory of the Traditional Music Therapy Study of the Traditional Music Rhythm

Study of the Pre-modern Period Korean Music

Seminar in Instrumental Music Study of the Korean Folk Music

Management of Art

Theory of Stage Production
Seminar in Korean Music Theory

Department of Mechatronics Engineering

Advanced Instrumentation Engineering

Advanced Power Electronics Introduction to Electrical Circuit

Advanced Robotics Semiconductor Process

Micro Sensor

Electronic Circuit Design

Advanced Engineering Mathematics

Neuroelectronics Digital Control System Advanced Robot Vision Introduction to Mechatronics Linear System Control System Modeling Micro Actuator

Microsystems

Applied Instrumentation Engineering

General Sensor Engineering Topics on Advanced Control

Micro Transducer Introduction to Robot Vision Advanced Neural Networks Sequential Control Systems

Microprocessor Applications

Introduction to Intelligent Systems Advanced Intelligent Systems Advanced Intelligent Robot Control Advanced Mobile Robot Control

Vision-Based Control

Introduction to Optical Measurement

Sensor Network
Optimal Control Theory
Applied Electromagnetics
Optical Communications
Advanced Nonlinear Control

Department of Medicine Nutrition Therapy

Scope of Medicine Nutrition Therapy

Pharmacological Nutrition

Medical Statistics

Special Topics in Medical Nutrition Nutritional Support Team and Practice

Pathophysiology 1 Nutritional Biochemistry

Gastrointestinal Cancer and Nutrition Female Cancer and Nutrition

Renal Disease and Nutrition

Cardiovascular Diseases and Medical Nutrition Therapy Pediatric Disease and Medical Nutrition Therapy Metabolic Disease and Medical Nutrition Therapy Diabetic Disease and Medical Nutrition Therapy Autoimmune Disease and Medical Nutrition Therapy

Emergency Medicine

Exercise Physiology and Prescription

Skin Diseases and Nutrition Obesity and Nutrition

Introduction of Complementary & Alternative Medicine

Pharmaceutical Botany Health Psychology Epidemiology

Nutritional Biochemistry Lab Advanced Nutritional Education

Advanced Nutritional Evaluation and Practice

Nutrient Function and Metabolism Human Development and Nutrition

Nutrition and Aging

Current Issues in Nutrition

Nutrition Information Management

Special Clinical Nutrition

Current Topics in Medical Nutrition
Advanced Experimental Study of Food

Functional Food Food Hygienic Fermentation Foods Food Analysis Microbial Food

Traditional Food and Korean Food Fundamentals of Clinical Trials Clinical Practice Circular 1 Clinical Practice Circular 2 Clinical Practice Circular 3 Clinical Practice Circular 4

Alcoholic Liquor and Favorite Foods and Health

Counselling

Counselling Practice Value Leadership Nutrigenomics

Hospice and Nutrition Problem

Studies in Thesis Advanced Nutrition Pathophysiology 2 Medical Nutrition The

Medical Nutrition Therapy 1 Medical Nutrition Therapy 2

Advanced Nutritional Counseling and Education

Clinical Nutrition Research Clinical Nutrition Practice 1 Clinical Nutrition Practice 2 Clinical Nutrition Practice 3 Clinical Nutrition Practice 4

Department of Nano Science and Technology

Introduction to Nano Science

Nano Physics Nano Devices

Introduction to Nano Fabrication Technique

Nano-Fluidics Nano-Materials Organic Photo Materials

Nano Organic Materials Nano Polymer Materials Nano Chemistry

Structural Inorganic Chemistry Supramolecular Chemistry

Opto-electronic Properties of Nano Structure

Organic Ultra Thin Films
Ultra Thin Electroceramics
Bio-Nano Technology

Introduction to Molecular Electronics

Surface Chemistry Biophysics at surface Nano-Structure Analysis

Electrochemical Characterization of Interfaces

Nano Catalyst

Nano Science Advanced Laboratory 1 Nano Science Advanced Laboratory 2 Current Topics of Nano Science and Technology 1 Current Topics of Nano Science and Technology 2

Nano Science Seminar

Paper, Presentations and Patents

Optical System Design 1
Optical System Design 2
Advanced Photonics 1
Advanced Photonics 2
Advanced Optical Metrology 1
Advanced Optical Metrology 2
Advanced Laser Optics 1
Advanced Laser Optics 2

Studies in Thesis

Introduction to Electro-Optic System 1 Introduction to Electro-Optic System 2

Advanced Wave Optics 1
Advanced Wave Optics 2
Electron Optical System Design 1
Electron Optical System Design 2
Electro-Optical Metrology 1
Electro-Optical Metrology 2

Department of Nano Semiconductors and Displays

Introduction to Nano Engineering

Introduction to Displays

Advanced Semiconductor Physics 1 Integrated Circuit Processes Semiconductor Fabrication Process

Semiconductor Physics & Processing Laboratory

Special Topics in Nanochemical Processes Advanced Applied Organic Chemistry Special Topics in Physical Chemistry Special Topics in Quantum Chemistry) Nano-interface Chemical Reaction Kinetics

TFT-LCD

Introduction to Inkjet Printing Technology

Semiconductor Devices

Special Topics in Display Devices Special Topics in Nano Engineering Advanced Semiconductor Physics 2

Special Topics in Organic Light Emitting Displays

Special Topics in Inorganic Light Emitting Displays

Special Topics in Nonemissive Displays Special Topics in Field Emission Displays Special Topics in Inkjet Printing Technology Special Topics in Polymer Chemistry

Special Topics in Fabrication Processes of Semiconductor

Devices

Special Topics in Nanoscale Semiconductor Devices Special Topics in Organic Electronic Materials Special Topics in Electronic Materials Processing

Applied Optics

Optoelectronic Devices

Optical Properties of Semiconductors Special Topics in Photo Sensors

Seminar 1 Seminar 2

Department of Radiation Science & Technology

Measurement and Shielding of Radiation 1 Measurement and Shielding of Radiation 2

Special Topics in Radiation Biology Special Topics in Radiology Study of Nano-Structure by Radiation

Radiation Immunity Radiation Physics Health Radiology

Radiation Molecular Biology

Radiation Biology Radiation Cell Biology Study of Irradiation on food Study of New Material by Radiation

Radiation Image

Breeding and Genetics of Radiation

Radiology

Protection of Radiation Sickness Radiation Chemical Engineering Evaluation of Radioactive Environment

Radiation Environment

Special Topics in Radiation Physics

Special Topics in Radiation Chemical Engineering Special Topics in Radioactive Environment Application of Radioactive Isotopes

Management of Radioactive Waste Special Topics in Radioactive Waste Application of Non-Destructive Methods Introduction to Nuclear Engineering

Nuclear Power System Engineering

Laws and Regulations in Nuclear Management

Nuclear Structure Theory Nuclear Reaction Theory

Computation and Simulation in Radiation Science

Neutron Physics Nuclear Medicine **Nuclear Chemical Process**

Department of Records, Archives & Information Science

Paleography Management

Modern and Contemporary Korean Management System of

Records and Archives

Administration of Archival Center

Analysis and Design of Electronic Record Management System Seminars in Electronic Government

Archival Practice

Standards in Records and Archives

Research Methodology of Record, Archive and Information

Science 1

Archival Information Retrieval

Archival Metadata

Operation and Acquisition of Records and Archives

Arrangement and Classification of Archives

Appraisal of Records and Archives Preservation of Records and Archives

Reference Service in Records and Archives

Introduction to Archival Science

Seminars in Record, Archive and information Science 1

Introduction to Database

Management of Multimedia Records and Archives

Research of Analysis of Business Work Management of Electronic Records Analysis & Design of Information System Analysis of Information Architecture

Computer Programming

Administrative System-Records & Archives 1

Seminars in Advanced Issues in Law related to Records and

Archives 1

Policies of Record and Archive Management

Seminars in Historical Record and Archive Management

Seminars in Metadata

Seminars in Record. Archive and information Science 2

Studies in New-Media Seminars in Digital Archiving

Developments of Authority and Thesaurus

Seminars in Knowledge and Information Management Developments of Business Work in Record and Archive

Management

Seminars in Information Technology

Seminars in Preservation Policy of Electronic Records

Business Strategy of Records and Archives Administrative System-Records & Archives 2

Seminars in Advanced Issues in Law related to Records and

Archives 2

Studies in Paleography management

Research Methodology of Record, Archive and Information

Science 2

Reference Service in Records and Archives 2

Department of Science, Technology, and Culture

Seminar on Science and Technology Studies Issues in Science and Technology Studies

Readings in History of Science and Technology History of Contemporary Science and Technology Research Methodology of Science and Technology Studies

Issues in Science Culture

Study of the Contents of Science Culture
Planning and Management of Science Culture

Exhibition of Science and Science Museum

Modern Science Museum Studies

Science and Technology Communication

Issues in Science Education

Teaching and Learning for Science Education

Science Education and the Public Topics in Philosophy of Science

Issues in Philosophical Studies of Science and Technology

Philosophical Studies of Contemporary Science and

Technology

Scientific Research Ethics Information Technology Ethics Nuclear and Environmental Ethics

Topics in History of Science and Technology Issues in History of Science and Technology Science, Technology, and Modernization

Studies in History of East Asian Science and Technology

Topics in Social Studies of Science and Technology Issues in Social Studies of Science and Technology Social Studies of Advanced Science and Technology

Science, Technology, and the Civil Society

Study of Scientists and Engineers

Study of Scientific and Technological Institutes Topics in Science and Technology Policy

Issues in Science and Technology Policy

Study of the Regional Development of Science and

Technology

R&D and Research Institution Management Science and Technology Assessment

Study of the Laws concerning Science and Technology

Department of Software Engineering (Doctoral only)

Advanced Digital Communication Convergence

Mobile Contents Convergence System

Advanced Wireless Embedded Communication

Advanced Multimedia Communication System

Advanced Signal & System

Advanced Automatic Control

Sensor Applied Engineering

Introduction to Cryptography
Internet Communication System

Advanced Embedded System Programming

Energy Conversion System

Energy Engineering

Advanced F.A. & Applied System

Electric Motor Control System

Advanced Electric Application System

Advanced Electronic Circuit

Electronic Power Communication System Design

Intelligent Home Networks

Advanced Illumination Engineering

Information Security System Design

Advanced Ultra Wide Band

Communication ASIC Chip Design & Lab.

Advanced Software Engineering

Advanced Mechatronics

Advanced Computer Organization & Design

Advanced Digital Signal Processing

Department of Solar Energy Engineering

Special Topics in Solar Cell Devices

Special Topics in Polymer Science and Engineering 2

Photoelectrochemical Energy Storage and Conversion

Seminar on Semiconductor Related Processes Advanced Materials of Si-solar Cell

Experiment of Si-solar Cell Manufacture

Soft Matter Physics

Advanced Thermal Engineering in Semiconductor

Seminar on Semiconductor Devices

Circuit Theory with Solar

Engineering of Thin Film Growth

Power Connected Networks with Solar Cell System Special Topics in Solar Modules and System

Department of Sport Science

Studies in Measurement & Evaluation of Physical Education

Studies in Kinanthropometry

Studies in Evaluation and Test in Sport Skill

Topics in Motor Development Studies in Sports Biomechanics

Sports Biomechanics and Motor Control of Human Movement

Theory and Practice in Film Analysis Topics in Exercise and Aging Training of Advanced Sports Skill Biomechanical Analysis of Sports Skill Analysis of Clinical Sports Physiology

Analysis of Skeletal Muscle Function and Electrocardiogram

Evaluation

Analysis of Cardiorespiratory Function and Electrocardiogram

Evaluation

Analysis of Sports Nutrition and Ergogenic Aids Analysis of Sports Performance and Genetics

Analysis of Injury and Rehabilitation

Analysis of Exercise Testing and Prescription Programs

Analysis of Sports Immunology and Endocrine System

Topics in Sport Management
Topics in Sport Marketing
Topics in Sport Tourism
Topics in Sport Industry Theory
Topics in Sport Mass-media
Leisure Sports Information Theory
Method of Sport Teaching

Topics in Motor Learning and Control Topics in Leisure Sports Event Topics in Sports Psychology

Analysis for Studies on Motor Learning and Control Practices of Motor Development Assessment Studies in Physical Education for Infant & Child Topics on Counseling in Sport Psychology

Studies in Sport Sociology Topics in Sport Statistics

Research Method in Sport Science

Department of Technology Policy (Master's only)

Studies in Macroeconomics

Management Information System

Business Policy Managerial Statistics

Management Innovation and Leadership

Economic Forecasting
Studies in Econometrics

Understanding of Advanced Engineering Technology

Studies in Public Economics Advanced Engineering Economy Science and Technology Policy

Studies in International Financial Market Studies in International Commerce Policy Studies in International Investment Seminar in Techonoeconomics Technology Forecasting Technology Transfer Technology Policy

Business Financial Policy

Studies in Urban and Transportation Economics

Special Lecture on Marketing Studies in Microeconomics Semiconductor Industry

Studies in History of Industrial Technology

Economic Analysis for Systems

System Analysis R&D Management Cost Planning and Control

Studies in Resource and Environmental Economics

Financial Reporting and Analysis

Policy Decision
Case Studies in Policy
Topics in Policy Theories
Seminar in Policy Evaluation
Seminar in Policy Making
Tax Policy Seminar

Case Studies in Public Administration Seminar in Administrative Research Topics in Modern Administrative Theories

MEDICINE

Department of Dentistry

Biology of Dental Plaque Microbiology of Dental Caries Microbiology of Periodontal Disease Systemic Diseases Related to Dentistry Review of Recent Studies in Oral Microbiology

Infection Control in Dentistry

Viral and Fungal Infections Related to Dentistry

Immunology of Oral Diseases

Oral Neoplasm

Experimental Surgical Pathology Colloquium in Clinical Oral Pathology

Cytology

Odontogenic Cysts and Tumors Molecular Diagnosis of Cancer

Surgical Pathology of the Salivary Glands

Molecular Biotechnology

Signal Transduction of Oral Cancer

Cancer Cell Biology

Molecular Target for Cancer

Chemotherapy

Experimental Animal for Cancer

Apoptosis

Cell Cycle Regulation General Pathology of Cancer

Neuroendocrinology Electro-physiology Dental Neurophysiology Molecular Cell Physiology Receptor Physiology Neuro Transmitters

Physiology of Central Nervous System
Physiology of Autonomic Nervous System

Physiology of the Oral Structure Physiology of Orofacial Pain Physiology of Tooth Pulp Pain Physiology of Mastication Physiology of Salivary Glands

Hormones and Nutrition Affecting Oral Structure

Physiology of Mineralized Tissue

Physiological Changes in the Aging Mouth

Salivary Gland Saliva Chemistry Dental Cytochemistry

Molecular Biology of Oral Cancer

Clinical Chemistry

Immunochemistry

Endocrinology and Metabolic Disorder

Maxillofacial Distraction Osteogenesis I Maxillofacial Distraction Osteogenesis II

Bone Graft

Orthognathic Surgery Salivary Gland Surgery

Advanced Salivary Gland Surgery Diagnosis of Head and Neck Tumor Surgery of Head and Neck Tumor

Oral Cancer Surgery

Autotransplantation of Teeth Advanced Pre-prosthetic Surgery Advanced Orthognathic Surgery Oral & Maxillofacial Teratology Etiology of Cleft Lip and Palate Management of Cleft Palate Patients Speech Therapy of Cleft Palate Patients

Speech Therapy of Velopharyngeal Insufficiency Patients

Management of Dysphagia

Surgery of Temporomandibular Joint

Dental Anesthesiology General Anesthesiology Maxillofacial Emergency

Pediatric Oral and Maxillofacial Surgery

Maxillofacial Microsurgery
Clinical Head and Neck Anatomy
Oral and Maxillofacial Plastic Surgery
Oral and Maxillofacial Cosmetic Surgery
Oral and Maxillofacial Implant Surgery
Oral and Maxillofacial Implantology

Head & Neck Infection

Geriatric Oral & Maxillofacial Surgery
Oral and Maxillofacial Infection

Extraction of Teeth

Complications of Oral and Maxillofacial Surgery I Complications of Oral and Maxillofacial Surgery II Introduction of Growth and Development Craniofacial Growth and Development Psychologic Growth and Development

Development of Teeth

Anomalies of the Developing Dentition

Dental Cardiology

Fluorides in Caries Prevention Diagnosis of Incipient Caries Lesions

Esthetic Restorative Dentistry for the Children

Bio-materials in Pediatric Dentistry Pulp Therapy for the Primary Dentition Clinical Dental Nutrition

Pathology Basis of Dental Caries

Oncogene and Tumor Suppressor Gene

Metabolism

Gene Expression and Regulation

Cell Signal Transduction Gene and Cell Therapy Chemistry of Protein Function

Oral Molecular Biology Geriatric Biology in Dentistry

Craniofacial Biology

Aging and Oral Biology

Central Nervous System in Dental Field Mineralized Tissue Biology in Dental Field Anatomy of Temporomandibular Joint Applied Anatomy of Head and Neck

Craniofacial Structure and Functional Biology

Research in Head & Neck Anatomy

Extracellular Matrix

Congenital Orofacial Teratology

Neurobiology

Clinically Applied Anatomy Cell Biology for Dentistry

Salivary Gland Masticatory System Seminar in Anatomy Bone Cell Biology Organogenesis

Bio-informatics in Dentistry
Tooth Development
Craniofacial Development
Molecular Genetics in Dentistry

Molecular Embryology Periodontal Regeneration

Microbial Ecology of Dental Plaque

Control of Dental Plaque

Chemotherapeutic Agents for Controlling Oral Diseases

Molecular Biology in Oral Disease Prevention

Natural Products for Oral Diseases

Clinical Applications of Natural Products for Oral Diseases

Host Responses in Oral Disease Prevention

Phytochemical and Biochemical Approaches in Oral Diseases

Oral Health and Ouality of Life

Water Fluoridation and Prevention of Dental Caries

Oral Health Education for Life Cycle Management of Dental Care and Hospital

School Oral Health

Advanced Study of Life Security in Dentistry

Oral Epidemiology

Advanced Study of Water Fluoridation

Immunopharmacology
Advanced Bone Pharmacology

Immunopharmacology in Periodontal Disease

Pulp Therapy for Young Permanent Teeth

Prosthetic Management for the Children and Adolescents

Occlusal Guidance in Children

Preventive Orthodontics in Pediatric Dentistry

Orthodontics in Pediatric Dentistry
Functional Appliance in Growing Children

Periodontal Diseases in Children Traumatic Injuries to the Teeth Oral Surgery in Pediatric Dentistry Dentistry for Handicapped Children Conscious Sedation in Pediatric Dentistry General Anesthesia in Pediatric Dentistry

Advanced Hospital Dentistry
Contemporary Clinical Orthodontics

Cephalometric Analysis
Diagnosis of Malocclusion
Functional Jaw Orthopedics
Preventive Orthodontics

Maxillofacial Growth & Development

Orthodontic Biomechanics Surgical Orthodontics Adult Orthodontics Esthetic Orthodontics

Orthodontic Treatment of Maxillofacial Deformity

Orthodontics of Cleft Lip and Palate

Orthodontic Biomaterial

Historical Background of Orthodontics

Orthodontic Treatment and Temporomandibular Joint

Retention and Relapse in Orthodontics

Advanced Cell Biology Orthodontic Immunology

Orthodontic Signal Transductive Biochemistry

Cell Culture and Differentiation Induction of Periodontal

Ligament Cell

Bio-active Materials and Bone Metabolism Regulation

Utility of Bio-active Materials in Orthodontics Periodontal Remodeling and Stem Cell Utility of Stem Cell in Orthodontics

Etiology of Malocclusion Orthodontic Biology

Diagnosis in Orthodontic Surgery

Orthodontic Treatment in Primary Dentition Orthodontic Treatment in Mixed Dentition Orthodontic Treatment and Periodontium

Orthodontic Treatment and Craniomandibular Disorders

Biology of Pulp and Periradicular Tissue Seminar in Clinical Conservative Dentistry

Clinical Application of Orthodontic Mini-Implant

Seminar in Clinical Endodontics Non-surgical Endodontics Esthetic Restorative Material

Adhesive Mechanics

Biology of Mineralized Tissue

Advanced Molecular Pharmacology Conservation of Vital Pulp and Pulp Response Recent Techniques in Molecular Pharmacology Pathosis of Pulp and Periradicular Disease

Surgical Endodontics Pharmacogenetics Methods in Pharmacology Ceramic Inlay

Pulpal-Periodontal Interrelationship Pharmacology of Hard Tissues Molecular & Cellular Proteomics Microscope in Endodontics Advanced Developmental Biology Indirect Esthetic Restoration

Protein Engineering Posterior Composite Resin Restoration Stem Cell & Proteomics Canal Preparation with Nickel-Titanium File

Protein Engineering & Developmental Genetics Pulp Biology

Principles and Practice of Cavity Preparation **Developmental Biology & Proteomics**

Endodontic Instruments

Special Topics in Stem Cell & Proteomics Tooth Bleaching Dental Material Science **Endodontic Microsurgery**

Surface Science of Dental Bio-materials **Dental Material Toxicology**

Dental Bio-active Materials Principles and Practice of Root Canal Preparation Nano Dental Bio-materials Dental Traumatic Injury Biomechanics in Dentistry Advanced Prosthodontics I

Advanced Prosthodontics II Test Method of Dental Bio-materials

Dental Polymer Materials Research in Crown and Bridge Prosthodontics I Dental Adhesive Materials Research in Crown and Bridge Prosthodontics II

Dental Ceramic Materials Dental Ceramics Dental Aesthetic Restorative Materials Occlusion

Special Topics in Proteomics & Developmental Genetics

Dental Anticariogenic Restorative Materials Principles of Mandibular Movement

Dental Metallurgical Materials Esthetic Dentistry I Dental Precious Metal Alloy Esthetic Dentistry II

Advanced Fixed Prosthodontics Precision Casting of Dental Allovs Advanced Dental Implantology I **Dental Implant Materials**

Advanced Dental Implantology II Dental Laser

Advanced Oral medicine Advanced Dental Implantology III Advanced Orofacial Pain Advanced Dental Implantology IV Advanced Oral Diagnosis Research in Complete Prosthodontics Advanced Forensic Dentistry Geriatric Prosthodontics

Temporomandibular disorders and Occlusion Dental Implantology I Oral Mucosal Diseases Dental Implantology II

Literature Review in Complete Denture **Advanced Gerodontics** Oral Viral Infections Literature Review in Dental Implantology I

Saliva and Salivary Gland Diseases Literature Review in Dental Implantology II Dental Management of Snoring and Sleep Apnea Clinical Removable Prosthodontics Practice I

Laser Dentistry Clinical Removable Prosthodontics Practice II

Sports Dentistry Clinical Prosthodontics I Clinical Prosthodontics II Dental pharmacology Pain and Behavioral Science Clinical Fixed Prosthodontics Practice

Bone and Neuromuscular Science of Head and Neck Perio-Prosthodontics

Literature Review in Crown and Bridge Dental health policy and management

Radiation Physics Research in Partial Prosthodontics Radiation Biology Advanced Maxillofacial Prosthodontics Nuclear Medicine Literature Review in Partial Prosthodontics Radiation Protection Advanced Removable Prosthodontics

Diagnostic Images of Head and Neck Anatomy Clinical Periodontology I Diagnostic Images of Temporomandibular Joint Clinical Periodontology II Special Diagnostic Images of Temporomandibular Joint Clinical Implantology I Clinical Implantology II

Ultrasonographic Images of Head and Neck

Magnetic Resonance Imaging Digital Diagnostic Images

Diagnostic Images of Paranasal Sinus Diagnostic Images of Salivary Gland Diagnostic Images of Trauma Diagnostic Images of Tumors

Diagnostic Images of Systemic Disease Radiation Therapy of Oral Malignancy Advanced Oral & Maxillofacial Traumatology Maxillofacial Reconstructive Surgery Oral & Maxillofacial Prosthodontics

Advanced Oral & Maxillofacial Surgery

Tissue Engineering

Clinical Periodontal Practice L Clinical Periodontal Practice II Fundamental Periodontology I Fundamental Periodontology II Fundamental Periodontal practice I Fundamental Periodontal practice II

Fundamental Implantology I Fundamental Implantology II Geriatric Periodontology Perio-Prosthodontology Perio-Endodontology Esthetic Periodontology

Studies in Thesis

Department of Medical Science

Seminar on Medical Science 1 Seminar on Medical Science 2

Seminar on Biomedical Science 1 Organic Chemistry for Medical Science Seminar on Biomedical Science 2 Radiopharmaceutical Chemistry Currents Trends in Medical Sciences 1 Basic Medicine Introduction 1 Currents Trends in Medical Sciences 2 Basic Medicine Introduction 2

Medical Bioinformatics Stem Cell Biology Advanced Immunology Immunochemistry

Microbial Immunology Bacterial Infection and Immunity

Advanced Bacteriology

Viral Infection and Immunity

Pathogenesis

Ultrastructural Pathology Pathology of Human Tumors

Pathogenesis and Response of Human Diseases

Comparative Endocrinology Human Structure and Function

Metabolism Lipidolgoy

Molecular Pharmacology Ion Channel and Human Diseases

Advanced Embryology Cell and Tissue Biology Human Structure 1 Human Structure 2 Calcium Signaling

Molecular and Cellular Immunology

Basic Immune Diseases Cellular Reprogramming Human and Virology

Tumor Biology Cell Biology

Forensic Science Forensic Entomology

Methodology in Medical Science Research 1 Methodology in Medical Science Research 2

Basic Cell Biology 1 Basic Cell Biology 2

Biomedical Basis for Human Diseases 1 Biomedical Basis for Human Diseases 2

Nanomedicine Molecular Imaging **ROS Physiology** Signaling Physiology Physiology Seminar 1 Physiology Seminar 2 Neuropharmacology 1 Neuropharmacology 2 Pharmacology Methodology 1 Pharmacology Methodology 2 Biology of Endothelial Cells

Animal Models of Kidney Diseases Experimental Approaches in Acute Kidney Injury Immunologic Approach for Pulmonary Disorders Up-to-date View of Chronic Airway Disorders General Concept for Allergic Disorders

Microanatomy of Dendritic cell Musculoskeletal Disease of Pediatric

Musculoskeletal Oncology

Endocrinology

Latest Knowledge of Chronic Disease Management

Experimental Neurology I Recent Advance in Neurology Human Genetics

Nutrition

Oncology at a glance

Gerontology

Recent Advances in Molecular Biology

Advanced Pharmacology
Drugs of Cardiovascular Disease

History of Medicine Neuroanatomy

Microanatomy of Endocytotic vesicle

The Vertebra

Orthopaedic Traumatology

Surgical Introduction of Animal Research

Surgery in Animals Behavior Tests in Animals Pediatric Hematology Pediatric Oncology gastroenterology

Research Ethics & Writing in Science

Department of Medicine

Hepatobiliary Pathology

Seminar on Basic Medical Sciences 1 Seminar on Basic Medical Sciences 2

Endocrinology

Pathology of Reticuloendothelial System

Advanced Immunology
Immunochemistry
Microbial Immunology
Microbial Genetics
Microbiology Experiments
Ultrastructural Pathology
Advanced Virology

Radioimmunoassay Pathogenesis

Molecular Immunology Molecular Biology

Comparative Endocrinology Comparative Physiology Pathology of Urinary System Seminar in Physiology 1 Seminar in Physiology 2

Physiology Experiments
Biochemical Experiment
Current Trends Biochemistry
Advanced Bacteriology
Advanced Cell Biology
Pediatric Pathology

Pathology of Cardiovascular System

Cardiovascular Physiology Neuropathology Neurophysiology Renal Physiology Renal Pharmacology

Signal Transduction and Regulatory Physiology

Pathology of Inflammation Surgical Pathology Gastrointestinal Pathology Recent Advance in Assisted Reproductive Technology of

Female Reproduction
Urinary Tract Infection

Urolithiasis

Urinary Tract Obstruction

Genetic Diseases

Gestational Trophoblastic Disease Medical Disease in Pregnancy Invasive Cancer of the Cervix Surgery of Spine Spinal Cord

In Vitro Fertilization-Embryo Transfer

Menopause

Hepatobiliary Surgery
Surgery of the Shoulder
Geriatric Psychiatry
Cerebral Vascular Surgery
Diseases Colorectal
Head and Neck Surgery
Head and Neck Oncology

Microsurgery

Nasali and Paranasal Sinus Anatomy and Physiology

Pancreas and Spleen
Biological Psychiatry
Biomechanics
Pediatric Orthopedics
Gastroenterological Surgery

Hand Surgery
Sports Injuries
Surgery of the Knee
Oncology in CNS
Neurotraumatology
Neuro-Otology
Maxillofaclal Trauma
Electrocochleophysiology
Surgical Immunology
Surgical Nutrition

Surgery Complication

Applied Physiology

Methodology in medical Science Research 1

Methodology in medical Science Research 2

Current Trends in Medical Sciences 1 Current Trends in Medical Sciences 2

Clinical Immunology Clinical Biochemistry

Seminar on Clinical Medicine 1

Seminar on Clinical Medicine 2

Tumor Immunology Pathology of Tumor Advanced Mycology Body Fluid Physiology

Antimicrobial agents and Chemotheraphy

Pathology of Respiratory Tract

Health Promotion and Health Education

Teratology

Anatomy of Endocrine System

Geriatric Health Gerontology Metabolism Tocicology

Epidemiology of Chronic Degenerative Disease

Anatomy of Immune System Immunohistochemistry Advanced Embryology Health Informatics

Biostatistics

Public Health Administration

Molecular Pharmacology

Anatomy of Urinary & Reproductive System

Occupational Health

Occupational and Environmental medicine

Biomenbrane Bioenergetics

Cell and Tissue Biology

Pharmacology of Drugs Acting Gastrointestinal Tract

Anatomy of Digestive System Water and Electrolyte Metabolism Anatomy of Circulatory System System analysis and Database Advanced Neuroanatomy

Advanced Neurochemistry Cardiac Pharmacology Pharmacology and Lab.

Current Trends in Pharmacology

Drug Metabolism
Drug Interaction

Principles of Epidemiology

Research Designs for Epidemiological Studies

Anatomy of Locomotor System
Applied Electron Microscopy in Biology

Human Genetics

The Breast

Anatomy and Embriology in Ear Part

Ent Allergy

Development of Personality Personality Disorders

Pharyngology General Rhinology

Consultation-Liaison Psychiatry

Mood Disorder Psychiatric Diagnosis Psychopathology Psychoanalysis Schizophrenia

Psychophysiologic Disorder Psychopharmacology History of Psychiatry Psychotherapy

Orthopedic Arthroscopy Orthopedic Microsurgery Orthopedic Oncology Update in Orthopedics Orthopedic Anatomy

Surgery of the Ankle and Foot

Surgery of the Spine

Structure and Function of the Skin Histopathology of the Skin

Vascular Surgery

Burns

Laryngology

Connective Tissue Disease Coronary Artery Surgery Papulosquamous Diseases

Leprosy

Ocular Disorder Associated With Systemic Disease

Skin Diseases due to Physical Agents

Viral Dermatoses

Management & Control of Hospital Infection

Industrial Ophthalmology
Pigment Anomaly
Congressive Congressive

Congenital Cardiac Surgery Pediatric Ophthalmology

Pruritus and Neurocutaneous Diseases

Vesiculobullous Dermatoses
TransfusionMedicine
Eczematous skin disease
Surgery of the Esophagus
Neuro-ophthalmology
Protection of Myocardium
Cardiac Valvular Surgery

Deep Mycoses

Surgery of the Conduction System Cardiopulmonary Dynamics Heart-Lung Transplantation Human Nutrition Seminar of Cardiovascular Diseases

Clinical Epidemiology Ocular Immunology
Pharmacology of Drugs Acting on Autonomic Nervous System Ocular Oncology

Electrophysiology Hereditary Skin Diseases
Epidemiology of Infectious Disease General Ophthalmology

Oncology Laboratory instrumentation
Pharmacology of Drugs Acting on CNS Clinical Microbiology

Community Medicine Clinical Virology

Pharmacology of Analgesics Clinical Systemic Mycology
Physical Anthropology Clinical Chemistry
Anatomy of Special Sense Organs Q.C of Laboratory Tests
Anatomy Seminar Cancer Cytogenetics

Anatomy of Respiratory System Diagnostic Immunology

Environmental and Occupational Toxicology

Environmental Health

Environmental Impact Assessment

Enzymology

Diagnostic Molecular Microbiology

Diagnostic Molecular Biology

Diagnostic Cytogenetics

Diagnostic Hematology

Diagnostic Radiology of Hepatobiliary System Diagnostic Serology
Recent Advanced in Infectious Diseases Diagnostic Enzymology

Recent Advanced in Collagen Disease Extracorporeal Circulation & assist circulation

Local Anesthesia Therapeutic Ophthalmology

Diagnostic Radiology of Musculoskeletal System Surgery of Lung and Pleural Disorder

Internal Medicine & Experiment

Endourology, Interventional Radiology

Geriatric Anesthesia

Dermatologic Immunology

Parant Advance in Matchelia Disease

Recent Advance in Metabolic Disease Diseases of the Skin Appendages

Diagnostic Rad-iology of Head and Neck

Cerebral Physiology for Anesthesia

Cardiovascular Physiology for Anesthesia

Cardiovascular Physiology for Anesthesia

Cardiovascular Physiology for Anesthesia

Cardiovascular Physiology for Anesthesia

Anesthetic Pharmacology
Anesthetic Complication
Obstetric Pathology
Lipidology

Respiratory Physiology for Anesthesia Degenerative Arthritis

Diagnostic Radiation Physics Introduction to Rehabilitation Medicine

Radiologic Anatomy Electrodiagnostic Medicine

Molecular Medicine Rehabilitation of Speech and Language Disorder

Diagnostic Radiology of Urogenital System Dysphagia

Malformation & Injury of the Genitourinary System Disability Evaluation

Genitourinary Oncology

Cognitive and Neuropsychological Assessment

Anatomy & Physiology of the Genitourinary System

Obstetric Anesthesia

Erectile Dysfunction

Rehabilitation of Cerebrovascular Disease
Rehabilitation of Traumatic Brain Injury
Rehabilitation of Spinal Cord Injury

Pediatric Anesthesia Rehabilitation of Neuromuscular Disease in Children

Pediatric Radiology Rehabilitation of Cerebral Palsy

Recent Advance in Gastroenterology Rehabilitation of Delayed Development

NeuroradiologyMusculoskeletal RehabilitationNeuroanesthesiaConservative Treatment of Back Pain

Recent Advance in Neurology Rehabilitation of Arthritis

Recent Advance in Nephrology Sports Injury

Diagnostic Radiology of Cardiovascular System

Approach to Chronic Pain in Rehabilitaion Medicine

Recent Advance in Cardiology

Diagnosis and Treatment of Peripheral Neuropathy

Cardiothoracic Anesthesia Gait Analysis

Cardiopulmonary Rususcitation Orthotics and Prosthetics

Recent Advance in Allergology Physical Therapy

Imaging of the Urinary Tract

Diagnostic Radiology of Gastrointestinal System

MRI; Magnetic Re-sonance Imaging Recent Advance in Transplantation CT; Computerized Tomography

General Anesthesia Interventional Radiology Critical Care Medicine

Diagnostic Radiology and Radionuclide Imaging Fluid & Electrolyte Metabolism, Acidbase Balance

Ultrasonography
Pain Management

Recent Advance in Nuclear Medicine Recent Advance in Hemato-Oncology Diagnostic Radiology of Respiratory System

Recent Advance in Pulmonology

Surgery for Epilepsy High Risk Pregnancy Functional Neurosurgery Tubal Microsurgery Male Infrtiity

Cerebral Edema

Cerebral Blood Flow Metabolic and Endocrine Diseases

Microneurosurgery Voiding Dysfunction Disorder of Adrenal Gland Gynecologic Pathology

Anticancer Chemotherapy in Gynecologic Cancer

Infertility

Urological Surgery

Regional Anatomy in Obstetrics & Gynecology Endoscopy in Obstetrics & Gynecology Human Genetics in Obstetrics & Gynecology Ultrasonogrphy in Obstetrics and Gynecology

Pediatric Epileptology Pediatric Infectious Diseases

Pediatric Urology
Pediatric Neurosurgery
Pediatric neurology
Pediatric Nephrology
Pediatric Cardiology
Allergic Disease in Children
Preventive Peidatrics

Growth and Development of Pediatrics

Drug Therapy in Children Feeding of Infants and Children Development of Personality

Pediatric Fluid and Electrolyte Balance

Pediatric Oncology Pediatric hematology Immunology in CNS Tumors Neuroendocrinology Occupational Therapy
Exercise Prescription

Cardiopulmonary Rehabilitation

Cancer Rehabilitation
Geriatric Rehabilitation
Anti-aging Medicine
Patient Education
Care of Chronic Illness
Clinical Neurophysiology
Advanced Emergency Medicine

Advanced Traumatology

Advanced Resuscitation Medicine

Clinical Toxicology

Advanced Environmental Emergency Medicine

Geriatric Emergency Medicine

Disaster Medicine

Emergency Medical Services System Management

Overview of Radiation Oncology

Radiation Physics Radiation Biology

Radiation Therapy Technique
Cancer Patient Interview
Integrative Cancer Treatment
Sectional Radiation Oncology
Introduction to Legal Medicine
Method in Forensic Science
Introduction to Basic Medicine

Identification

Industrial Toxicology and Drug Toxicology

Forensic Pathology
Methodology of Science
Forensic Odontology
Studies in Thesis
History of Anatomy
Molecular Imaging Medicine

Molecular Imaging Probes
Radiopharmaceutical Chemistry
Recent Nuclear Medicine
Functional Neuroanatomy
Symptomatic Neurology
Central Nervous System
Peripheral Nervous System
Autonomic Nervous System

Stroke Syndrome

Cerebral Blood Flow and Metabolism

Movement Disorder Neurology Genetics

Epilepsy Sleep Disorder Geriatric Neurology General Neurology Neuro-Otology Dementia Recent Advances on Neurosurgery

Neonatal Intensive Care

Neonatology Renal Transplantation Renovascular Hyperte

Renovascular Hypertension Female Endocrinology Female Urology Headaches

Neurological infectious Disease

Neuro-Endocrinology Muscle Disease Degenerative Disease Motor Neuron Disease Experimental Neurology

Department of Veterinary Medicine

Animal Teratology

Comparative Histology of the Animals

Ruminant Physiology Pathophysiology Biology of Reproduction

Discosty of Reproduction

Bioenergetics Cellular Physiology

Veterinary Metabolic Chemistry
Veterinary Membrane Biochemistry
Veterinary Reproductive Physiology
Veterinary Comparative Endocrinology

Veterinary Neurophysiology Veterinary Renal Physiology

Veterinary Cardiovascular Physiology Advanced Veterinary Exercise Physiology

Advanced Veterinary Clinical Anatomy

Research for Veterinary Clinical Chemistry

Veterinary Biochemistry of Nucleic Acids

Veterinary Hematology
Veterinary Blood Biochemistry
Research for Veterinary Embryology
Veterinary Comparative Embryology
Veterinary Comparative Anatomy

Advanced Veterinary Neuro-anatomy Research Methods of Veterinary Anatomy

Toxicology of Laboratory Animals

Comparative Biology of Laboratory Animals

Applied Laboratory Animal Medicine Comparative Anatomy of the Wild Animals

Histology of the Wild Animals

Avian Histology Avian Anatomy Body Fluid Physiology Research for Morphometry

Regulatory Toxicology Organ Toxicology Principles of Toxicology Immunological Biochemistry

Oncogene and Tumor Suppressor Gene

Molecular Biotechnology Molecular Genetics Veterinary Protozoology

Advanced Veterinary Infectious Diseases 1 Advanced Veterinary Infectious Diseases 2

Veterinary Anthropology
Veterinary Platy Helminthology
Advanced Veterinary Public Health
Veterinary Immunopathology
Clinical Pathological Conference 1
Clinical Pathological Conference 2
Advanced Veterinary Pathology 1

Advanced Veterinary Pathology 2 Veterinary Epidemiology and Statistics Advanced Diagnostic Pathology

Waterborne Diseases

Advanced Study on Food Poisons

Veterinary Dermatopathology

Food-borne Diseases

Pathology of Experimental Animals

Apply Laboratory Animal for Safety Test

Fish Pathology Avian Pathology

Environmental Pollution and Food Hygiene

Advanced Environmental Hygiene
Advanced Bovine and Equine Medicine
Advanced Small Animal Medicine

Veterinary Diagnostic Imaging of Musculoskeletal System

Veterinary Diagnostic Imaging of Head and Neck

Research for Veterinary Anesthesia

Veterinary Viral Diseases

Veterinary Diagnostic Imaging of Abdomen

Veterinary Plastic Surgery Veterinary Bacterial Diseases

Veterinary Surgery of Cardiovascular System

Veterinary Neurological Surgery Veterinary Ophthalmology

Molecular Epidemiology of Veterinary Infectious Diseases Diagnostic Techniques of Veterinary Infectious Diseases

Veterinary Orthopedic Surgery Veterinary Fungal Diseases Veterinary Diagnostic Radiology Veterinary Ultrasonography Biochemical Toxicology

Molecular Neuropharmacology

Advances in Cell Biology

Veterinary Metabolic Regulation

Veterinary Pharmacotherapy

Veterinary Clinical Toxicology

Advanced Veterinary Immunology 1

Advanced Veterinary Immunology 2

Advanced Veterinary Virology 1

Advanced Veterinary Virology 2

Seminar in Current Vaccinology

Advanced Veterinary Vaccinology 1

Advanced Veterinary Vaccinology 2

Advanced Veterinary Bacteriology 1

Advanced Veterinary Bacteriology 2

Veterinary Clinical Immunology

Veterinary Clinical Virology

Veterinary Clinical Bacteriology

Advanced Veterinary Mycology 1

Advanced Veterinary Mycology 2

Cardiovascular Pharmacology

Neurotransmitter and Drugs

Signal Transduction and Gene Therapy

Drug Interaction

Principles of Drug Action

Genetic Toxicology

Ion Channel Research

Tumor Cell Biology

Environment Toxicology

Parasitic Zoonosis

Hygiene of Animal Originated Food

Ultra Structural Pathology

Viral Zoonosis

Development of Vaccination and Prevention of Disease

Molecular pathology

Comparative Pathology

Etiology for Microbial Food Poison

Bacterial Zoonosis

Cellular Pathology

Research for Veterinary Parasitology 1

Research for Veterinary Parasitology 2

Veterinary Molecular Parasitology

Veterinary Nema Helminthology

Veterinary Dentistry

Veterinary Diagnostic Imaging of Thorax

Veterinary Diagnostic Endocrinological Disease

Veterinary Metabolic Diseases

Veterinary Urinary Diseases

Veterinary Gastroenterology

Veterinary Clinical Molecular Diagnostics

Advanced Clinical Pathology 1

Advanced Clinical Pathology 2

Veterinary Clinical Diagnostic Chemistry

Veterinary Clinical Diagnostic Hematology

Veterinary Hematological Diseases

Advanced Wild Animal Diseases

Advanced Swine & Small Ruminant Medicine

Nuclear medicine and radionuclide imaging

Advanced Poultry Diseases 1

Advanced Poultry Diseases 2

Animal Assisted Reproductive Technologies

Animal Reproductive Cryobiology 1

Animal Reproductive Cryobiology 2

Therapy of Reproductive Disorders in Animals

Embryo Transfer in Animals

Artificial Insemination in Animals

Diagnostic ultrasound and Animal reproduction

Cage and Aviary Bird Medicine

Small Animal Theriogenology 1

Small Animal Theriogenology 2

Veterinary Reproductive Infectious Diseases

Veterinary Clinical Reproductive Endocrinology

Veterinary Clinical Biotechnology

Research of Veterinary medicine 1

Research of Veterinary medicine ${\bf 2}$

Wild Animal Theriogenology

Advanced Wild Bird Diseases

Avian Immunology

Avian Oncological Diseases

Diagnostic Techniques of Avian Diseases

Reproductive Behaviour and Therapy of Reproductive Diseases

in Special Animals

NATURAL SCIENCES

Department of Advanced Gerontological Nursing

Nursing Theory

Nursing Research

Role and Policy for Advanced Practitioner Nurse

Advanced Health Assessment and Practice

Pathophysiology

Pharmacology

Introduction to Advanced Gerontological Nursing

Practicum of Introductory Advanced Geronological

Nursing

Gerontological Disease Management 1

Gerontological Disease Management 2

Practicum of Gerontological Disease Managements 1

Practicum of Gerontological Disease Managements 2

Gerontological Health Promotion

Practicum of Gerontological Health Promotion

Gerontological Nursing & Welfare

Practicum of Gerontological Nursing & Welfare

Nursing Statistics

Department of Advanced Hospice Nursing

Nursing Theory

Nursing Research

Role and Policy for Advanced Practitioner Nurse

Advanced Physical Assessment and Practice

Pathophysiology

Pharmacology

Introduction of Hospice Palliative Care

Pain Control and Symptom Palliative Care

Care of psychosocial spiritual problems

Care of Bereaved Family and Counseling

Hospice Administration

Practicum for Pain Control and Symptom

Palliative Nursing I

Practicum for Pain Control and Symptom

Palliative Nursing II

Practicum for Psychosocial Spiritual Problems

Practicum for Bereaved Family Counseling

Practicum for Hospice Administration

Nursing Statistics

Department of Advanced Oncological Nursing

Nursing Theory

Nursing Research

Role and Policy for Advanced Practitioner Nurse

Advanced Physical Assessment and Practice

Pathophysiology

Pharmacology

Introduction of Oncology Nursing

Symptomatic Care of Cancer Patients

Oncology Therapeutics & Nursing

Issue on Oncology Nursing

Practicum for Oncology Nurse Specialist 1

Practicum for Oncology Nurse Specialist 2

Practicum for Oncology Nurse Specialist 3

Role Practicum for Oncology Nurse Specialist

Nursing Statistics

Department of Agricultural Biology

Principles of Insect Systematics

Insect Toxicology

Insect Embryology

Medical and Veterinary Entomology

Topics in Insect Systematics

Comparative Insect Morphology

Plant Toxicology

Advanced Plant Virology

Topics in Plant Virology

Advanced Plant Pathology

Plant Pathological Anatomy

Plant Disease Management

Insect Biology and Diversity

Insect Biochemistry

Insect Quantitative Ecology Seminar in Entomology 1 Seminar in Entomology 2 Advanced Insect Physiology

Insect Pathology
Topics in Mycology
Microbial Ecology

Forecasting and Monitoring in Plant Disease

Topics in Disease Resistance Diseases in Forage Crops Insect Pest of Trees and Shrubs

Nematology

Topics in Bacteriology Advanced Forest Pathology

Aquatic Entomology and Systematics

Topics in Plant Quarantine Advanced Plant Mycology Seminar in Plant Protection Advanced Mushroom Biology Advanced Plant Protection Advanced Plant Bacteriology Physiological Disorders in Plants

Experimental Design and Data Analysis in Entomology Experimental Design and Data Analysis in Plant Pathology

Systematics of Immature Insects

Acarology

Advanced Seed Pathology Integrated Pest Management

Insect Suppression by Natural Enemies

Host Plant Resistance to Insect

Soil Born Pathology Insect Pest Management Pest Control Strategies

Principles in Microscopy & Microtechniques

Department of Agricultural Chemistry

Pesticide Metabolism

Pesticide Formulation

Advanced Pesticide Chemistry

Advanced Agro-Environmental Chemistry

Protein Chemistry

Advanced Microbial Biochemistry Radiation Biology in Agriculture Advanced Fertilizer Science Advanced Biotechnology Advanced Biochemistry Plant-Microbe Interactions Advanced Plant Nutrition

Advanced Environmentally-Friendly Agriculture

Advanced Soil Physics Advanced Soil Microbiology

Soil Conservation

Environmental Pollution and Remediation in Agriculture

Advanced Safety of Agricultural Products

Advanced Soil Biochemistry

Advanced Environmental Toxicology Advanced Environmental Microbiology

Environmental Plant Biology

Advanced Applied Chemistry of Enzyme Advanced Chemistry of Pesticide Residue

Advanced Biomaterial Chemistry

Advanced Agricultural Genetic Engineering Advanced Chemistry of Water Pollution

Advanced Soil Science Advanced Humus Chemistry Climate Change and Agriculture

Studies in Thesis

Department of Agricultural Economics

International Agricultural Policy
Advanced Course for Rural Tourism

Advanced Course for Agri-Food Product Prices

Agri-Food Quantitative Analysis

Advanced Course for Farm Business Planning

Farm Management Diagnosis

Advanced Course for Farm Management

Agricultural Macro-Economics Agricultural Micro-Economics Advanced Course for Agricultural Statistics Advanced Course for Agricultural Cooperatives Advanced Course for Rural Development

Economics of Food Safety

Urban Agriculture

Advanced Course for Food Habits and Culture

Advanced Course for Food Economics

Advanced Course for Economics of Food Consumption Advanced Course for Applied Mathematical Economics Advanced Course for Agricultural Economics

Advanced Course for Econometrics

Advanced Course for Agricultural Financing

Farm Technology Policy

Economics of Agricultural Trade

Advanced Course for Agricultural Development

Advanced Course for Agricultural Production Economics

Advanced Course for Agribusiness

Advanced Course for Agricultural Marketing
Advanced Course for Food Resources Economics

Advanced Course for Agricultural and Food Policy

Advanced Course for Political Economics Advanced Course for Regional Economics

Regional Agricultural Planning

Regional Agriculture

Advanced Course for Land Economics

Economics of Food System

Economics of Environmental Agriculture Advanced Course for Welfare Economics

Advanced Course for History of Rural and Agriculture

Regional Community Development

Department of Agricultural Engineering

Advanced Analysis of Prestressed Concrete Structure

Advanced Tideland Reclamation Engineering

Advanced Open Channel Hydraulics

Management of Irrigation Systems Design of Irrigation Systems

Studies in Foundation Engineering

Advanced Foundation Engineering
Advanced Rural Roadway Engineering

Design of Irrigation & Drainage Structures

Advanced Agricultural Water Use

Advanced Agricultural Water Resources Engineering

Agricultural Water Quality Engineering Studies in Farm Building and Structures Agricultural Information Processing

Studies in Geotechnical Engineering

Advanced Geotechnical Engineering
Design of Agricultural Land Drainage Systems

Advanced Soil and Water Conservation

Advanced Agricultural Land Reclamation

Advanced Rural Planning

Advanced Rural Environment Engineering

Advanced Dam Engineering

Theory of Reinforced Earth

Hydraulic Modeling Theory

Advanced Hydraulics Advanced Hydrology

Water Resources System Engineering

Advanced Numerical Analysis

Advanced Remote Sensing and Geographic Information

System

Rock Mechanics

Soil Stabilization

Finite Element Analysis

Advanced Applied Mathematics

Advanced Applied Mechanics

Advanced Topics in Computational Mechanics

Watershed Management Engineering Advanced Analysis of Steel Structures Design of Reinforced Concrete Structures

Advanced Analysis of Reinforced Concrete Structures

Stochastic Hydrology

Theory of Concrete Nonelasticity

Theory of Elasticity

Advanced Farm Land Consolidation Advanced River Engineering Advanced Coastal Engineering

Design & Construction of Earth Fill Dam

Soil Behaviour

Department of Agricultural Machinery Engineering (Master's only)

Advanced Biological Waste Treatment

Topics of Bioenergy engineering

Advanced Applied Mathematics

Advanced Tractor Engineering

Advanced LabVIEW Programming

Advanced Signal Processing & Applied Measurement

Advanced Image Processing in Agriculture

Topics of Computer Applications in Agriculture

Advanced Plant Production System

Advanced Agricultural and Food Process Engineering 1

Technical English & Knowledge Management

Smart Sensor & Actuator

Advanced Computational Dynamics of Agricultural Machinery

Advanced Automation of Agricultural Machinery Topics of Nondestructive Quality Evaluation

Advanced Biological Production Machinery and Implements

Advanced Hydraulic System Design Topics of Agricultural Machine Design 1 Topics of Environment Control for Protected Horticulture

Plant Growth Modeling Experimental Design

Advanced Physical Properties of Agricultural and Food

Topics of Process Engineering in Agriculture

Advanced Computational Analysis of Agricultural Machinery Seminar in Bio-Industrial Machinery Engineering

Research in Thesis

Department of Agricultural Machinery Engineering (Doctoral only)

Advanced Bioindustrial Power Engineering

Advanced Pollution Control for Bioindustry

Advanced Bioenergy Engineering Advanced Numerical Analysis

Topics of IT Applications in Agriculture

Advanced Bioinstrumentation

Computational Analysis of Biological Systems

Applications of Artificial Intelligence Seminal on Bioenvironment Control

Advanced Environment Control for Protected Horticulture

Advanced Plant Factory

Advanced Greenhouse Automation Advanced Post-harvest Technology

Advanced Agricultural and Food Process Engineering 2

Advanced Fluid Mechanics & Machinery Heat & Mass Transport Phenomena

Multivariate Analysis

Biomechatronics System Design

Advanced Nondestructive Quality Evaluation

Advanced Optimization Techniques Soil and Machine Systems Engineering

Dynamics of Off-road Vehicles

Advanced Simulation of Bio-industrial Hydraulic Systems

Topics of Agricultural Machinery Design 2

Seminar on Thesis

Topics of Mechanical System 1 Topics of Mechanical System 2

Advanced Robotics

Advanced Oil Hydraulics Engineering Advanced Precision Mechanics 1 Advanced Precision Mechanics 2

Seminar on History

Seminar on Industrial Design

Application of Sculpture to Bioindustry

Advanced Sculpture Materials

Advanced Computer Aided Industrial Design

Advanced Design Formation

Department of Agronomy

Advanced Industrial Crops

Advanced Rice Science

Plant Genetic Resources

Advanced Plant Tissue Culture

Experimental Design and Analysis

Advanced Medicinal Crops

Breeding Self-pollinated Crops

Advanced Natural Resource Botany

Advanced Crop Nutrition

Advanced Crop Breeding

Crop Evolution

Crop Varieties

Seminar in Agronomy

Agricultural Cropping System

Breeding for Hybridization Advanced Crop Cultivation

Advanced Post-harvest Physiology

Resistance Breeding

Advanced Upland Crops

Advanced Seed Science

Breeding Cross-pollinated Crops

Environment-friendly Agriculture

Mutation Breeding

Advanced Molecular Genetics

Selection Theory

Specialty Breeding

Advanced Cell Biology

Advanced Cytogenetics

Advanced Plant Molecular Biology

Advanced Genetic Engineering Advanced Crop Physiology

Advanced Crop Ecology

Chemical Control in Crops

Environmental Physiology in Crops

Advanced Weed Science

Advanced Natural Products Chemistry

Advanced Cereal Chemistry

Herbal Resource

Department of Animal Resources and Biotechnology

Progress in Poultry Nutrition Endocrinology of Animal Topics in Reproductive Disorder Advanced Animal Reproduction

Experimental Technology of Animal Nutrition

Progress in Animal Science Advanced Animal Breeding

Advanced Artificial Insemination of Animal Advanced Farm Animal and Environment

Protein Metabolism
Progress in Swine Nutrition
Animal Cytogenetics
Advanced Animal Genetics
Immune Reproduction
Forage Management
Forage Crop Physiology

Research Technique Grassland Science

Forage Feed Science Mineral Nutrition

Progress in Ruminant Nutrition

Ruminology

Nutritional Physiology in Milking Progress in Feed Processing Method Advanced Forage Crop Science

Nutritional Physiology in Egg Production

Animal Biological Statistics Quantitative Genetics Energy Metabolism Applied Biochemistry

Forage Conservation and Feeding Advanced Population Genetics Regulation of Metabolism Stand Establishment in Grassland Advanced Grassland Science

Studies in Thesis

Progress in Poultry Production

Poultry Breeding Physiology of Muscle Muscle Chemistry

Advanced Functional Foods
Progress in Dairy Science
Advanced Animal Physiology
Topics in Food Freezing
Advanced Fur Technology
Molecular and Cellular Physiology

Physiology of Lactation
Vitamin Nutrition
Topics in Fertilization
Advanced Meat Processing
Topics in Meat Science
Advanced Meat Science
Topics of Food Freezing
Fooding Rheology

Experimental Biochemistry
Topics in Experimental Research
Advanced Daily Technology
Advanced Milk Science

Milk Chemistry

Progress in Beef Cattle Science

Applied Biotechnology

Topics in Applied Biochemistry
Applied Genetic Engineering

Machines and Plants for Animal Products Technology

Lab of Animal Products Technology 1 Lab of Animal Products Technology 2 Lab of Animal Products Technology 3 Topics in Animal Products Technology Test and Analysis of Animal Products Marketing of animal Products Animal Products Preservation

Data Processing of Animal Research Cheese Technology Topics in Fur Technology Advanced Leather Technology

Department of Biology

Advanced Molecular Biology Advanced Cell Biology Advanced Biochemistry 1 Advanced Biochemistry 2 Advanced Genetics

Advanced Population Genetics Advanced Development Biology

Advanced Immunology

Advanced Evolutionary Biology

Advanced Protein Technology Advanced Molecular Systematics

Advanced Bioinformatics

Advanced Microbial Fermentation Advanced Plant Paleontology Advanced Microbial Technology Advanced Molecular Genetics Advanced Protein Studies

Advanced Structure Molecular Biology

Advanced Electron Microscopy

Colloquium 1 Colloquium 2

Colloquium 3 Colloquium 4 Colloquium 5 Colloquium 6 Colloquium 7

Seminar in Zoology 1 Seminar in Zoology 2

Seminar in Advanced Zoology 1 Seminar in Advanced Zoology 2

Seminar in Plant 1 Seminar in Plant 2

Seminar in Advanced Plant 1 Seminar in Advanced Plant 2 Seminar in Micro Biology 1 Seminar in Micro Biology 2 Seminar in Micro Biology 1 Seminar in Micro Biology 2 Seminar in Molecular Biology 1 Seminar in Molecular Biology 2 Seminar in Molecular Biology 1

Seminar in Molecular Biology 2 Studies in Thesis Advanced Microbiology Advanced Membrane Biology Advanced Fermentation

Advanced Enzyme Biochemistry Special Lectures in Metabolism Advanced Protein Purification Advanced Microbial Toxicology Advanced Medical Microbiology Advanced Molecular Immunology Advanced Industrial Microbiology Advanced Manipulation of Gene

Advanced Mycology

Advanced Cellular Immunology

Advanced Virology

Advanced Soil Microbiology Advanced Cell Physiology Advanced Molecular Physiology

Advanced Embryogenesis in Animal

Advanced Biomedical Engineering Advanced Enzyme Technology Advanced Nanobiology

Advanced Metals in Biochemistry Advanced Physical Biochemistry Advanced Conservation Biology Advanced Plant Molecular Biology Advanced Molecular Cellualr Genetics

Advanced Genomics

Advanced Toxicology

Advanced Animal Molecular Biology Advanced Systematic Zoology Developmental Physiology of Animal

Advanced Animal Speciation Advanced Animal Zoogeography Advanced Animal Behavior Advanced Animal Morphology Advanced Invertebrate Zoology Advanced Vertebrate Zoology Advanced Insect Taxonomy

Advanced Ecology

Advanced Aquatic Ecology Advanced Animal Histology Advanced Ecological Toxicology Advanced Neurobiology Advanced Animal Physiology Advanced Plant Paleontology

Advanced Comparative Morphology of Plant

Advanced Plant Anatomy Advanced Bryology Advanced Plant Systematics Advanced Plant Speciation

Advanced Distribution of Vascular Plants

Advanced Economic Plants
Advanced Plant Physiology
Advanced Plant Water Physiology
Advanced Biological Statistics
Advanced Pteridophytology
Advanced Plant Growth Physiology
Advanced Plant Biotechnology
Advanced Plant Tissue Culture

Advanced Manipulation of Instruments

Department of Chemistry

Seminar in Advanced Chemistry 1 Seminar in Advanced Chemistry 2 Studies in Polymer Chemistry Advanced Solid State Chemistry Studies in Photochemistry Studies in Quantum Organic Chemistry Advanced Quantum Chemistry Studies in Quantum Chemistry Studies in Organometalic Chemistry Advanced Organic Instrumental Analysis Advanced Instrumental Analysis Advanced Protein Chemistry

Studies in Inorganic Reaction Mechanism

Advance Inorganic Chemistry 1
Advance Inorganic Chemistry 2
Studies in Inorganic Chemistry 1
Studies in Inorganic Chemistry 2
Advance Physical Organic Chemistry
Studies in Physical Chemistry 1
Studies in Physical Chemistry 2
Advance Physical Chemistry 1
Advance Physical Chemistry 2
Studies in Metabolism

Studies in Analytical Chemistry 1
Studies in Analytical Chemistry 2
Advance Analytical Chemistry 1
Advance Analytical Chemistry 2
Studies in Molecular Orbital Theory
Studies in Molecular Spectroscopy
Studies in Molecular Biochemistry
Studies in Biophysical Chemistry

Studies in Biochemistry 1
Studies in Biochemistry 2
Advanced Biochemistry 1
Advanced Biochemistry 2

Studies in Organic Reaction Mechanisms 1 Studies in Organic Reaction Mechanisms 2

Studies in Organic Analysis

Advanced Synthetic Organic Chemistry

Studies in Organic Chemistry 1 Studies in Organic Chemistry 2 Advanced Organic Chemistry 1 Advanced Organic Chemistry 2

Medicinal Chemistry

Studies in Theoretical Chemistry 1 Studies in Theoretical Chemistry 2

Studies in Magnetic Resonance Spectroscopy Advanced Natural Products Chemistry

Advanced Complex Chemistry Studies in Statistical Mechanics Studies in Nucleic Acid Chemistry 1

Studies in Nucleic Acid Chemistry 2 Studies in Chemical Instrumentation

Seminar in Chemical Topics 1 Seminar in Chemical Topics 2 Advanced Enzyme Chemistry

Studies in Chemical Kinetics

Photoelectrochemical Energy Storage and Conversion

Department of Dental Science

Seminar on Dental Science I Seminar on Dental Science II Seminar on Oral Bioscience I Seminar on Oral Bioscience II

Currents Trends in Dental Sciences I Currents Trends in Dental Sciences II Human Structure and Function Maxillofacial Structure and Function I Maxillofacial Structure and Function II

Medical & Dental Science Data Processing

Medical & Dental Bioinformatics

Utility of Bioactive Materials in Dental Science

Utility of Stem Cell in Dental Science
Bone Metabolism Regulation and Bioactive

Materials

Culture and Differentiation Induction of

Periodontal Ligament Cell Behavioral Physiology Ion Channel Physiology Aging and Oral Physiology Neurophysiology in Dentistry Bacterial Ecology in Dental Caries Microbiology in Oral Infection Aging and Oral Disease Stress and Oral Disease Etiology of Cleft Lip and Palate

Tissue Engineering

Speech Therapy of Cleft Palate Patients

Management of Dysphagia Cancer Cell Biology Tumor Molecular Target

Chemotherapy

Experimental Animal Model for Cancer

Prosthodontic Biomaterials Dental Implant Biomechanics

Temporomandibular Joint & Occlusion

Esthetics & Color Science

Oral Bacterial Infection and Immunity Advanced Tooth Development Advanced Pediatric Dentistry Advanced Behavioral Dentistry Biology of Dental Plaque

Seminar of Recent Studies in Oral Microbiology Viral and Fungal Infections Related to Dentistry

Immunology of Oral Diseases Genes and Development Advanced Management of Oral Health

Seminar for Topics About Current Oral Health

Medical Biochemistry

Medical Molecular Biology

Cell Signaling Oral Immunology Radiation Physics Radiation Biology Digital Images

Radiographic Images of Head and Neck Anatomy

Advanced Dental Pharmacology

Inflammation and Immune Pharmacology

Proteome Pharmacology Stem Cell Pharmacology

Oral Disease and Biopsycosocial Model

Oral Cavity and Systemic Condition

Proteomics in Tooth

Regeneration of Tooth and Periodontium

Oral Embryology

Microbiology of Periodontics Immunology of Periodontics Pathology of Periodontics Anatomy of Periodontics Mechanism of Pulp Protection Current issue of Dental Adhesives Function of Pulp-Dentin Complex Microbiology in Root Canal

Dental Bioactive Metal Materials **Dental Bioactive Ceramic Materials**

Surface Treatment of Dental Biomaterials

Biomechanics in Clinical Dentistry

Studies in Thesis

Department of Earth & Environmental Science

Advanced Crystallography & Practice Special Research for Earth & Environmental Survey

Advanced Paleontology & Lab. **Boundary Stratigraphy**

Advanced Paleoecology Advanced Mineralogy & Lab. 1 Computational Geomechanics Advanced Mineralogy & Lab. 2 Advanced Clay Mineralogy

Ore Genesis 1 Ore Genesis 2

Advanced Economic Geology & Lab. Advanced Structural Geology Advanced Micropaleontology Advanced Hydrogeology Advanced Petrology 1

Advanced Petrology 2 Advanced Applied Geology 1 Advanced Applied Geology 2 Advanced Rock-Forming Minerals

Methods in Geophysics Advanced Geophysics

Earth & Environmental Sciences Seminal

Instrumental Analysis in Earth & Environment and Practice

Special Research for Earth & Environment System

Topics in Restoring Natural River Quarternary Stratigraphy

Processing Fusion and Image Techniques in Earth System

Observation Science Advanced Historical Geology Advanced Seismology Advanced Geochemistry & Lab.

Advanced Evolution Advanced Stratigraphy Advanced Sedimentology **Advanced Plate Tectonics**

Geology of Korea

Advanced Aqueous Environmental Geochemistry and Lab.

Advanced Environmental Geochemistry 1 Advanced Environmental Geochemistry 2 Advanced Environmental Geology1 Advanced Environmental Geology2

Geology of Circum-Pan Pacific

Department of Ecology Landscape Architecture Design

Advanced Multimedia and Landscape

Advanced Landscape Design

Advanced Topography Analysis & Design Advanced Ecological Biogeography

Advanced Sustainable Ecological Environmental Planning &

Advanced Ecological Growing Science

Advanced Groundcover Plant & Landscape Design

Advanced Ecology River Planning & Design Advanced Landscape Material & Construction Advanced Plant Landscape Planting Design Advanced Eco-Park Construct & Design

Advanced Ecological Planning & Design on Space Pattern

Advanced Ecocity Afforestation Design

Advanced Hydrologic Environmental Design

Advanced Ecological Survey & Environmental Factor Analysis

Advanced Biotope Analysis

Advanced Habitat Planning & Design Advanced GIS & Landscape Ecology

Advanced River Ecological Structure & Function Analysis

Advanced Ecology and Art

Advanced Ecological Landscape Structure Analysis

Advanced Phytosocilogy & Practices

Advanced Ecological Landscape Planning & Design

Advanced Wetland Ecological Restoration Design Advanced Aesthetics and Ecological Design

Advanced Environmental Ecological Maintenance & Analysis

Advanced Habitat Management & Applied Planning Advanced Environmental Amenity Design & Practices Advanced Restoration Ecology and Engineering Advanced City Eco-Network Planning & Design Advanced Visual Resources & Management

Department of Food Science & Technology

Cereal Processing Protein Technology Microbial Technology

Advanced Fermentation Chemistry

Advanced Biotechnology and Bioengineering

Biochemical Engineering Advanced Biochemistry 1 Advanced Biochemistry 2 Industrial Technology Practicum 1 Advanced Food Processing Food Technology Seminar 1 Food Technology Seminar 2 Advanced Food Engineering Advanced Food Science

Advanced Equipment for Food Processing

Advanced Food Conservation

Topics in Food Science 1 Topics in Food Science 2 Advanced Food Hygienics Advanced Food Preservation Advanced Food Additives Advanced Food Quality Control Advanced Food Chemistry 1 Advanced Food Chemistry 2 Nutrition and Metabolism Advanced Nutritional Chemistry Horticulture Processing Milk and Meat Processing

Advanced Lipids Chemistry Applied Microbiology Advanced Enzyme Chemistry

Department of Forestry

Advanced Wood Improvement

Advanced Urban Forest Management

Advanced Wood Drying

Advanced Culture & Education in Wood

Advanced Wood Physics Advanced Wood Preservation Advanced Wood Harvest

Advanced Woodceramics Engineering Applied Wood Kiln Drying Technology

Advanced Wood Machining

Advanced Wood Adhesive & Finishing

Advanced Wood Anatomy Advanced Wood Chemistry 1 Advanced Wood Chemistry 2 Advanced Board Manufacturing Advanced Erosion Control

Advanced Special Use Tree Cultivation

Advanced Forest Microbiology

Advanced Forest Environment Conservation

Advanced Forest Recreation Advanced Forest Pathology Advanced Tree Physiology Advanced Dendrology Advanced Import Wood Advanced Applied Mycology **Advanced Forest Genetics** Advanced Forest Tree Breeding Advanced Wood Energy

Forestry Seminar Special Topic in Forestry Advanced Forest Statistics

Advanced Garden Tree Management Advanced Paper Manufacturing Technology

Advanced Silviculture Advanced Paper Converting

Advanced Chemistry of Natural Products

Advanced Forest Reproduction
Advanced Forest Management
Advanced Forest Economics
Advanced Forest Protection
Advanced Forest Growth & Yield
Advanced Forest Ecology
Advanced Forest Resources

Advanced Forest Policy & Law Advanced Forest Engineering Advanced Preservation of Forest Soil Advanced Special Forest Products

Advanced Pulp Bleaching
Advanced Pulp Technology
Advanced Palynology

Advanced Revegetation Engineering for Environmental

Conservation

Advanced Environmental Microbial Technology

Advanced Environmental Forestry Advanced Enzyme Chemistry

Department of Home Economics

Seminar in Home Economics

Group Counseling for Children and Families

Seminar in Family Relationships

Seminar in Policies for Healthy Families

Practicum and Supervision of Family Counseling

Theories of Family Counseling

Special Topics in Family Life Education

Research Methods in Child and Family Studies

Advanced Food Microbiology

Advanced Draping

Seminar in Child & Adolescents Counselling Advanced Food Service Management

Advanced Production and Operations Management for Food

Service

Advanced Functional Foods Advanced Life-Style Nutrition

Men's Tailoring

Introduction to Food Toxicology Play Therapy Theory and Practice Advanced studies on Children's Play Advanced Food Molecular Biology Topics in History of Oriental Costume

Sand-play Therapy

Advanced Nutrition Through The Life Cycle

Mineral Nutrition

Research Methods in Fashion Styling Advanced Fermented Foods

Advanced Studies on Children's Cognitive & Language

Development

Research Method in Aesthetics of Costume

Parent-Child Relations Study Seminar in Couple Therapy Advanced Molecular Nutrition

Vitamin Nutrition

Advanced Western Costume History

New Materials in Textiles

Special Topics in Families and Gender

Advanced Textile Design Study on Street Fashion Creativity Development and Education of Young Children

Topic in Family Counseling

Multiculture and Child & Adolescents Welfare

Nutrition and Aging

Nutrition and Chronic Diseases Interactions of Food Ingredients Research in Nutritional Education Advanced Nutritional Biochemistry Seminar in Food and Nutrition

Comparative Studies in Infant and Child Development

Advances in Food Science Advances in Natural Chemicals

Seminar in Early Childhood Education and Care Advanced Human Sensibility Ergonomics for Clothing

Advanced Clothing Behavior

Advanced Food Science and Cookery

Psychometrics for Child and Family Counseling

Nutraceuticals from Natural Products Characterization of Yarns and Fabrics Advanced Energy Metabolism Costume Study of Special Fabrics Advanced Apparel Design Workshop in Fashion

Advanced Fashion Marketing
Advanced Fashion Retailing
Advanced Clothing Somatotype
Advanced Fashion Accessory Design
Advanced Korean Costume Construction
Comparative Research on Culture and Diet
Contemporary Fashion History & Art
Advanced Enzyme Chemistry

Advanced Nutrition
Pathophysiology

Medical Nutrition Therapy 1 Medical Nutrition Therapy 2

Advanced Haute Couture Fashion

Advanced Nutritional Counseling and Education

Clinical Nutrition Research Clinical Nutrition Practice 1 Sensory Evaluation of Food and Experimental Design Multi-variate Statistics in Child and Family Studies Special Topic in Infant and Child Development Seminar in Child's Social-Emotional Development Child Psychopathology Clinical Nutrition Practice 2 Clinical Nutrition Practice 3 Clinical Nutrition Practice 4 Studies in Thesis

Advanced Fashion Marketing Traditional Costume Workshop Advanced Global Fashion Business Global Fashion Management Project

Department of Horticulture

Advanced Flowering Physiology
Topics in Fruit Tree Physiology

Topics in Fruit Tree Nutrition
Topics in Fruit Tree Breeding

Topics in Pomology Advanced Pomology Thesis Research

Topics in Agricultural Biotechnology Topics in Agricultural Radiation

Advanced Cell Biology

Topics in Greenhouse Management Advanced the Greenhouse Management

Advanced Plant Embryology Advanced Plant Physiology

Advanced Plant Growth Regulations

Advanced Plant Nutrition
Advanced in Plant Tissue Culture
Advanced Plant Anatomy

Experimental Design and Analysis

Topics in Postharvest Physiology of Horticulture

Advanced Horticultural Therapy Advanced Weed Science Topics in Vegetable Physiology Topics in Vegetable Ecology Topics in Vegetable Breeding

Topics in Olericulture Advanced Olericulture

Topics in Horticultural Seed Production Advanced Horticultural Seed Production Topics in Flowering Control of Floriculture Topics in Breeding of Floricultural Crops Advanced Decoration of Floricultural Plant

Topics in Floriculture Advanced Floriculture

Advanced Environmental Horticulture

Department of Housing Environmental Design (Master's only)

Advanced Spatial Design

Advanced Modern Housing Design

Study on Healthy Interior

Special Topics in Interior Design Research

Study on Silver Dwellings

Study on Urban Housing Environment Topics in Wood Based Materials Topics in Modified Wood 1

Advanced Preservation of Environment Materials

Advanced Indoor Environment Study on Housing Acoustics

Advanced Wood Drying and Processing

Advanced Studies of Environment-Friendly Building Materials

Advanced Studies of Environment-Friendly Building

Construction

Research Methodology in Housing Environment

Study on the Healthy Spatial Design

Advanced Studies of Korean Traditional Housing

Survey Method in Housing & Interior Design

Modern Housing Study

Environmental Psychology and Behavior in Housing Space Marketing in Housing & Interior Design

Housing Welfare

Studies of Rural Housing Environment POE of Planned Housing for Special Groups

Special Topic on Housing Sociology

Housing Seminar

Topics in Eco-wood Based Materials

Topics in Modified Wood 2

Traditional Wooden Frame Building Advanced Numerical Analysis

Advanced Degradation of Housing Materials Advanced Human Engineering and Housing Analysis of Indoor Thermal Environment

Analysis of Indoor Air Quality Advanced Healthy Housing Advanced Studies of Korean Modern Housing Contemporary Housing Design Analysis Comparative Studies of Housing Theory

Healthy Housing

Korean Urban Housing for Hanok Aging Friendly Housing Design Special Topics in Kleingarten Housing

Housing Management in Contemporary Society Research Methodology in Housing & Interior Design

Study on Acoustic Eco-friendly Materials Advanced Wood Physics Related to Housing Advanced Housing Material Mechanics Advanced Wood Drying and Processing 2 Study on Wood Anatomy and Interior Design Studies in Thesis

Department of Landscape Architecture

Advanced Studies of Landscape Ecology Design Design of Healing Garden & Restorative Environment

Crime Prevention Through Environmental Design

Systems Theory for Open Space

Urban Design

Cultural History of Oriental Landscape Architecture

Advanced Theory of Recreation Space Planning Management & Conservation Cultural Assets

Historic Site Restoration Planning Seminar in Eco Tourism Healing Planning for Stream Corridors

Eco-design Theory

Cultural History of Western Landscape Architecture

Water Landscape Design Studio

Theory of Hydrological Landscape Design

Indoor Landscape Design Studio

Seminar in Nature Park Eco Town Planning

Theory of Traditional Landscape Architecture

Theory of Socio-cultural Approach in Landscape Design

Korean Landscape Design Studio Theory of Korean Landscape

Advanced Theory for Landscape Codes Environmental Restoration Planning & Design

GIS and Land Suitability Analysis Seminar in Landscape Planting Design Seminar in Environmental Landscape Analysis Environmental Landscape Planning & Management

Theories of Landscape Planning

Advanced Studies of Ecological Revegetation

Method in Ecology

Advanced Studies of Arboriculture Morphology of Landscape Plants

Ecosystem Ecology

Environmental Facilities Design

Advanced Theories of Environmental Psychology

Studies in Thesis

Department of Mathematics

Commutative Algebra 1 Commutative Algebra 2

Group Representation Theory

Seminar in Geometry 1 Seminar in Geometry 2 Several Complex Analysis 1 Several Complex Analysis 2

Seminar in Algebra 1 Seminar in Algebra 2 Algebraic Geometry 1 Algebraic Geometry 2 Algebraic Topology 1 Algebraic Topology 2

Topics in Algebraic Topology 1 Topics in Algebraic Topology 2 Continuum Theory **Topological Groups** Topological Geometry 1 Topological Geometry 2

Topological Transformation Groups

Seminar in Topology Topics in Topology 1 Topics in Topology 2 Topics in Applied Analysis 1 Topics in Applied Analysis 2

Operator Algebra 1 Operator Algebra 2 Harmonic Analysis 1 Harmonic Analysis 2 Topics in Field

Algebraic Number Theory 1 Algebraic Number Theory 2

Algebra 1 Algebra 2 Lie Group Lie Algebra 1 Lie Algebra 2

Study in Differential Geometry 1
Study in Differential Geometry 2
Topics in Differential Geometry 1
Topics in Differential Geometry 2
Non-commutative Algebra 1
Non-commutative Algebra 2
Non-associative Algebra 1
Non-associative Algebra 2
Potential Theory 1
Potential Theory 2

Topics in Numerical Analysis 1 Topics in Numerical Analysis 2 Real and Complex Analysis 1 Real and Complex Analysis 2 Sheaf Theory
Category Theory
Elliptic Curve 1
Elliptic Curve 2
Characteristic Classes
Partial Differential Equation 1
Partial Differential Equation 2

Functional Analysis 1
Functional Analysis 2
Analytic Number Theory 1
Analytic Number Theory 2
Topics in Analysis 1

Seminar in Analysis
Topics in analysis 2
Matrix Theory 1
Matrix Theory 2
Homological Algebra 1
Homological Algebra 2
Homotopy Theory
Fiber Space
K-Theory

Department of Molecular Biology

Advanced Nano-biotechnology Advanced Protein Technology Advanced Animal Physiology

Advanced Virology
Advanced Fermentation
Advanced Molecular Genetics
Advanced Biomedical Engineering
Advanced Cellular Immunology
Advanced Plant Physiology
Plant Biotechnology

Advanced Manipulation of Genes Advanced Applied Enzymology Advanced Molecular Biology Advanced Protein Chemistry Advanced Protein purification Advanced Biotechnology

Advanced Microbial Molecular Genetics Advanced Plant Molecular Biology

Advanced Immunology

Department of Nursing

Nursing Research Methodology Seminar in Nursing Theory Seminar in Nursing Issues Alternative Nursing

Advanced Gerontologic Nursing Advanced Women's Health Nursing

Advanced Adult Nursing

Advanced Physical Assessment and Practice

Advanced Child Health Nursing Advanced Rehabilitation Nursing Seminar in Family Nursing

Nursing Leadership Seminar in Nursing Management Qualitative Nursing Research Development of Nursing Policy

Concept Measurement & Tool Development in Nursing

Seminar in Nursing Ethics Experimental Design in Research Nursing Statistics Analysis

Advanced Community Health Nursing

Health Education

Advanced Nursing Administration Advanced Nursing Statistics Analysis

Seminar in Community Mental Health Nursing

Seminar in Chronic Disease Nursing Research on Psycho-Oncology Theory Development in Nursing Seminar in Nursing Intervention

Seminar in Nursing Philosophy

Health-related Theory

Seminar in Alternative Nursing Quantitative Nursing Research Seminar in Adult Nursing

Seminar in Women's Health Nursing Seminar in Psychiatric Health Nursing Seminar in Oncological Nursing

Seminar in Community Health Nursing

Seminar in Child Health Nursing

Clinical Physiology

Seminar on Patients with Critical Illness

Seminar in Nursing Informatics Sex Counseling and Nursing Evidence-Based Nursing Seminar on Nursing Process

Study on Teaching Method of Nursing

Oncology Nursing

Stress Related Theory and Nursing Intervention

Department of Oriental Medicine Resources (Master's only)

Seminars

Advanced Medicinal Natural Products Chemistry

Advanced Oriental Medicine Production

Advanced Sa Sang Constitution Advanced Resources Plants Advanced Folk Remedies

Advanced Complementary and Alternative Medicine

Advanced Bioactive Materials

Advanced Chemical Analysis of Oriental Medicine

Advanced Biochemistry

Research

Advanced Breeding Advanced Biotechnology Advanced Crop Physiology Advanced Medicinal Plants

Advanced Medicinal Plant Taxonomy Advanced Oriental Medicine Microbiology Advanced Oriental Medicine Identification

Advanced Herbology Advanced Food Hygiene

Department of Physics

Advanced Classical Mechanics

Advanced Solid State Physics 1

Advanced Solid State Physics 2

Special Topics in Physics 1

Special Topics in Physics 2

Advanced Mathematical Physics

Advanced Quantum Mechanics 1

Advanced Quantum Mechanics 2 Advanced Particle Mechanics 1

Advanced Particle Mechanics 2

Advanced Electrodynamics 1

Advanced Electrodynamics 2

Advanced Statistical Mechanics

Optical System Design 1

Optical System Design 2

Nano-Spectroscopy 1

Nano-Spectroscopy 2

Theory of Many Body System 1

Theory of Many Body System 2

Advanced Laser Optics 1

Advanced Laser Optics 2

Selected Topics in Physics 1

Selected Topics in Physics 2

Selected Topics in Mathematical Physics 1

Selected Topics in Mathematical Physics 2

Quantum Field Theory 1

Quantum Field Theory 2

Advanced Applied Optics 1

Advanced Applied Optics 2

Physics of Magnetic Materials 1

Physics of Magnetic Materials 2

Ultra High Vacuum Science 1

Ultra High Vacuum Science 2 Selected Topics in Statistical Mechanics 1

Selected Topics in Statistical Mechanics 2

Advanced Wave Optics 1

Advanced Wave Optics 2

Surface Physics 1

Surface Physics 2

Surface Spectroscopy 1

Surface Spectroscopy 2

Physics of Complex Systems

Molecular Electronics

physics of Quantum Transport

Physics of Dielectric Materials 1

Physics of Dielectric Materials 2

Selected Topics in Physics 3
Selected Topics in Physics 4
Selected Topics in Physics 5
Selected Topics in Physics 6
Physics of Crystal Growth
Advanced Semiconductor Physics
Advanced Computational Physics 1

Advanced Computational Physics 2 Computational Physics for Nano Materials

Semiconductor Devices

Ethics in Science Intermediate Optics Intermediate Nanophysics Mesoscopic Physics

Physics of Superconductivity Intermediate Solid State Physics Intermediate Semiconductor Physics

Intermediate Particle Physics Intermediate Nuclear Physics

Department of Science Education

Research and Development of Physics Teaching Materials

Special Topics in Advanced Physics Studies 1 Special Topics in Advanced Physics Studies 2 Special Topics in Advanced Physics Studies 3 Special Topics in Advanced Physics Studies 4

Seminar in Advanced Physics Graduate Computational Physics Graduate Classical Mechanics Graduate Electromagnetism 1 Graduate Electromagnetism 2 Graduate Solid State Physics 1 Graduate Solid State Physics 2

Graduate Optics 1 Graduate Optics 2

Learning Animal Physiology

Teaching Theory on Physics Education

Physics Curriculum

Assessment of Physics Education Microbiology and Education

Developmental Biology and Instruction

Special Topics of Molecular Biology and Instruction

Biology Curriculum Study Seminar in Biology Education

Studies on Biology Teaching Materials Topics in Cell Biology and Genetics Graduate Mathematical Physics Learning Plant Physiology Graduate Quantum Mechanics 1 Graduate Quantum Mechanics 2

Quantum Field Theory
Graduate Nuclear Physics 1
Graduate Nuclear Physics 2
Graduate Particle Physics 1
Graduate Particle Physics 2
Graduate Statistical Physics 1
Graduate Statistical Physics 2
Graduate Modern Physics

Modern Biology, Technology and Society

Animal Anatomy and Instruction

Special Topics in Inorganic Chemistry Education Selected Topics in Physical Organic Chemistry Special Topics in Physical Chemistry Education Special Topics in Analytical Chemistry Education

Special Topics of Biochemistry Ecology and Education

Plant Morphology and Instruction

Special Topics in Organic Chemistry Education

Selected Topics in Electrochemistry

Teaching-learning Method & Field Study in Earth Science

Seminar in Earth Science Education

Research Methods in Earth Science Education

Research & Development of Earth Science Teaching Materials

Evolutionary Biology and Instruction

Computer Aided Teaching and Learning Methods in Chemistry

Selected Topics in Statistical Thermodynamics

Selected Topics in Surface Chemistry

Current Topics in Teaching and Learning Methods of Chemistry

Seminar in Chemical Education

Research and Development of Chemistry Teaching Materials

Selected Topics in Chemical Reaction Kinetics

Environment and Education

Seminar in Advanced Solid Earth Science

Advanced Environmental Earth Science & Practices

Seminar in Advanced Atmospheric Science Advanced Evolution Earth Crust & Field Practices Seminar 1 in Advanced Earth System Science Seminar 2 in Advanced Earth System Science

Seminar in Advanced Geophysics Seminar in Advanced Astronomy Seminar in Advanced Ocean Science Advanced Solid Earth Material Science Advanced Atmospheric Science

Advanced Atmospheric Environmental Science

Topic in Hydro-Meteorology

Coastal Ocean Science and Field Practice Thesis Research 1 in Earth Science Advanced Systematics Biology

Selected Topics in Advanced Instrumental Analysis

Selected Topics in Advanced Inorganic Chemistry

Selected Topics in Advanced Physical Chemistry

Selected Topics in Advanced Biochemistry

Selected Topics in Advanced Quantum Chemistry

Selected Topics in Advanced Organic Chemistry

Selected Topics in Advanced Complex Chemistry

Selected Topics in Advanced Chemical Bonding Chemistry

Selected Topics in Solid Chemistry

Selected Topics in Nano-Chemistry

Seminar in Implementation

Thesis Research 2 in Earth Science Regional Ocean Science and Practice Stellar Structure and Evolution

Stellar Atmosphere

Special Topics in Contemporary Astronomy Advanced Physical Chemistry Seminar Advanced Inorganic Chemistry Seminar Advanced Organic Chemistry Seminar

Advanced Analytical Chemistry Seminar

Division of Science Education

Biology Education Major

Logics & Statement for Science Education

Advanced Entomology

Advanced Animal Taxonomy

Seminar in Cell Physiology

Advanced Animal Physiology

Advanced Molecular Genetics

Research Methodology in Biology Education

Advanced Ecology

Advanced Biochemistry

Advanced Cell Biology

Advanced Plant Taxonomy

Advanced Plant Physiology

Advanced Plant Morphology

Advanced Plant Embryology

Advanced Inquiry Teaching

Environment & Education

Theory of Biology Education

Animal Taxonomy & Lab

Biochemistry & Lab Cell Biology

Plant Taxonomy

Chemistry Education Major

Selected Topics in Advanced Instrumental Analysis

Advanced Inorganic Chemistry Seminar

Selected Topics in Advanced Inorganic Chemistry

Advanced Physical Chemistry Seminar

Selected Topics in Advanced Physical Chemistry

Advanced Analytical Chemistry Seminar

Advanced Organic Chemistry Seminar

Selected Topics in Advanced Organic Chemistry

Selected Topics in Solid Chemistry

Selected Topics in Physical Organic Chemistry

Selected Topics in Physical Chemistry Education

Selected Topics in Surface Chemistry

Seminar in Chemistry Education

Research and Development of Chemistry Teaching Materials

Selected Topics in Chemical Reaction Kinetics

Earth Science Education Major

Seminar in Advanced Solid Earth Science

Seminar in Advanced Atmospheric Science

Seminar in Advanced Geophysics

Seminar in Advanced Astronomy

Seminar in Advanced Ocean Science

Advanced Environmental Earth Science & Practices

Teaching-Learning Method & Field Study in Earth Science

Research & Development of Earth Science Teaching Materials

Thesis Research 1 in Earth Science

Thesis Research 2 in Earth Science

Special Topics in Contemporary Astronomy

Solid Earth Science & Inquiry Lab

Advanced Solid Earth Material Science Advanced Atmospheric Science Advanced Atmospheric Environmental Science Coastal Ocean Science and Field Practice Atmospheric Earth Science & Inquiry Lab Ocean Earth Science & Inquiry Lab Introductory Astronomy & Practice 1

Physics Education Major

Special Topics in Advanced Physics Studies 1

Seminar in Advanced Physics

Topics in Advanced Computational Physics

Topics in Classical Mechanics 1 Topics in Classical Mechanics 2 Topics in Electromagnetism 1 Topics in Electromagnetism 2

Topics in Solid State Physics 1

Topics in Optics 1

Topics in Mathematical Physic

Topics in Quantum Mechanics 1
Topics in Quantum Mechanics 2
Topics in Particle Physics 1
Topics in Nuclear Physics 1
Topics in Statistical Physics 1
Studies in Modern Physics

Mechanics 1

Electromagnetism 1 Modern Physics Quantum Physics 1

Department of Science Studies

Seminar on Science and Technology Studies Issues in Science and Technology Studies

History of Science

History of Science in Korea

History of Science and Technology in China History of Contemporary Science and Technology

History of Physical Science History of Life Science Technology and Culture History of Science and Religion

Science, Technology and Modernization
Topics in History of Science and Technology
Issues in History of Science and Technology
Readings in History of Science and Technology

Philosophy of Science Philosophy of Life Science

Philosophical Studies of Contemporary Science and

Technology

Information Technology Ethics

Ethics of Life Science

Nuclear and Environmental Ethics

Science and Art

Philosophy of Science and High-Technology Multi-Media and Philosophy of Science Issues in Philosophical Studies of Science and Technology

Issues in Science and Technology Culture

Study of the Contents of Science and Technology Culture

Social Studies of Science Studies in Scientific Community Study of Scientists and Engineers

Study of Scientific and Technological Institutes

Scientific and Technological Debates Science and Technology Communication Science, Technology and Risk Society

Social Studies of Advanced Science and Technology

Science, Technology, and the Civil Society

Topics in Social Studies of Science and Technology Issues in Social Studies of Science and Technology

Technological Innovation Studies Topics in Science and Technology Policy Science & Technology Policy in Korea

Issues in Science Education

Science Culture and Science Museum

Department of Statistics

Advanced Multivariate Analysis Advanced Categorical Data Analysis Nonlinear Models Biostatistics Advanced Nonparametric Statistics Special Topics in Linear Model

Advanced Survival Analysis Reliability Analysis
Advanced Mathematical Statistics Applied Statistics

Advanced Time Series Analysis Special Topics in Applied Statistics

Advanced Experimental Design Theoretical Statistics

Advanced Decision Theory Special Topics in Theoretical Statistics

Advanced Sampling Theory Generalized Linear Model

Advanced Stochastic Processes Special Topics in Computational Statistics
Advanced Probability Theory Special Topics in Statistical Computing

Advanced Regression Analysis Statistics Education

Financial Statistics Special Topics in Statistical Consulting
Studies in Thesis Special Topics in Statistical Information System

Special Topics in Data Mining

Pattern Recognition & Application

Special Topics in Database Fuzzy Statistics
Bayesian Inference Bio-Informatics

Actuarial Statistics Special Topics in the Monte Carlo Method

Department of Wood Engineering (Master's only)

Advanced Wood Improvement

Advanced Board Manufacturing

Advanced Wood Drying

Advanced Applied Mycology

Advanced Culture & Education in Wood

Advanced Wood Energy

Advanced Wood Physics Advanced Paper Manufacturing Technology

Advanced Wood Preservation Advanced Paper Converting

Advanced Wood Harvest Advanced Chemistry of Natural Products

Advanced Wood Ceramics Engineering Advanced Pulp Bleaching
Advanced Wood Anatomy Advanced Pulp Technology

Advanced Wood Chemistry Case Study in Wooden Cultural Properties

GRADUATE STUDIES PROFESSIONAL GRADUATE SCHOOL

GRADUATE SCHOOL OF DENTISTRY

Homepage: http://dent.chonbuk.ac.kr/

Phone: 82-(0)63-270-4005

The School of Dentistry, established in 1979, is devoted to the advancement of the dental profession by educating dental students and practicing dentists, by carrying on research in dentistry and its related sciences, and by providing services for the public in dental clinics. In 2005, the academic system of the School of Dentistry was changed from a six-year undergraduate course to a four-year graduate level entry dental program for the purpose of producing better-qualified professionals in the field. The new School of Dentistry admits bachelor's degree holders from various disciplines and then train them into excellent professionals in oral health.

The School of Dentistry embodies a student-centered, humanistic approach to education, the Problem-Based Learning centered curriculum, that makes it unique among Korean dental schools. The Problem-Based Learning centered curriculum promotes critical thinking and competencies for lifelong learning required by future oral health professionals in a world of rapid advances in knowledge, changing demographics, disease patterns, health management and delivery systems, technology and quality of life expectations.

Our research efforts are continually revitalized and expanded to support development of new knowledge that will contribute to improved health. We work to remain at the forefront of basic science and translational research, bringing the benefits of our efforts into the clinic and into the classroom. Our students are sophisticated consumers of scientific information and often accomplished scientists who are expanding knowledge with beneficial implications for patient care and beyond.

• Curriculum

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Human Structure 1-1 (5)	1-2-MR	Human Structure 1-2 (4)
1-1-MR	Human Structure Laboratory 1-1 (2)	1-2-MR	Human Structure Laboratory 1-2 (1)
1-1-MR	Human Function 1-1 (6)	1-2-MR	Human Function 1-2 (6)
1-1-MR	Human Function Laboratory 1-1 (2)	1-2-MR	Human Function Laboratory 1-2 (1)
1-1-MR	Behavioral Dentistry 1-1 (2)	1-2-MR	Behavioral Dentistry 1-2 (1)
1-1-MR	Behavioral Dentistry Laboratory 1-1 (2)	1-2-MR	Behavioral Dentistry Laboratory 1-2 (1)
1-1-MR	Clinical Dentistry 1-1 (3)	1-2-MR	Clinical Dentistry 1-2 (4)
1-1-MR	Clinical Dentistry Laboratory 1-1 (1)	1-2-MR	Clinical Dentistry Laboratory 1–2 (3)
2-1-MR	Human Structure 2-1 (3)	2-2-MR	Human Structure 2-2 (3)
2-1-MR	Human Function 2-1 (6)	2-2-MR	Human Function 2-2 (5)
2-1-MR	Behavioral Dentistry 2-1 (1)	2-2-MR	Behavioral Dentistry 2-2 (2)
2-1-MR	Behavioral Dentistry Laboratory 2-1 (1)	2-2-MR	Behavioral Dentistry Laboratory 2-2 (2)
2-1-MR	Clinical Dentistry 2-1 (5)	2-2-MR	Clinical Dentistry 2-2 (5)
2-1-MR	Clinical Dentistry Laboratory 2-1 (4)	2-2-MR	Clinical Dentistry Laboratory 2-2 (4)
3-1-MR	Human Structure 3-1 (3)	3-2-MR	Human Structure 3-2 (1)
3-1-MR	Human Function 3-1 (3)	3-2-MR	Human Function 3-2 (2)
3-1-MR	Behavioral Dentistry 3-1 (1)	3-2-MR	Behavioral Dentistry 3-2 (1)

3-1-MR 3-1-MR 3-1-MR	Behavioral Dentistry Laboratory 3-1 (2) Clinical Dentistry 3-1 (7) Clinical Dentistry Laboratory 3-1 (5)	3-2-MR 3-2-MR	Clinical Dentistry 3-2 (6) Clinical Dentistry Practice 3-2 (10)
4-1-MR 4-1-MR 4-1-MR 4-1-MR 4-1-MR	Human Structure 4-1 (1) Human Function 4-1 (2) Behavioral Dentistry 4-1 (1) Clinical Dentistry 4-1 (4) Clinical Dentistry Practice 4-1 (12)	4-2-MR 4-2-MR 4-2-MR 4-2-MR 4-2-MR 4-2-MR	Human Structure 4-2 (1) Human Function 4-2 (1) Dental Research (1) Clinical Dentistry 4-2 (4) Clinical Dentistry Practice 4-2 (12) Dental Clinical Practice (1)

MR: Major Required, ME: Major Elective

Faculty

Faculty	
· Baik, Byeong-ju, D.D.S. Ph.D.	Professor, Dental Material, Behaviour Science, Occlusal Development, bjbaik@jbnu.ac.kr, 250-2015
· Shin, Hyo-keun, D.D.S. Ph.D.	Professor, Oral and Maxilllofacial Surgery, Maxillofacial Deformity, Speech Therapy for cleft palate patients, hkshin@jbnu.ac.kr, 250-2014
· Lee, Jun-rye, M.D. Ph.D.	Professor, General anesthetics, jrlee@jbnu.ac.kr, 250-1249
· Chang, Kee-wan, D.D.S., Ph.D.	Professor, Prevention of Dental Disease, Oral Epidemiology, Dental Health Education, prevdent@jbnu.ac.kr, 270-4034
· Koh, Kwang-jun, D.D.S. Ph.D.	Professor, Oromaxillofacial Radiology, kkj1512@jbnu.ac.kr, 250-2023
· Song, Kwang-yeob, D.D.S. Ph.D.	Professor, Complete Denture Treatment, Surface Treatments of Dental Implant, Stress Analysis of Prosthesis, skydent@jbnu.ac.kr, 250-2024
· Bae, Tae-sung, Ph.D.	Professor, Implant Surface Treatment, Bioceramics, Bio-functional materials, bts@jbnu.ac.kr, 270-4041
· Cho, Nam-pyo, D.D.S. Ph.D.	Professor, Oral Pathology, Cancer Biology, Proteomics, npcho@jbnu.ac.kr, 270-4026
· Park, Byung-keon, D.D.S. Ph.D.	Professor, Oral Anatomy, Craniofacial Development, Dental Education, bkpark@jbnu.ac.kr, 270-4044
· Kim, Jong-ghee, D.D.S. Ph.D.	Professor, Orthodontics, Craniofacial Cell Biology, Craniofacial Growth & Development, kjgortho@jbnu.ac.kr, 250-2031
· Lee, Kwang-won, D.D.S. Ph.D.	Professor, Tooth Adhesion, Composite Resin, Fluid Hydrodynamics, lkw@jbnu.ac.kr, 250-2016
· Park, Soo-joung, D.D.S. Ph.D.	Professor, Neurophysiology, Neuroendocrinology, Orofacial Pain, soopark@jbnu.ac.kr, 270-4029
· Kim, Jae-gon, D.D.S. Ph.D.	Professor, Pediatric Dentistry, Cariology, Esthetic Dentistry, pedokjg@jbnu.ac.kr, 250-2223
· Ahn, Seung-geun, D.D.S. Ph.D.	Professor, Fixed Prosthodontics, Dental Implants, Occlusion, sgahn@jbnu.ac.kr, 250-2032
· Cho, Eui-sic, D.D.S. Ph.D.	Professor, Craniofacial Development, Periodontal Regeneration, Matrix Biology, oasis@jbnu.ac.kr, 250-4045
· Ko, Seung-o, D.D.S. Ph.D.	Professor, Oral and Maxillofacial Surgery (Othognathic Surgery, Oral Cancer Surgery), Craniofacial Development, omfskso@jbnu.ac.kr, 250-2211
· Park, Ju-mi, D.D.S. Ph.D.	Professor, Implant, Zirconia Ceramics, Removable Partial Denture,

	jmpark@jbnu.ac.kr, 250-2030
· Suh, Bong-jik, D.D.S. Ph.D.	Professor, Temporomandibular Disorders, Orofacial Pain, Oral Mucosal Disease, yonam@jbnu.ac.kr, 250-2206
· Chang, Moon-taek, D.D.S.Odont, Lic.	Professor, Periodontology, Implant Dentistry, Prosthetic Dentistry, chang@jbnu.ac.kr, 250-2216
· Lee, Min-ho, Ph.D.	Professor, Implant surface treatment, Bioceramics, Bio-functional Materials, lmh@jbnu.ac.kr, 270-4042
· Jeon, Young-mi, D.D.S. Ph.D	Associate professor, Orthodontics, Craniofacial Growth & Development, young@jbnu.ac.kr, 250-2130
· Soh, Yun-jo, Ph.D.	Associate professor, Oxidative Stress, Drug Discovery, Bone Lytic Diseases, ysoh@jbnu.ac.kr, 270-4038
· Jeon, Jae-gyu, D.D.S. Ph.D.	Associate professor, Preventive Dentistry, Oral Bio-film, dentjjk@jbnu.ac.kr, 270-4036
· Yu, Mi-kyung, D.D.S. Ph.D.	Associate professor, Tooth Adhesion, Composite Resin, Fluid Hydrodynamics, mkyou102@hanmail.net, 250-2045
· Lee, Young-hoon, D. V.M. Ph.D.	Associate professor, Oral Anatomy, Oral Histology, Tooth Development, yhlee@jbnu.ac.kr, 270-4048
· Lee, Jeong-chae, Ph.D.	Associate professor, Mechanosignal Transduction Pathway, Antioxidant Therapy, Bone Cell Biology, leejc88@jbnu.ac.kr, 270-4049
· Yi, Ho-keun, Ph.D.	Professor, Biochemistry, Molecular Biology, Oncology, yihokn@jbnu.ac, kr, 270-4033
· Baek, Jin-a, D.D.S. Ph.D.	Associate professor, Oral and Maxillofacial traumatology, Orthognathic Surgery, Cleft Lip and Palate, omfsbja@jbnu.ac.kr, 250-2213
· Yang, Yeon-mi, D.D.S. Ph.D.	Associate professor, Pediatric Dentistry, Cariology, Esthetic Dentistry, pedo1997@jbnu.ac.kr, 250-2212
· Han, Seong-kyu, D. V.M. Ph.D.	Associate professor, Neurophysiology, Neuroendocrinology, Orofacial Pain, skhan@jbnu.ac.kr, 270-4030
· Lee, Kyung-yeol, Ph.D.	Associate professor, Oral Microbiology, Cellular Microbiology, Mucosal Immunology, kyleecnu@jbnu.ac.kr, 270-4023
· Lee, Kyung-eun, D.D.S. M.S.D.	Assistant professor, Bruxism, lke@jbnu.ac.kr, 250-2044
· Leem, Dae-ho, D.D.S. M.S.D.	Associate professor, Implantology, Oral Cancer, idisho@jbnu.ac.kr, 250-2355
· Kim, Kyoung-a, D.D.S. Ph.D.	Assistant Professor, Oromaxillofacial Radiology, beam@jbnu.ac.kr, 250-2220
· Cho, Sung-dae, D.V.M. Ph.D.	Associate professor, Oral Oncology, efiwdsc@jbnu.ac.kr, 270-4027
· Chae, Jung-Il, Ph.D.	Associate professor, Stem Cell Biology, jichae@jbnu.ac.kr, 270-4024
· Lee, Seung-Youp, D.D.S. Ph.D.	Assistant Professor, Orthodontics, j2j2j2j@jbnu.ac.kr, 270-4024
· Seo, Jae-min, D.D.S. M.S.D	Assistant Professor, Fixed Prosthodontics, Dental Implants, Occlusion, Esthetic dentistry, jmseo@jbnu.ac.kr, 250-2696
· Min, Kyung-San, D.D.S. Ph.D.	Associate Professor, Endodontics, Pulp-dentin Complex Regeneration, Tissue Engineering, mksdd@jbnu.ac.kr, 250-2764
· Heo, Seok-Mo, D.D.S. Ph.D.	Assistant professor, Periodontology, Implant Dentistry, Oral Microbiology, Proteomics, neoheo@chonbuk.ac.kr, 250-2018

GRADUATE SCHOOL OF LAW (LAW SCHOOL)

The Law School, which was opened in March 2009, is the center for legal education programs in Korea. In the internationalized and pluralized modern society, the raising of legal experts who have professional knowledge and a capacity for problem solving has become a necessary requirement as well as an essential virtue. The Law School aims to educate local legal experts who have a professional capability in service for human society.

CBNU has already produced many key contributors to Korean society, and its successful results in the National Bar Examination have been maintained at a high level compared to those of the other universities. The Law School has set up the best educational environment which includes a faculty comprised of knowledgeable professors and outstanding lawyers. We are especially well prepared to raise professionals on Northeast Asian Law, due to our unique law school program, both the Institute for Northeast Asian Law and the Institute of Legal Research have successfully been run for a number of years,

The Law School is equipped with various facilities to provide convenience in assisting students' studies. The newly constructed Law School Building (Jinsu-dang) is well-equiped with ultramodern facilities including an international conference hall, spacious lecture halls, an athletic (fitness) center, a nursing room as well as a Moot Court Room all of which are fully equipped with the latest automatic equipment and network infrastructure. In addition, the Law School provides its own library (Sung-won Library) which accommodates more than 300 students. The library has a collection of more than fifty thousand books and materials and provides international legal information of 5 countries (U.S.A., Japan, Germany, China and Korea) with the web-DBs such as Westlaw, Juris Spectrum, D1-Law, i-Sino-Law, and LeCS. The Law School also supports various internal and external scholarship programs, which extend to dormitories so as to maximize the social welfare of students,

Year	Course (Credit)	Year	Course (Credit)
1-1-MR	Legal Research (1)	1-2-MR	Theory of Fundamental Rights (3)
1-1-MR	Legal Ethics (1)	1-2-MR	General Theory of Administrative Law (3)
1-1-MR	Basic Theories of Constitutional Law (3)	1-2-MR	Civil Law 3 (3)
1-1-MR	Civil Law 1(3)	1-2-MR	Civil Procedure Law 1 (3)
1-1-MR	Criminal Law 1 (3)	1-2-MR	Legal Writing (1)
1-1-MR	Civil Law 2 (3)	1-2-ME	Human Rights Law (3)
1-1-ME	History of Legal Ideas (3)	1-2-ME	Intellectual Property Law 1 (3)
1-1-ME	Modern Society and Human Rights (3)	1-2-ME	Criminal Law 2 (3)
1-1-ME	Lawyer and Communication (3)	1-2-ME	Commercial Transaction Law (3)
1-1-ME	Japanese Society and Law (3)	1-2-ME	Information and Human Rights (3)
1-1-ME	Chinese Law 1 (3)	1-2-ME	Philosophy of Law (3)
		1-2-ME	Anglo-American Law (3)
		1-2-ME	Chinese Law 2 (3)
		1-2-ME	Japanese Enterprises & Law (3)
		1-2-ME	Lawyers in the era of Globalitation (3)
2-1-MR	Criminal Procedure Law 1 (3)	2-2-ME	Social Law (3)
2-1-MR	Corporation Law 1 (3)	2-2-ME	Local Government Law (3)
			<u> </u>

2-1-ME	Theory of Power Structure (3)	2-2-ME	Theory of Constitutional Adjudication (3)
2-1-ME	Legal System of Administrative Remedies (3)	2-2-ME	Seminar on Civil Law 1 (3)
2-1-ME	Anti-discrimination Law (3)	2-2-ME	Legal Fact (2)
2-1-ME	Intellectual Property Law 2 (3)	2-2-ME	Contemporary Legal Theory (3)
2-1-ME	Copyright Law (2)	2-2-ME	Human Rights Policy (3)
2-1-ME	Special Criminal Acts (3)	2-2-ME	Environmental Law (3)
2-1-ME	Competition Law & Consumer Law 1 (3)	2-2-ME	Private Law of Real Estate (3)
2-1-ME	Labor Law 1 (3)	2-2-ME	Modern Torts Law (3)
2-1-ME	Basic Principles of International law (3)	2-2-ME	Criminal Policy (3)
2-1-ME	Private International Law (3)	2-2-ME	Criminal Procedure Law 2 (3)
2-1-ME	Civil Law 4 (3)	2-2-ME	Labor Law 2 (3)
2-1-ME	Bankruptcy Law (2)	2-2-ME	Case Studies of Social Law (3)
2-1-ME	The Law of International Organizations (3)	2-2-ME	Competition Law & Consumer Law 2 (3)
2-1-ME	Civil Procedure Law 2 (3)	2-2-ME	Commercial Paper Law (3)
2-1-ME	Seminar on Criminal Law (3)	2-2-ME	Corporation Law 2 (3)
2-1-ME	Insurance & Maritime & Air Transport Law (3)	2-2-ME	Capital Market & Financial Investment Law (3)
2-1-ME	Criminal Sanction (3)	2-2-ME	International Transaction Law (3)
2-1-ME	Generals of Tax Law (3)	2-2-ME	Civil Law 5 (3)
2-1-ME	Chines Foreign Investment Cooperation Law and	2-2-ME	Lawyer and Negotiation (3)
Z I WIL	Case Study (3)	2-2-ME	Criminal Investigation and Prosecution 1 (2)
2-1-ME	Chines Investment Legal System and Case Study	2-2-ME	Special Parts of Administrative Law (3)
Z I WIL	(3)	2-2-ME	Topics in Criminal Law (3)
	(3)	2-2-ME	Civil Execution Law (3)
		2-2-ME	Practice to Civil Lawyer (3)
		2-2-ME	Practice to Criminal Lawyer (3)
		2-2-ME	General of Chinese Tax Law & Case Study (3)
		2-2-ME	Chines Intellectual Property Rights Legal System
		Z Z IVIL	and Case Study (3)
		2-2-ME	General Principles of International Law (3)
		2-2-ME	Understanding of International Treaties (3)
2.1.145	M. 1. T.: 1(4)	2 2 145	
3-1-ME	Mock Trial (1)	3-2-ME	Comprehensive Seminar on Civil Law (3)
3-1-ME	Lawyering Practice Externship 1 (1)	3-2-ME	
			Prison Law (3)
3-1-ME	Seminar in International Transaction Law (3)	3-2-ME	Seminar on Criminal Law and Procedure (3)
3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3)	3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2)
3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3)	3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2)
3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3)	3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3) Northeast Asian Environmental Law (2)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3) Medical Law and Medical Litigation
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3) Northeast Asian Environmental Law (2)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3) Medical Law and Medical Litigation Internet and Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3) Northeast Asian Environmental Law (2) Japanese Administrative Law (2)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3) Medical Law and Medical Litigation
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3) Northeast Asian Environmental Law (2) Japanese Administrative Law (2) Economic Law of Northeastern Asia (2)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3) Medical Law and Medical Litigation Internet and Law (3)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3) Northeast Asian Environmental Law (2) Japanese Administrative Law (2) Economic Law of Northeastern Asia (2) Scientific Investigation (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3) Medical Law and Medical Litigation Internet and Law (3) Lawyering Practice Externship 2 (1)
3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME 3-1-ME	Seminar in International Transaction Law (3) Seminar in Constitutional law (3) Seminar on Civil Procedure Law (3) Criminal Case Study (3) Educational Law (3) Exercises of Social Law (3) Seminar on Family Law (3) Seminar on Criminal Procedure Law (3) Exercises of Labor Law (3) Commercial Arbitration Law (2) Seminar on Corporation Law (3) International Economic Law (3) Northeast Asian Environmental Law (2) Japanese Administrative Law (2) Economic Law of Northeastern Asia (2) Scientific Investigation (3) Practice of Administrative Litigation (3)	3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME 3-2-ME	Seminar on Criminal Law and Procedure (3) Practice of Compensation for Damages (2) Practice of Intellectual Property Law (2) Practice of Labor Law (3) Seminar in Commercial Law (3) Seminar on Economic Law (3) Legislation (3) Disabilities Law (3) Juvenile Law (3) Human Rights in Northeast Asia (2) Particulars of Chinese Tax Law & Case Study (3) Medical Jurisprudence (3) Sports Entertainment Law (3) Medical Law and Medical Litigation Internet and Law (3) Lawyering Practice Externship 2 (1) Economic Constitution Law (3)

3-1-ME	Law and Bioethics (3)	3-2-ME	Particulars of Tax Law (3)
3-1-ME	Criminal Investigation and Prosecution 2 (2)	3-2-ME	Legal Consultation Practice (3)
3-1-ME	Social Security Policy (3)	3-2-ME	Seminar in Comprehensive Public law (3)
3-1-ME	Practice of Provisional Attachment and	3-2-ME	Particulars of Chinese Tax Law & Case Study (3)
	Provisional Disposition (2)		
3-1-ME	Seminar in Administration law (3)		
3-1-ME	International Human Rights Law (3)		
3-1-ME	Case Study of Financial Disputes (3)		
3-1-ME	Practice to Criminal Trial (3)		
3-1-ME	Seminar in Chines Law (3)		
3-1-ME	Gender and Law (3)		

GRADUATE SCHOOL OF MEDICINE (MEDICAL SCHOOL)

The Graduate School of Medicine (Medical School) strives to provide competent physicians with the knowledge, skills and professionalism necessary to complete the next stage of their professional careers and to take responsibility for promoting health of the community. The Medical School has four educational objectives for the students of medicine: (1) the students must develop excellence in disease prevention and treatment, (2) the students have to acquire confidence and competence in medical research, (3) the students should learn to act with integrity, professionalism and compassion, and (4) the students are expected to reinforce motivation for future learning and self development.

The Medical School was established in 1972 as the College of Medicine with a first class of 60 medical students followed by the opening of Chonbuk National University Hospital in 1975. By 1979, the number of medical students in each grade had increased to 120 and now we have about 480 medical students and 230 graduate students who are taught by 160 full time faculty members. Currently, there are over 3,200 alumni working in diverse medical fields all over the world.

In 1984, the present Chonbuk National University Hospital opened with over 1,000 beds and 22 clinical departments. For achieving a substantial and professional medical education, resources such as the Medical Library, Medical Student Building, and Chonbuk Medical Simulation Center are used extensively. Most recently, a newly constructed dormitory for medical students opened in 2008. We also have various superb medical research facilities such as Clinical Science Research Center, Basic Medical Science Research Center, Clinical Trial Center for Functional Food, Cardiovascular Research Center, Clinical Research Center, Medical Research Center, and so on,

The environmentally friendly Chonbuk National University Medical Complex is located at the base of Gunji Mountain with total area of the complex about 100 acres. It consists mainly of the buildings of the Medical School, the School of Dentistry, the College of Veterinary Medicine, the College of Nursing, the Chonbuk National University Hospital, the Emergency Medical Center, the Cancer Center, the Dental Hospital, the Veterinary Hospital, and the Medical Faculty Research Building.

Leading medical education, the Medical School has initiated various new programs including Problem Based Learning, Objective Structured Clinical Examination/Clinical Practice Examination, Advanced Elective Courses, and Clinical Simulation Classes. Fundamental medical concepts are mastered by problem based learning rather than by memorizing textbooks. Renovated laboratories in the brand new building of the Medical Science Research Center helps students to understand the human body, and the recently established Chonbuk Medical Simulation Center with the newest facilities, gives medical students a great opportunity to learn clinical skills effectively. Extensive medical practice is emphasized for medical students and to best promote students' specialties, various advanced elective courses are available. Advanced elective courses are designed to develop deep understanding in specific subjects. The curriculum also introduces medical ethics in order to enhance humanistic attitudes in medical students.

The key to succeeding in a rapidly changing world is to develop an ability to cope with and embrace that change. Therefore, CBNU Medical School has made great efforts to find effective and practical methods that help its students not only adapt to change, but to actually be a driving force in making

positive changes in medicine and in the world.

To achieve its goals, in 2002, CBNU initiated a series of changes, including improvements to the curriculum and facilities. In 2006, the European-based six-year curriculum (2 years of premedical + 4 years of medical school) was restructured into the current eight-year curriculum (4 years of undergraduate studies + 4 years of medical). This revolutionary transformation at the CBNU Medical School is providing medical students with the best possible curriculum, facilities, professors and guidance. As a result, with more opportunities for students to participate in meaningful research and practical clinical experience, CBNU Medical School is becoming a global leader in medical education.

Curriculum

Year 1

The first year is designed to study the structure and function of the normal body and deviations resulting from aging, disease and other causes. First year students take basic science courses with introductory courses in clinical subjects. Practical pre-clinical coursework in the Chonbuk Medical Simulation Center (eg. Introduction to Clinical Medicine and Problem-Based Learning) reinforces lessons taught in lectures.

Semester	Courses	Lecture (hours)	Practice (hours)	Credit
	Molecule, Cell and Medicine	84		4
	Integrated Human Anatomy and Physiology 1	100		5
	Integrated Human Anatomy and Physiology 2	124		6
1	Human Life Cycle	36		2
ı	Introduction to Clinical Medicine 1		80	1
	Patient-Doctor-Society 1	56		3
	Problem-Based Learning 1		80	1
	Electives			2
Total		400	160	24
	Pathophysiology of Cellular Response	132		6.5
	Infectious Disease	104		5
	Oncology	28		1.5
2	Introduction to Clinical Medicine 2	96	80	6
	Patient-Doctor-Society 2	40		2
	Problem-Based Learning 2		80	1
	Electives			2
Total		400	160	24

Year 2

The second year curriculum continues with interdisciplinary and organ system based clinical studies, extending to cover pathologic conditions. Second year students continue to practice clinical medicine in Chonbuk Medical Simulation Center.

Semester	Courses	Lecture (hours)	Practice (hours)	Credit
	Hematology	44		2
	Cardiovascular Medicine	68		3.5
	Respiratory Diseases	68		3.5
	Kidney and Urinary System	56		3
	Fetal-Maternal-Perinatal Medicine	52		2.5
1	Dermatology, Ophthalmology, Otology	60		3
	Musculoskeletal Disorder	40		2
	Patient-Doctor-Society 3	40		2
	Introduction to Clinical Medicine 3	52	80	3.5
	Problem-Based Learning 3		80	1
	Electives			2
Total		480	160	28
	Allergology and Immunology	24		1
	Neurology	56		3
	Gastroenterology	84		4
	Psychiatry	48		2.5
	Endocrinology and Metabolism	52		2.5
2	Reproductive Medicine	64		3
	Introduction to Clinical Medicine 4	92	80	5.5
	Patient-Doctor-Society 4	44		2
	Medical Ethics	16		1
	Problem-Based Learning 4		80	1
	Electives			2
Total		480	160	27.5

Year 3

Third year students begin clerkship rotations in a number of departments throughout Chonbuk National University Hospital. Students participate directly in the management of clinical problems during their clerkship periods. Clerkship rotations are designed to introduce students to various disciplines; the clerkship of internal medicine is composed of 8 subdivisions of internal medicine such as gastrointestinal, cardiovascular, nephrology, pulmonology, infection, rheumatology oncology-hematology.

Semester	Courses	Clerkship	Lecture (hours)	Practice (hours)	Credit
1	Clerkship in Internal Medicine 1	4 weeks		160	4
	Clerkship in Obstetrics and Gynecology	4 weeks		160	4
	Clerkship in Pediatrics	4 weeks		160	4
	Clerkship in Psychiatry	4 weeks		160	4
	Clerkship in Neurology	2 week		80	2

1	Clerkship in Diagnostic Radiology	2 week	80	2
	Case-Based Learning 1		80	2
Total		20 weeks	880	22
	Clerkship in Internal Medicine 2	8 weeks	320	8
	Clerkship in Surgery 1	4 weeks	160	4
	Clerkship in Chest Surgery	1 weeks	40	1
	Clerkship in Orthopedic Surgery	1 weeks	40	1
	Clerkship in Neurosurgery	1 weeks	40	1
2	Clerkship in Plastic Surgery	1 weeks	40	1
	Clerkship in Neurology	1 week	40	1
	Clerkship in Dermatology	1 week	40	1
	Clerkship in Ophthalmology	1 week	40	1
	Clerkship in Otorhinolaryngology	1 week	40	1
	Case-Based Learning 2		80	2
Total		20 weeks	880	22

Year 4

The fourth year curriculum continues clerkship rotations in the first half of the year and the second half of the fourth year offers general lectures to conclude the academic requirements for students to become medical doctors.

Semester	Courses	Clerkship	Lecture (hours)	Practice (hours)	Credit
	Clerkship in Internal Medicine 3	4 week		160	4
	Clerkship in Surgery 2	2 week		80	2
	Clerkship in Emergency Medicine	2 week		80	2
	Clerkship in Intensive Care Medicine	1 week		40	1
	Clerkship in Laboratory Medicine	1 week		40	1
	Clerkship in Anesthesiology and Pain Medicine	1 week		40	1
1	Clerkship in Radiation Oncology	1 week		40	1
	Clerkship in Rehabilitation Medicine	1 week		40	1
	Clerkship in Nuclear Medicine	1 week		40	1
	Clerkship in Community Medicine	1 week		40	1
	Clerkship in Family Medicine and Off-campus Elective	3 week		120	3
	Advanced Clerkship in Clinical Medicine	2 weeks		80	2
	Case-Based Learning 3			80	2
Total		20 weeks		880	22
2	General Lecture 1		80		4
	General Lecture 2		160		8
	Dentistry		10		0.5
Total			250		12.5

BASIC MEDICAL SCIENCE FIELD

Department of Anatomy

The Department of Anatomy consists of courses in gross anatomy, histology, neuroanatomy and embryology. These courses are designed to introduce medical students to the structures of the human body, interrelations between body parts and appropriate clinical research. Laboratory programs consist of dissecting the human body and observing histological specimens using light and electron microscopes.

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Department of Biochemistry

The Department of Biochemistry is actively involved in its dual mission of providing a professional education for its students and conducting cutting-edge research. The department operates at both didactic and hands-on levels in training its medical students, graduate students and post-doctoral fellows. The goal of the department is to perform its education and research objectives at a level admired by our colleagues and envied by our competitors. The department consists of four faculty members and one member of staff. The research pursued by these scientists falls into three broad categories: NAD/Calcium signaling, metabolism and aging. The common thread connecting all research within the department is the objective of resolving biological reactions, circuits and pathways at a molecular level. The distinguishing feature of the Department of Biochemistry is its dedication to the task of integrating modern research in chemistry into an institution rich in the fields of molecular biology, genetics, pharmacology, physiology, cell biology and clinical science.

Faculty

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Department of Forensic Medicine

The Department of Forensic Medicine deals with the topics of forensic pathology, medical genetics and medical jurisprudence. Changes after death and findings associated with various kinds of injuries are our major interests in forensic pathology. We deal daily with autopsies referred from various accidents, and each case is supported by individual identification using DNA fingerprints. Furthermore, we focus on studying various social problems that are caused by conflicts between medicine and legal theory. Based on such academic studies and hands-on experiences in forensic medicine, we try to educate students to competently cope with the various issues, comprised of social and medical conflicts, and to apply knowledge contextually in dealing with the dead.

Faculty

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Department of Immunology

The Department of Immunology deals with research areas such as (1) the building blocks of the immune systems cells, organs, and the major receptor molecules including antibodies, T cell receptors and MHC molecules, (2) the initiation of the immune response, leading from presentation and co-stimulation through cell activation pathways to the actions of cytokines, and (3) the principle effector arms of the immune response, such as TH2 responses with antibody production, TH1 responses and molecular phagocytes and cytotoxicity including TC cells and NK cells. Based on our research background, we provide students with a sound understanding of immune responses, which underlie clinically important areas, namely defense against infection, hypersensitivity states and allergies, immunopathology, tumor immunotherapy and transplantation.

Faculty

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· Kim, Dae-ki, Ph.D. Associate Professor, Cellular Immunology, daekim@chonbuk.ac.kr, 270-3080

Department of Medical Education

The Department of Medical Education was established in 2003 to support and encourage the improvement of medical education by providing faculty development; consultation on design, implementation and revision of educational programs, and conducting research into effective means of delivering medical education. Recently Professor Kim, Jung-Soo was appointed as director of the department, and an additional 26 supporting faculty members were organized into 5 subdivisions to encourage educational innovations such as medicine & humanities, instruction methodology, instructional evaluation, clinical education and e-learning.

Faculty

Kim, Jung-Ryul, M.D. Ph.D. Associate Professor, Pediatric orthopaedics & Oncology, jrkeem@chonbuk.ac.kr, 250-1767

Department of Microbiology

The Department of Microbiology emphasizes understanding of microbial pathogenesis and host defense against infectious agents, stem cell biology and gene therapeutic approaches for complex diseases, and chronic infectious diseases. The department has four faculty members who direct their own independent research programs and are responsible for supervising postdoctoral fellows, graduate students and the departments one member of administrative staff. In addition to research activities, our faculty members are responsible for teaching courses in medical microbiology and genetics to medical and graduate students.

Faculty

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 Han, Myung-kwan, Ph.D. Professor, Phagocytosis and Stem Cell Research, iamtom@chonbuk.ac.kr, 270-3106

· Chung, Kyung-min, Ph.D. Associate Professor, Molecular Virology, kmin@chonbuk.ac.kr, 270-3068

Department of Pathology

In the Department of Pathology, whose literal meaning is the study (logos) of suffering (pathos), students learn the basic concepts of disease including its causes (etiology), mechanisms of its development (pathogenesis), the structural alterations disease induces in the cells and organs of the body (morphologic changes), and the functional consequences of these morphologic changes (clinical significance). Lectures, microscopic observation sessions, basic pathologic experiments and practice of anatomic pathology sessions are given to freshmen and sophomores. Students are required to acquire basic pathologic knowledge in human diseases and the ability to properly describe pathogenesis. The department consists of six faculty members and performs important educational roles for medical and post-graduate students. All faculty members are actively involved in research activities which are reflected in the publication list.

Pathology is a major discipline that bridges basic science and clinical practice. The clinical service provided by the Department of Pathology is also of great importance. The clinical service is categorized into several areas: surgical pathology, cytopathology, immuno-molecular pathology and electron microscopic pathology. The department aims to enhance patient care and treatment by providing recommendations and findings of tests on tissues, specimens and cells collected from patients.

Faculty

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· Park, Ho-sung, M.D. Ph.D. Associate Professor Professor, Gastrointestinal Pathology,

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Department of Pharmacology

The Department of Pharmacology studies the interactions between chemicals and living systems. The Pharmacology course covers pharmacodynamics, pharmacokinectics, chemotherapy, pharmacy pharmacotherapeutics and toxicology.

Faculty

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· Kwak, Young-geun, M.D. Ph.D. Professor, Cardiopharmacology, ygkwak@chonbuk.ac.kr, 270-3091

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Department of Physiology

The Department of Physiology is considered the home for research and teaching focused on understanding the basic mechanisms of fundamentally important life processes. Physiology is concerned with the function of organisms at many stages of organization, from the sub-cellular level to the intact organism. In the healthy human, many variables are maintained within narrow limits. The list of controlled variables includes body temperature, blood pressure, ionic composition of the body's various fluid compartments, blood glucose levels, and oxygen and carbon dioxide contents of the blood. This ability to maintain relative constancy of such critical variables, even in the face of substantial environmental changes, is known as homeostasis. One of the central goals of physiological research is the elucidation of hemostatic mechanisms. In particular, the research interests of department's faculty include the regulation of body fluids and blood pressure via the hormonal system; the renin-angiotensin system, atrial natriuretic peptide system, and other peptide hormones. We are also interested in molecular cell biology as well as cell physiology. The faculty members are deeply engaged in technological developments and specialize in various methods for the secretion of the peptide hormone and its receptor function. The teaching mission

of the department includes medical courses in physiology as well as graduate courses. In addition, we offer advanced courses in a wide range of specialty areas reflecting the research interests of our faculty.

Faculty

· Kim, Suhn-hee, M.D. Ph.D. Professor Cardiovascular and Renal Physiology, Endocrinology,

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· Kim, Sung-zoo, M.D. Ph.D. Professor, Comparative Physiology, Endocrinology,

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· Kim, soo-mi, Ph.D. Assistant Professor Professor, Cell Physiology,

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Department of Preventive Medicine and Public Health

The Department of Preventive Medicine and Public Health aims to preserve and promote health in the community through preventing diseases or eradicating hazardous environments which surround human society. This field offers courses that evaluate the effects on health and diseases in various environmental situations by epidemiological and socio-medical approaches. Our health management systems are also be studied by medical students for understanding of secondary and tertiary prevention.

Faculty

· Koh, Dai-ha, M.D. Ph.D. Professor, Environmental & Occupational Medicine, Industrial Hygiene,

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CLINICAL SCIENCE FIELD

Department of Anesthesiology and Pain Medicine

The Department of Anesthesiology and Pain Medicine has a significant role in the CBNU Hospital where many sophisticated and complex procedures are performed, including congenital cardiac procedures, adult open heart surgery, extensive and sophisticated neurosurgery, and orthopedic surgery. All patients are potential teaching cases. Assignments of cases to residents are made by anesthesiology staff members, and every attempt is made to tailor daily work assignments to resident experience levels and educational needs. Also, the clinical activities of the department outside of operating rooms are increasing. There is an active Pain Clinic for diagnosis and treatment of intractable pain using various approaches. Subarachnoid, epidural, and sympathetic nerve blocks are routinely performed. Increasingly, the clinic is involved in the care of cancer patients who typically require pharmacological and other treatments. The Intensive Care Unit is staffed by the faculty of Anesthesiology who have wide experience in managing acute situations and are skilled in the care of critically ill patients, These anesthesiology staff members are responsible for the administrative and medical supervision of the Intensive Care Unit.

Faculty

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Department of Biomedical Engineering

The Department of Biomedical Engineering was established for research and development purposes and also the maintenance of high-tech medical equipment and devices. Biomedical engineering refers to the application of engineering techniques to problems in medicine and biology. The interplay among the physical sciences, engineering, biology, and the medical sciences takes many forms. Students have a chance to understand the basic concepts and applications of engineering in medicine. The topics covered in this course are medical physics, biomedical instrumentation, medical imaging, bio-mechanical artificial organs, bio-materials radiation transports and simulation, radiation detectors, sensor devices and new technologies for medical devices.

Faculty

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Department of Dermatology

The Department of Dermatology, established in 1978, offers a residency training program and a doctoral program in dermatology. Currently, the department is staffed by three faculty members and seven residents. The department covers a minimum of three beds, three out-patient clinics, one operation room, one laser treatment room, one clinical laboratory, one dermatological skin care room, and two phototherapy rooms. The average number of outpatients per year is between 20,000 and 25,000 and the annual number of inpatients is about 120.

Faculty

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· Yun, Seok-kweon, M.D. Ph.D. Professor, Dermatosurgery and Dermatopathology,

dermayun@chonbuk.ac.kr, 250-1894

· Park, Jin, M.D. Assistant Professor, Alopecia, Hair Transplant, airmd@chonbuk.ac.kr,

250-2745

Department of Diagnostic Radiology

The Department of Diagnostic Radiology aims to produce competent doctors who are well equipped with the basic knowledge of medical imaging and relevant medical practices. To achieve this aim, the department is divided into several parts: Gastrointestinal Radiology, Interventional Radiology, Thoracic and cardiac Radiology, Neuroradiology, Uroradiology, Pediatric Radiology, Musculoskeletal Radiology, Breast Radiology, The study consists of 40 hours of intensive lectures during the fourth semester of the first year and 20 hours of block lecture during second and third year studies. For 2 weeks during fourth year studies, teams of 10-12 people go to polyclinics for practical training.

Faculty

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· Jin, Gong-yong, M.D. Ph.D. Assistant Professor, Thoracic and Cardiac Radiology,

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· Kwak, Hyo-sung, M.D. Ph.D Associate Professor, Interventional Radiology,

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· Hwang, Seung-bae, M.D. Assistant Professor, Pediatrics and Neurology Imaging medical,

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Department of Emergency Medicine

The Department of Emergency Medicine offers lectures and clinical instructions in the field of Emergency Medicine during the first half of the fourth year of medical school. The lectures consist of general concepts of emergency medicine, cardiopulmonary cerebral resuscitation, traumatology, toxicology, disaster medicine, and environmental emergencies. Major concerns of bedside teaching are the patients' emergency treatment from the initial emergency management and the resuscitation phase to a more definitive care and proper disposition through continued clinical and diagnostic evaluation. Clinical training also includes ward rounding, journal meetings, and case presentations. This two-week course yields two credits. This department, with a tertiary care referral center of 35,000 annual ED visits, handles 42 beds with three board certified professors and a number of nursing staff who have specialized emergency training. As part of the National Plan for an Emergency Medical Network, the department serves a leading role as a Regional Emergency Center for the Metropolitan Area and has an 1339 Emergency Information Center.

Faculty

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· Jin, Young-ho, M.D. Ph.D. Professor, Critical Care Medicine, Clinical Toxicology, emjin@chonbuk.ac.kr, 250-1790

· Jung, Tae-oh, M.D. Ph.D. Associate Professor, Disaster and Environmental Medicine, Resuscitation, emmd@chonbuk.ac.kr, 250-1775

Department of Internal Medicine

Cardiology

The Cardiology division includes interventional cardiology (coronary artery disease and other arterial & venous disease), electrophysiology (radio-frequency catheter ablation, pacing and defibrillation, invasive and non-invasive monitoring), hypertension/heart failure/valvular heart disease/pulmonary hypertension, stress testing (ECG, nuclear, ultrasound, cardiac catheterization) and advanced cardiac imaging (MRI and CT scan). Cardiology faculty members are involved in a wide range of clinical and basic research.

Faculty

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 Kim, Won-ho, M.D. Ph.D.
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 Rhee, Kyoung-suk, M.D. Ph.D.
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• Endocrinology and Metabolism

The Endocrinology and Metabolism Division provides medical care and educational support for outpatients and inpatients with diverse diseases as follows: Pituitary disorder (acromegaly, prolactinoma, Cushing's disease, hypopituitarism), Thyroid disorder (hyperthyroidism, hypothyroidism, thyroiditis, thyroid neoplasm), Pancreas (diabetes mellitus, endocrine tumor), bone and parathyroid (osteoporosis, metabolic bone disorder, calcium abnormality), adrenal gland (adrenal insufficiency, Cushing's syndrome, aldosteronism, pheochromocytoma), lipid metabolism (hyperlipidemia), Metabolic syndrome and obesity, Gonad (amenorrhea, hypogonadism). As a result of recent increases in the number of patients involved in endocrinology and metabolism, medical progress in this field will have an important impact on future medicine,

Faculty

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 Park, Tae-sun, M.D. Ph.D.
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 Park, Ji-hyun, M.D. Ph.D.
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Gastroenterology and Hepatology

All the members of the Gastroenterology and Hepatology Division are not only committed to providing the best quality care to patients with a variety of disorders affecting the gastrointestinal tract, liver, pancreas and biliary systems, but also dedicated to biomedical research and education as well. Endoscopic services include endoscopic diagnosis, evaluation of tumors with endoscopic ultrasonography, and interventional management of benign and malignant gastrointestinal tract disorders such as polypectomy, endoscopic mucosal resection, endoscopic submucosal dissection, and endoscopic stenting. The Hepatology section provides comprehensive and specified services including liver transplantation and intensive care of patients with primary liver cancers and acute/chronic hepatitis and cirrhosis and acute/chronic hepatic failure. Resources of the renowned Hepatology section include the latest advances in endoscopic and radiologic equipment. With these state of the art capabilities, staff members perform minimally invasive endoscopic or radiologic procedures, including multi-detector CT, SPIO or enhanced MRI, liver biopsy, endoscopic variceal ligation, transjugular intrahepatic portosystemic shunt, and balloon-occluded retrograde transvenous obliteration. With the combination of these treatment modalities, outstanding results with minimal complications are being obtained.

Faculty

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Lee, Soo-teik, M.D. Ph.D.
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Lee, Seung-ok, M.D. Ph.D.
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Kim, Sang-wook, M.D. Ph.D.
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Kim, In-hee, M.D. Ph.D.
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Hematology/Medical Oncology

The Hematology/Medical Oncology Division provides comprehensive care for patients with acute and chronic hematologic disorders, leukemia, and solid tumors such as stomach, lung, and breast cancer. To help people overcome cancer, the division has been providing a multidisciplinary approach involving surgery or radiation and high levels of technological treatment. Its inpatient service now includes around 70 beds for hospitalization and hospice unit for the high quality care of terminal cancer patients. In addition, "day-hospital" provides the service or outpatient-based chemotherapy. Particularly, the stem cell transplantation center has specially prepared specific pathogen free facilities in order to decrease the risk of infection for immune-compromised patients. The division also provides specialty programs, including stem cell transplantation and clinical trials of new anti-cancer drugs. The division also offers post-graduate training in hematology and medical oncology to physicians who want to be board-certified in these specialties, as well as offering educational programs to patients and their families.

Faculty

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- · Kwak, Jae-yong, M.D. Ph.D. Professor, Hematology and Medical Oncology, jykwak@chonbuk.ac.kr, 250-1791
- · Song Eun-kee, M.D. Ph.D. Associate Professor, Hematology and Medical Oncology, eksong@chonbuk.ac.kr, 250-1245

• Infectious Diseases

The Infectious Diseases Division covers infectious diseases caused by various microorganisms, unidentified febrile diseases (fever of unknown origin) and AIDS patients. The science of infectious diseases is regarded to be quite important these days as multi-drug resistant bacteria become more prevalent and the number of immuno-compromised patients increase due to organ transplantation and chemotherapy. Furthermore, the occurrence of new contagious diseases such as AIDS, SARS and bird flu, as well as the reemergence of previous contagious diseases make the study of infectious diseases even more necessary in a reputable medical school. The division focuses not only on diagnosing and treating infectious diseases that occur in several parts of our body, but also treating them appropriately by closely examining causes of various fever-related diseases. In addition, this division has taken full responsibility for preventing and controlling nosocomial infections that gradually become major health issues,

Faculty

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Nephrology

The Nephrology Division has extensive programs involved with patient care, research, and education. Indeed, members of our faculty have earned many departmental and school awards for their teaching and research, and multiple awards from the Korean Society of Internal Medicine and the Korean Society

of Nephrology. Research activities in the Nephrology division range from clinical trials to bench studies. Current research areas include studies of regenerative medicine after kidney injury, endothelial cell biology, complications of chronic kidney disease, and dialysis. We have received research grants from the National Research Laboratory Program, Ministry of Science and Technology, and the Republic of Korea since September, 2004. Our renal failure program provides primary care to over 200 patients with end-stage renal disease treating them with hemodialysis or peritoneal dialysis. In addition, Chonbuk National University Hospital has an active renal transplantation program,

Faculty

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Kang, Kyung-pyo, M.D. Ph.D. Associate Professor, Nephrology, kpkang@chonbuk.ac.kr, 250-2361

• Pulmonology and Allergology

The Pulmonology and Allergology Division provides diagnostic and therapeutic modalities for various respiratory and allergic diseases. The areas of expertise include asthma and other allergic disease, chronic obstructive pulmonary disease, benign and malignant tumors of lung, interstitial lung disease, and infectious pulmonary disease including tuberculosis, occupational lung disease, pleural disease, and others. The division directs the Airway Remodeling Laboratory, which was adopted as a National Research Laboratory in March 2005, and it performs basic and internationally-recognized clinical research that will provide further understanding about mechanisms of disease and will ultimately lead to improved diagnoses and treatment. Students participate in a variety of educational programs and clinical practices. A journal meeting is held on every Tuesday and Thursday where physicians and students take counsel with radiologists, surgeons, and pathologists regarding interesting cases. On Fridays, students present and discuss patient based learning under the guidance of professors.

Faculty

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 Lee, Heung-bum, M.D. Ph.D.
 Park, Seoung-ju M.D. Ph.D.
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 Kim, So-ri, M.D. Ph.D.
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Rheumatology

The Rheumatology Division specializes in the diagnosis, treatment and research of all rheumatic diseases. The division offers consultative and continuing care for patients with regional musculoskeletal disorders such as shoulder pain, hip pain, and knee pain in addition to offering pre-operative evaluation and recommendations for patients considering joint replacement and arthritis-related reconstructive

surgeries. This is accomplished through a balance of education, research, and clinical care of patients with various rheumatic disorders. Nailfold capillary microscopy, musculoskeletal sonograhy and synovial fluid analysis with polarizing microscopy are all performed in this division. In 1997, the division was installed as a separate clinic within the hospital to provide more specialized and better medical services.

Faculty

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Department of Laboratory Medicine

The Department of Laboratory Medicine offers courses in the field of medical science, closely associated with all fields of medicine. These courses provide clinical laboratory testing for diagnosis of illness, prognosis prediction, and treatment evaluation with patient-derived specimens. The department is subdivided into six sections: Diagnostic Hematology, Clinical Microbiology, Clinical Chemistry, Clinical Immunoserology, Blood Bank, and Molecular and Cytogenetic Diagnostics. The department teaches hematopathology, clinical microbiology, and an introduction to laboratory medicine, as well as laboratory medicine teaching learned within clerkships. Laboratory Medicine faculty members emphasize the fundamentals of laboratory medicine for each section and how to use laboratory data (results) for clinical diagnoses and effective follow-up. Emphasis is placed on the principles, interpretations and pitfalls in laboratory methods. The courses are covered in various block lectures and yield one credit for teaching within the polyclinic clerkship.

Faculty

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- · Kim, Dal-sik, M.D. Ph.D. Professor, Clinical Chemistry, Molecular Diagnostics, dskim@chonbuk.ac.kr, 250-1793
- · Cho, Yong-gon, M.D. Ph.D. Associate Professor, Transfusion Medicine, Cytogenetic Diagnostics, choyg@chonbuk.ac.kr, 250-2388

Department of Nuclear Medicine

The Department of Nuclear Medicine, established as an independent department in 1993, remains one of the best-equipped nuclear medicine services in the region and certainly one of the busiest. Together, four professors, two residents, ten technicians, two nurses, and five researchers in the department annually perform over 20,000 imaging studies, 80,000 in-vitro studies as well as providing treatment of thyroid disease for 300 patients.

Faculty

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- · Lim, Seok-tae, M.D. Ph.D. Associate Professor, stlim@chonbuk.ac.kr, 250-1172
- · Jeong, Hwan-Jeong, M.D. Ph.D. Associate Professor, jayjeong@chonbuk.ac.kr, 250-1674

Department of Neurology

The Department of Neurology is dedicated to patient care, education and research. The department has four professors, one clinical professor and five residents within a number of sub-special divisions, including Cerebrovascular disease, Dementia, Peripheral nervous system disease, Movement disorders, and Degenerative Neurological diseases. Currently, we are running the development Botox clinic and the clinic for stroke patients. We are also planning to establish clinics for dementia, dizziness, epilepsy in order to effectively contribute to the improvement of neurology nation wide.

Faculty

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· Seo, Man-wook, M.D. Ph.D. Professor, Dizziness, Headache, Stroke, Involuntary movement

· Jeong, Seul-ki, M.D. Ph.D. Associate Professor, Dementia, Stroke, Epilepsy,

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Assistant Professor, Dizziness, peripheraldisease, and spinal disorders, · Oh, Sun-Young, M.D. Ph.D.

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Department of Neurosurgery

The Department of Neurosurgery treats patients with diseases of the nervous system (brain, spinal cord, and spine), brain tumors, vascular diseases (aneurysm, AVM, hypertensive intracerebral hemorrhage), spine and spinal cord disease (herniated discs, vertebral fractures, spinal cord tumors), functional disorders (Parkinson's disease, essential tremors, hemifacial spasms, trigeminal neuralgia, cerebral palsy), epileptic disorders, and head trauma which require emergency care. Our epilepsy program is particularly notable; with three video-EEG monitoring units for electrobehavioral monitoring, a high resolution MRI, and 3D-surface rendering with an MRI scanner increase the defining rate of the epileptogenic zone and success rates after surgery. Because our epilepsy surgery program is one of the leading centers in Korea, many epilepsy surgeries have been performed on patients from a number of places outside of the Jeonbuk area, with outstanding results.

Faculty

· Choi, Ha-young, M.D. Ph.D.	Professor, Brain Tumor, Epilepsy, Functional Disease, hayoungc@chonbuk.ac.kr, 250-1880
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· Koh, Eun-jeong, M.D. Ph.D.	Full-time Lecturer, Functional Neurosurgery, Brain Tumor, kohejns@chonbuk.ac.kr, 250-2476
· Lee, Jong-mung, M.D. Ph.D.	Assistant Professor, Brain tumors, traumatic femoral disease, nsimlee@chonbuk ac kr. 250-2587

Department of Obstetrics and Gynecology

The Department of Obstetrics and Gynecology has two objectives in large: while the obstetrics division aims to acquire a basic understanding of the phenomena and treatment principles of normal and abnormal pregnancies, the process of delivery, and puerperium, the clinical gynecology division aims to obtain a basic understanding of the female reproductive organs, gynecological diseases, and their diagnosis and treatment. Accordingly, students are required to learn and practice the fundamental skills of obstetric and gynecological procedures during clinical training in order to acquire the ability of primary care physicians.

Faculty

- · Oh, Byung-chan, M.D. Ph.D. Professor, Infertility and Endocrinology, bco@chonbuk.ac.kr, 250-1369
- · Cho, Sung-nam, M.D. Ph.D. Professor, Gyneocologic Oncology, sncho@chonbuk.ac.kr, 250-1370
- · Rhe, Cheul-hee, M.D. Ph.D. Professor, Infertility and Endocrinology, rheu@chonbuk.ac.kr, 250-1373
- · Kim, Kwan-sik, M.D. Ph.D. Professor, Oncology and Pelviscopic surgery, ksjm@chonbuk.ac.kr, 250-1374
- · Jeong, Young-joo, M.D. Ph.D. Professor, Obstetric Genetics, yjjeong@chonbuk.ac.kr, 250-1372
- · Kim, Jong-hyeon, M.D. Ph.D. Associate Professor, Infertility and Gynecolgic Endocrinology, hyeon69@chonbuk.ac, kr, 250-2290
- · Lee, Jeong-heon, M.D. Ph.D. Associate Professor, Maternal and Fetal Medicine, jh.lee@chonbuk.ac.kr, 250-2395

Department of Ophthalmology

The Department of Ophthalmology provides lectures during the second semester of the second year and bedside teaching during the first semester of the fourth year. The lecture is allocated two hours per week (1.5 credits). Bedside teaching is allocated one hour per week (0.5 credit).

Faculty

- · Cho, Nam-chun, M.D. Ph.D. Professor, cnauo@chonbuk.ac.kr, 250-1969
- · Ahn, Min, M.D. Ph.D. Associate Professor, ahnmin@chonbuk.ac.kr, 250-1878
- · Lee, Dong-wook, M.D. Assistant Professor, ldw@chonbuk.ac.kr, 250-2306
- · You, In-cheon, M.D. Ph.D. Associate Professor, Cornea, you2ic@paran.com, 250-2581

Department of Orthopedic Surgery

The Department of Orthopedic Surgery specializes in the prevention, diagnosis, and treatment of disorders of the musculoskeletal system. More than 20 physicians (six professors, one clinical professor, three fellows and ten residents) specialize in surgery, research and clinical consultations, treating more than 30,000 patients annually with high-quality orthopedic care.

The department was established in 1974 by Professor Byung-yun Hwang when he started teaching Orthopedic Surgery and relevant medical examination and treatment services. Since that time the department has produced 61 orthopedic specialists, some of whom work in a number of different university hospitals, while others devote their skills to the development of their community.

Faculty

Park, Myung-sik, M.D. Ph.D.
Professor, Hip, mspark@chonbuk.ac.kr, 250-1768
Lee, Jun-mo, M.D. Ph.D.
Professor, Hand & Microsurgery, junmolee@chonbuk.ac.kr, 250-1769
Song, Kyung-jin, M.D. Ph.D.
Professor, Spine, kysong@chonbuk.ac.kr, 250-1770

· Lee, Ju-hong, M.D. Ph.D. Professor, Knee, jhlee55@chonbuk.ac.kr, 250-1771

· Kim, Jung-ryul, M.D. Ph.D. Associate Professor, Pediatrics & Oncology, jrkeem@chonbuk.ac.kr, 250-1767

· Lee, Kwang-bok, M.D. Ph.D. Associate Professor, Herniated disc, lumbar stenosis, osdr2815@chonbuk.ac.kr, 250-2586

Department of Otorhinolaryngology

The Department of Otorhinolaryngology was established in 1970 with the objectives of providing excellent teaching for medical students, residents and fellows in order to provide outstanding clinical care for the residents of Jeonbuk province, model patient care, and the advancement of knowledge through scholarly activities,

Faculty

· Yoon, Yong-joo, M.D. Ph.D. Professor, Otology and EAC Cell Biology, yjyoon@chonbuk.ac.kr, 250-1988

· Kwan, Sam-hyun, M.D. Ph.D. Professor, Rhinology and Sinus Surgery, shkwon@chonbuk.ac.kr, 250-1989

· Hong, Ki-hwan, M.D. Ph.D. Professor, Head & Neck Surgery and Phonation, khhog@chonbuk.ac.kr,

250-1990

· Yang, Yun-su, M.D. Ph.D. Associate Professor, Head & Neck Surgery and Thyroid,

yang2002@chonbuk.ac.kr, 250-2289

· Lee, eun-jung, M.D. Ph.D. Assistant Professor, Otology, entejlee@chonbuk.ac.kr, 250-2686

Department of Pediatrics

The Department of Pediatrics deals with the health, growth and development of infants, children, and adolescents. Pediatricians are always concerned with the opportunity of the patients to achieve full potential as adults. The department covers Pediatric Immunology and Infectious Diseases, Neonatology, Pediatric Cardiology, Pediatric Endocrinology and Metabolism, Pediatric Gastroenterology and Nutrition, Pediatric Hematology and Oncology, Pediatric Nephrology, Pediatric neurology, Pediatric Allergy and Pulmonology, and Health Care of Adolescents. Each member of the faculty is actively engaged in either or both of the clinical and basic research areas in the field of Pediatrics, and endeavors to provide a professional medical education.

Faculty

· Lee, Dae-yeol, M.D. Ph.D. Professor, Nephrology, Endocrinology, leedy@chonbuk.ac.kr, 250-1469

· Cho, Soo-chul, M.D. Ph.D. Professor, Neonatology, chosc@chonbuk.ac.kr, 250-1470

· Joo, Chan-uhng, M.D. Ph.D. Professor, Cardiology, General Adolescent Medicine, joocu@chonbuk.ac.kr, 250-1471

· Hwang, Pyoung-han, M.D. Ph.D. Professor, Hematology, Oncology, hwaph@chonbuk.ac.kr, 250-1472

· Kim, Sun-jun, M.D. Ph.D. Professor, Neurology, Gastroenterology, Nutrition,

sunjun@chonbuk.ac.kr, 250-1799

· Jo, Dae-sun, M.D. Ph.D. Associate Professor, Infectious Diseases, Immunology, Allergy,

Pulmonology, dijo@chonbuk.ac.kr, 250-1978

Department of Plastic and Reconstructive Surgery

The Department of Plastic and Reconstructive Surgery is a specialized branch of surgery dealing with the repair of deformities and the correction of functional deficits. The department is divided into two sections: aesthetic surgery and reconstructive surgery. Aesthetic surgery includes cosmetic surgery of the eyelid and nose, facial contouring, liposuction, facelifts, and the correction of body deformities. Reconstructive surgery rebuilds physically damaged parts resulting from burns, facial fractures, congenital craniofacial anomalies, cleft lip, cleft palate, maxillofacial deformities, facial palsy, head and neck cancer, skin tumors, anomalies of the hand and foot, and trauma, with the goal of restoring patients to a normal state. Microsurgery helps restore hand function after trauma and helps restore coverage of the body surface in free flap surgery after trauma or tumor ablation. In addition, an Ultrapulse CO2 laser purchased in 1997 is used for facial resurfacing and other superficial skin lesions with good results,

Faculty

· Yang, Kyoung-moo, M.D. Ph.D. Professor, Aesthetic Surgery, Craniofacial Surgery,

maiyang@chonbuk.ac.kr, 250-1867

· Lee, Nae-ho, M.D. Ph.D. Professor, Hand and Micro Surgery, Aesthetic Surgery,

leenaeho@chonbuk.ac.kr, 250-1739

· Roh, Si-gyun, M.D. Assistant Professor, Head and Neck Reconstruction, skin cancersurgery,

pssroh@chonbuk.ac.kr, 250-1374

Department of Psychiatry

The Department of Psychiatry consists of outpatient clinics (adult, geriatric, and child-adolescent psychiatry, etc.), two inpatient wards (1 open and 1 closed), special clinics (a stress biofeedback clinic, a depressive & bipolar disorders clinic, an early psychosis clinic, a Youth clinic, a child-adolescent clinic and a sleep disorders clinic), clinical psychology section, various labs for psychological testing, computerized neuropsychological test, biofeedback, polysomnography & sleep evaluation, and various psychosocial programs for psychiatric patients. The important objectives of psychiatry are to teach and train medical students to become competent primary physicians and psychiatric residents, and to provide clinically good-quality services for psychiatric patients suffering from mood disorders, psychotic disorders, anxiety disorders, somatoform disorders, substance use disorders, personality disorders, mental disorders in child & adolescence, sleep disorders, eating disorders, sexual disorders and organic mental disorders etc.

Faculty

· Jung, Ae-ja, Ph.D. Clinical Psychologist, Professor, Clinical Psychology, jungaeja@chonbuk.ac.kr, 250-1399

· Chung, Sang-keun, M.D. Ph.D. Professor, Mood disorder, Geriatric Psychiatry, Psychopharmacology,

Sleep Medicine, skchung@chonbuk.ac.kr, 250-1398

· Chung, Young-chul, M.D. Ph.D. Professor, Youth Mental Disorders, Psychopharmacology, Cognitive-

Behavioral Therapy, chungyc@chonbuk.ac.kr, 250-2185

· Park, Tae-won, M.D. Ph.D. Associate Professor, Child and Adolescent Psychiatry,

ptaewon@chonbuk.ac.kr, 250-2028

· Yang, Jong-chul, M.D. Ph.D. Assistant Professor, Psychoanalysis, unstable, yangic@chonbuk.ac.kr,

250-2580

Department of Radiation Oncology

The Department of Radiation Oncology makes every effort to increase the cancer cure rate and to improve the quality of life through basic oncological and clinical research. Recently, Intensity Modified Radiation Therapy or Imaging Guided Radiation Therapy has been introduced so that optimal treatment volumes can be selected and irradiated in order that normal tissue or organs around tumors are protected. Education is provided through lectures and clinical and practical courses for medical students, radiotherapy technologists, medical physicists, and clinical fellows.

Faculty

· Kwon, Hyoung-cheol, M.D. Ph.D. Professor, Head & Neck Tumor, Chest Tumor, CNS Tumor, Integrative Medicine, hckwon@chonbuk.ac.kr, 250-1195

· Kim, Jeong-soo, M.D. Ph.D. Professor, Breast Tumor, Gynecological Tumor, Digestive and Urological Tumor, jskim@chonbuk.ac.kr, 250-1196

Department of Rehabilitation Medicine

The Department of Rehabilitation Medicine analyzes and treats not only physically disabled people but also patients suffering from musculoskeletal pain with the main objective of developing their physical, mental, and social potential to their maximum abilities and creating opportunities for them to enjoy their lives fully. The department is energetically carrying out specialized rehabilitation services encompassing diverse fields such as strokes, spinal cord injuries, traumatic brain injuries, musculoskeletal and neural pain, electro diagnostic medicine, orthosis and prosthesis, delayed development, swallowing difficulties, lymph edema, biomechanics and kinetics, etc. Current research focuses on the rehabilitation of cognitive function, spinal cord injury, neuro-musculo-skeletal pain, electrodiagnostic medicine, urodynamic study devices, etc. Furthermore, our service is supported by many paramedical personnel and specialized settings: a rehabilitation exercise gymnasium, a computerized cognitive function training room, a physical modality room, Bobath and Vojta therapy rooms, a lymphedema room, an occupational therapy room, a speech therapy room, an isokinetic exercise room, a hydrotherapy room, etc.

Faculty

· Seo, Jeong-hwan, M.D. Ph.D. Professor, vivaseo@chonbuk.ac.kr, 250-1797

- · Ko, Myoung-hwan, M.D. Ph.D. Associate Professor, mhko@chonbuk.ac.kr, 250-1795
- · Park, Sung-hee, M.D. Ph.D. Assistant Professor, shpark0130@chonbuk.ac.kr, 250-2299

Department of Surgery

The Department of Surgery is dedicated to patient care, education and research. The surgical team is staffed with ten professors, two fellows, sixteen residents within four divisions with include Gastrointestinal Surgery, Hepatobiliary-Pancreatic and Transplantation Surgery, Breast and Endocrine Surgery and Pediatric Surgery. The surgeons perform a wide variety of operations including gastric cancer, colo-rectal cancer, hepatoma, breast cancer, thyroid cancer, abdominal organ transplant, trauma, vascular procedure. The departmental mission is to provide operations for patients with minimal pain, trauma, scarring and recovery time. We also offer unparalleled educational opportunities to medical students, residents and fellows.

Faculty

· Cho, Baik-hwan, M.D. Ph.D.	Professor, Hepatobiliary-Pancreas and Transplantation Surgery, chobh@chonbuk.ac.kr, 250-1579
· Kim, Jong-hun, M.D. Ph.D.	Professor, Colo-rectum, Anus, Small Bowel, kimjhun@chonbuk.ac.kr, 250-1581
· Yang, Doo-hyun, M.D. Ph.D.	Professor, Esophagus, Stomach, Duodenum, ydh@chonbuk.ac.kr, 250-1582
· Jung, Sung-hoo, M.D. Ph.D.	Professor, Breast, Endocrine Surgery, shjung@chonbuk.ac.kr, 250-2133
· Yu, Hee-chul, M.D. Ph.D.	Professor, Hepatobiliary-Pancreas and Transplantation Surgery, hcyu@chonbuk.ac.kr, 250-1576
· Jeong, Yeon-jun, M.D. Ph.D.	Associate Professor, Pediatric Surgery, surgeon@chonbuk.ac.kr, 250-1977
· Kim, Chan-young, M.D. Ph.D.	Associate Professor, Esophagus, Stomach, Duodenum, happyhill@chonbuk.ac.kr, 250-2298
· Lee, Min-ro, M.D. Ph.D.	Assistant Professor, Small Bowel, Colo-rectum, Anus, gsminro@chonbuk.ac.kr, 250-2150
· Youn, Hyun-jo, M.D. Ph.D.	Associate Professor, Breast, Endocrine Surgery, yhj0903@chonbuk.ac.kr,

Department of Thoracic and Cardiovascular Surgery

250-2389

The Department of Thoracic and Cardiovascular Surgery is actively involved in providing professional education, research, and medical care. The department focuses on a specialized area of surgery dealing with respiratory (lung cancer, infectious, congenital diseases), cardiac (congenital, valvular, coronary diseases), vascular (aortic aneurysm, dissection), esophageal, chest wall (congenital, tumor, traumatic), diaphragmatic, and mediastinal system diseases.

Faculty

· Kuh, Ja-hong, M.D. Ph.D. Professor, Thoracic and Cardiovascular disease, jhkuh@chonbuk.ac.kr, 250-1488

· Kim, Min-ho, M.D. Ph.D.	Professor, Thoracic and Cardiovascular disease, mhkim@chonbuk.ac.kr, 250-1489
· Choi, Jong-bum, M.D. Ph.D.	Professor, Thoracic and Cardiovascular disease, jobchoi@chonbuk.ac.kr,

250-1486

Department of Urology

The Department of Urology, on the cutting edge of ever-changing advanced medical technology, exerts every effort to provide the best medical services possible while considering accurate diagnosis and therapy and the quality of life for patients upon completion of medical therapy. The department specializes in using various minimally invasive surgeries, up-to-date operating methods and advanced operating technologies for using laparoscopic and cryosurgical systems. Each of our surgeons is board-certified in urology and has subspecialty training in specific areas, such as kidney disease, prostate disease, bladder control or infertility. This sub-specialization enables our physicians to develop innovative procedures and to gain valuable experience that translates into positive results for our patients.

Faculty

· Kim, Young-gon, M.D. Ph.D.	Professor, Pediatric Urology, Urinary Stone, ygkim@chonbuk.ac.kr, 250-1567
· Kim, Hyung-jin, M.D. Ph.D.	Professor, Genitourinary Oncology, Urinary Tract Injury, hjkim@chonbuk.ac.kr, 250-1568
· Park, Jong-kwan, M.D. Ph.D.	Professor, Male Sexual Dysfunction Infertility, Prostate Disease, rain@chonbuk.ac.kr, 250-1510
· Jeong, Young-beom, M.D. Ph.D.	Associate Professor, Genitourinary Oncology, Voiding Dysfunction, ybjeong@chonbuk.ac.kr, 250-1911
· Kim, Myung-ki, M.D. Ph.D.	Assistant Professor, Femaleurology, mkkim@chonbuk.ac.kr, 250-2574

GRADUATE SCHOOL OF FLEXIBLE AND PRINTABLE ELECTRONICS

The Graduate School of Flexible and Printable Electronics was established at Chonbuk National University, Jeonju in 2011. It is the first professional graduate school solely devoted to flexible and printable electronics, officially approved by the Korean Ministry of Education, Science and Technology (MEST). Currently, 30 graduate students (17 more to come) and 7 faculties (and 11 adjunct professors) are involved. More than 80% of our students receive full scholarships.

• Curriculum

Introduction to Printed Electronics 1
Introduction to Printed Electronics 2

Introduction to Printed Electronics 3

Introduction to Printed Electronics 4

Materials for Printed Electronics 1

Materials for Printed Electronics 2

Materials for Printed Electronics 3

Materials for Printed Electronics 4

Processing Techniques in Printed Electronics 1

Processing Techniques in Printed Electronics 2

Processing Techniques in Printed Electronics 3

Processing Techniques in Printed Electronics 4

Applications of Printed Electronics 1

Applications of Printed Electronics 2

Applications of Printed Electronics 3

Applications of Printed Electronics 4

Advanced Nano Materials 1

Advanced Nano Materials 2

Basic Electronic Circuits 1

Basic Electronic Circuits 2

Basic Electronic Circuits 3

Basic Electronic Circuits 4

Special Topics in Printed Electronics 1

Special Topics in Printed El onics 2

Internship in Printed Electronics 3

Internship in Printed Electronics 4

Advanced Instrumental Analysis 1

Advanced Instrumental Analysis 2

GRADUATE STUDIES SPECIAL GRADUATE SCHOOL

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

The Graduate School of Business Administration offers courses for research and study in fields of Business Administration, Economics, Trade, and Accounting. Courses are offered and grouped in two categories. The first one is for education and training, while the second one leads to Master's degree programs,

Department of Accounting

• Financial Accounting Major

Principles of Accounting
Topics in Financial Accounting 1
Topics in Financial Accounting 2
Topics in Cost Accounting
Topics in Tax Accounting
Financial Statement Analysis
Seminar in Financial Accounting

Topics in Auditing

Accounting Research Methodology

Accounting Institution
Topics in Accounting Policy

Government & Non-Profit Organization Accounting

Case Studies in Auditing

Topics in Environmental Accounting Studies in Accounting History Studies in Capital Market Accounting

• Taxation and Managerial Accounting Major

Principles of Accounting
Topics in Financial Accounting 1
Topics in Financial Accounting 2
Topics in Cost Accounting
Topics in Tax Accounting
Seminar in Tax Accounting

Tax Policy Local Tax Topics in Tax Law Tax Planning

Cost Management Strategy

Advanced Management Accounting Seminar in Management Accounting

Accounting Decisions

Accounting Information System

Department of Business Administration

• Financial Management Major

The Understanding of Business Administration

Financial Management Seminar

Management Information System Seminar

Organizational Behavior Seminar

Marketing Seminar

Financial Research Seminar

International Financial Management Seminar

Financial Statistics Seminar Capital Market Seminar Financial Analysis Seminar Financial Policy Seminar

Insurance Management Seminar Risk Management Seminar

Investment Seminar

Financial Institution Seminar Corporate Credit Analysis Seminar Corporate Governance Seminar

• Human Resource & Organization Major

The Understanding of Business Administration

Financial Management Seminar

Management Information System Seminar

Behavioral Research Methodology Seminar

Marketing Seminar

Industrial Relations Seminar

Leadership Seminar

Compensation Management Seminar Human Resource Management Seminar Human Resource Development Seminar Comparative Industrial Relations Seminar

Performance Appraisal Seminar

Organization Development Innovation Seminar

Organization Structure Seminar Knowledge Management Seminar Ethics Management Seminar

Action Learning Seminar

• Marketing Major

The Understanding of Business Administration

Financial Management Seminar

Management Information System Seminar

Organizational Behavior Seminar

Marketing Seminar

Consumer Behavior Seminar Marketing Research Seminar Marketing Channel Seminar Service Marketing Seminar Cyber-Marketing Seminar Promotion Seminar

New Product Marketing Seminar International Marketing Seminar Brand Marketing Seminar Marketing Strategy Seminar Price Management Seminar Culture & Consumption Seminar

• Production & Business Administration Information Major

The Understanding of Business Administration

Seminar on Financial Management

Seminar on Management Information System

Seminar on Organizational Behavior

Seminar on Marketing

Seminar on Business Statistics Seminar on Decision Analysis Seminar on Quality Management

Seminar on Technology Commercialization

Seminar on Management Strategy

Seminar on Logistics and Supply Chain Management

Seminar on E-Commerce

Seminar on Management of Technology Seminar on Innovation Management

Seminar on Production & Operation Management

Seminar on Knowledge Management Seminar on Service Operations Management

Department of Industrial Economics

• Monetary & Insurance Major

Topics in Macroeconomics

Topics in Monetary Economics

Topics in Financial Market

Topics in Monetary Policy

Topics in Microeconomics

Special Treatise on Insurance

Topics in Insurance Economics

Topics in Insurance Financial History

Topics in Financial Economics

Topics in Financial Policy

Topics in Information Economics

Topics in Methodology of Research and Analysis

Topics in Derivative Securities Introduction to Economics

• Regional Economics Policy Major

Topics in Macroeconomics
Topics in Public Choice

Topics in Transportation Economics Topics in Personnel Economics Topics in Urban Economics

Topics in Culture & Tour Economics

Topics in Microeconomics
Topics in Law Economics
Topics in Health Economics

Topics in Methodology of Research Analysis

Topics in Local Public Finance Topics in Regional Economics

Topics in Development of Regional Society

Topics in Korean Economy

Topics in Environmental and Resource Economics

Introduction to Economics

Department of International Trade

• Foreign Exchange & International Monetary Major

Seminar on International Monetary Economics Seminar on International Trade Theory Seminar on International Trade Policy Seminar on International Economic Integration Seminar on International Financial Market

Seminar on Korean Trade

Seminar on International Finance

Seminar on Theory of Foreign Exchange Seminar on Multinational Corporation Seminar on International Investment Seminar on Information Industry Seminar on Financial Innovation

Seminar on International Technology Transfer

Topics of FDI in China

• International Trade Business Administration Major

Seminar on Foreign Trade Administration
Seminar on International Marketing

Seminar on International Commercial Contract Seminar on International Transportation Seminar on Overseas Marketing Research

Seminar on World Trade Law

Seminar on International Commercial Arbitration

Seminar on Electronic Trade Seminar on International Logistics Seminar on Marine Insurance Seminar on National Trade Law

Seminar on International Business English Seminar on International Trade Payments

Seminar on Case Studies of International Corporation Seminar on Law of International Commercial Transaction Seminar on the International Business Strategies

GRADUATE SCHOOL OF EDUCATION

The mandate of the Graduate School of Education is to train highly qualified educators to become professionally skillful in research productivity and to practice the theories of education.

General Courses

Sociological Foundation of Education

Psychological Foundation of Education

Philosophical Foundation of Humanistic Education

Educational Measurements & Evaluation
Theories & Practices of Guidance & Counseling

Educational Research & Thesis Writing Theories & Practices of Educational

Administration

Theories & Practices of Educational Administration

Computer Applications in Education

Issues in Special Education Introduction to Education

Understanding of Exceptional Children Practices of Teaching Profession

• Adolescent Education & Guidance Major

Youth Problems and Care

Theories of Youth Education Systems of Youth Development

Youth Culture

Research Methods of the Youth

Youth Psychology and Counseling

Adolescent Welfare

Leadership Methods for the Youth

Development & Evaluation of Youth Programs

Youth Activities

Youth Career Guidance

Group Counseling for the Youth

Biology Education Major

Logics & Statements for Science Education

Advanced Entomology Advanced Animal Taxonomy Seminar in Cell Physiology Advanced Animal Physiology Advanced Molecular Genetics

Research Methodology in Biology Education

Advanced Ecology Advanced Biochemistry Advanced Cell Biology Advanced Plant Taxonomy Advanced Plant Physiology

Advanced Plant Morphology Advanced Plant Embryology Advanced Inquiry Teaching Environment & Education

Studies in Thesis

Theory of Biology Education Animal Taxonomy & Lab Biochemistry & Lab Cell Biology

Plant Taxonomy

Chemistry Education Major

Selected Topics in Advanced Instrumental Analysis

Advanced Inorganic Chemistry Seminar

Selected Topics in Advanced Inorganic Chemistry

Advanced Physical Chemistry Seminar

Selected Topics in Advanced Physical Chemistry

Advanced Analytical Chemistry Seminar

Selected Topics in Surface Chemistry Seminar in Chemistry Education

Research and Development of Chemistry Teaching Materials

Selected Topics in Chemical Reaction Kinetics

Studies in Thesis

Advanced Organic Chemistry Seminar Selected Topics in Advanced Organic Chemistry

Selected Topics in Solid Chemistry Selected Topics in Nanochemistry

Selected Topics in Physical Organic Chemistry Selected Topics in Physical Chemistry Education Physical Chemistry 1
Physical Chemistry 2
Physical Chemistry & Lab
Organic Chemistry 1
Organic Chemistry 2
Organic Chemistry & Lab
Analytical Chemistry
Analytical Chemistry & Lab
Inorganic Chemistry
Inorganic Chemistry & Lab

Chemical Education

• Chinese Language & Literature Education Major

Studies in Chinese Teaching Methodology St

Advanced Chinese Reading and Composition

Introduction of Chinese Linguistics

Introduction of Ancient Chinese Literature

Introduction of Contemporary Chinese Literature

Method of Studying in Chinese Teaching

Teaching Methodology of Logic and Writing for Chinese

Chinese Grammar and Composition Analysis of Listening Chinese News Studies in Chinese Vocabulary Studies in Chinese Interpretation

Studies in Chinese Novel and Chinese Drama

Studies in Chinese Character

Topics in Chinese Culture and Chinese Art Topics in Contemporary Chinese Literature

Studies in Chinese Textbooks and Teaching Methodology

Teaching Advanced Chinese for HSK Deepening Coaching of Thesis Study

Studies in Thesis

• Computer Science Education Major

Advanced Theory of Computer Architecture

Instructional Theory of Operating System

Instructional Theory of Database

Instructional Theory of Information Processing

Instructional Theory of Computer Aided Instruction

Theory of Artificial Intelligence

Seminar in Computer Teaching Materials

Advanced Software Engineering

Advanced Computer Software Network

Advanced Computer Algorithm

Instructional Theory of Programming Language

Instructional Theory of Multimedia Advanced Numerical Analysis

Advanced Image Processing Studies in Computer Education

Studies in Computer Logic and Discourse

• Early Childhood Education Major

Studies on Curriculum of Early Childhood Education

Seminar in Art Education for Early Childhood

Seminar in Play Theory & Therapy

Advanced Theories of Early Childhood Development

Techniques for Infants

Advanced Studies on Parent-Child Relationships

Psychological Measurement & Infantile Intelligence

Education Statistics & Infantile Studies

Field Experience in Early Childhood Education

Advanced Theories of Early Childhood Education

Seminar in Parenting Education

Seminar in Management for Early Childhood Education Educational Program for Infant's Emotional Development Advanced Instructional Theory of Early Childhood Education Advanced Logical Thinking and Essay Writing in Early

Childhood Education

• Earth Science Education Major

Seminar in Advanced Solid Earth Science

Seminar in Advanced Atmospheric Science

Seminar in Advanced Geophysics Seminar in Advanced Astronomy

Seminar in Advanced Ocean Science

Advanced Environmental Earth Science & Practices

Advanced Solid Earth Material Science Advanced Atmospheric Science

Advanced Atmospheric Environmental Science Coastal Ocean Science and Field Practice

Teaching-Learning Method & Field Study in Earth Science

Research & Development of Earth Science Teaching Materials

Thesis Research 1 in Earth Science Thesis Research 2 in Earth Science

Stellar Atmosphere

Special Topics in Contemporary Astronomy

Studies in Thesis

Solid Earth Science & Inquiry Lab Atmospheric Earth Science & Inquiry Lab Ocean Earth Science & Inquiry Lab Introductory Astronomy & Practice 1

• Educational Administration Major

Theories of School Management

Theories of Educational Administration Theory of Educational Leadership Studies in Educational Administration Organization Theories in Education

Theory of Supervision

Theory of Educational Planning Theory of Educational Finance **Economics of Education**

Personal Administration in Education Theory of Educational Policy Theory of School Systems

Educational Laws & Administration

Education Reform
Politics of Education
Education & Labor Market

• Educational Curriculum & Technology Major

Advanced Educational Technology

Advanced Educational Research Advanced Curriculum Theory

Advanced Statistics for Education

Advanced Psychology Measurement & Evaluation Preparation & Development of Curriculum Materials Advanced Instructional Psychology

Advanced Instructional Design Learning Theory & Instruction

Web-based Instruction

Designing Developing and Utilizing Educational Multimedia

Software

Advanced Instructional Theory of Education

Educational Psychology Major

Theories & Tasks of Human Development

Advanced Learning Psychology
Advanced Creativity Education
Advanced Personality Psychology
Tasks in Educational Psychology

Advanced Counseling Education

Advanced Counseling Psychology Advanced Cognitive Psychology Advanced Intelligence and Education Advanced Psychological Testing Advanced Motivation and Learning Advanced Cognition and Instruction Advanced Gifted Education

Advanced Emotion and Education

Advanced Logical Thinking and Essay Writing in Education

• English Language Education Major

Theory of Linguistics

English Syntactic Theory

Theory of Literature Studies in English Teaching Materials

Theory of Language Acquisition

Seminar in Modern English & American Literature

Topics in English Phonetics & Phonology Topics in British & American Literature

Topics in English Linguistics

Theory of English Teaching Methodology

Trends in English Literature

Spoken English

Theory of Multimedia Teaching Methodology
Topics in English Pedagogical Grammar
Methodology of Teaching English Semantics
Topics in Instructional Theories of English Language

Topics in Teaching English Composition

• Ethics Education Major

Topics in North Korea

Seminar on Reunification

Topics in Chinese Thought

Topics in Korean Confucianism

Topics in Modern Chinese History

Topics in Korean Communism

Studies in Korean Ancient & Medieval Thoughts

Studies in Korean Modern Thoughts

Topics in International Politics

Topics in Modern Political Thoughts

Topics in Korean Politics

Topics in Modern Political Theory

Topics in History of Western Philosophy

Topics in Ethics

Topics in Ethics Education

Studies in Teaching Materials and Methods of Ethics

Studies in Ethics and Logic

• Fine Arts Education Major

Studies in History of Korean Art

Studies in History of Oriental Art

Studies in History of Western Art

Advanced Theories in Plasticity Study 1

Advanced Theories in Plasticity Study 2

Advanced Theories in Plasticity Study 3

Advanced Theories in Plasticity Study 4 Studies in Art Education & Teaching Materials

Topics in Art Education

• Geography Education Major

Topics in Geomorphology

Topics in Urban Geography

Topics in Cultural Geography

Topics in Social Geography

Topics in Geography Education

Studies in Landform Development

Seminar in Economic Geography

Research & Development of Geography Teaching Materials

Topics in History & Philosophy of Geography

Methodology in Geography

Methodology in Geography Teaching

Seminar in Regional Study

Topics in Essay Writing of Geography Education

• German Language Education Major

Topics in Diachronic Linguistics

Topics in History of German Language

Studies in German Teaching Materials

Topics in German Poetry

Topics in German Novels

Topics in German Drama

Topics in German Literary Criticism

Topics in German Literature

Studies in German Literature Science

Multimedia and German Teaching Methodology

Instructional Theories of Practical German Grammar

Topics in Contemporary German Linguistics

Topics in Current German Literature

Studies in German Education

Studies in German Composition

• Gifted & Talented Education Major

Counseling for Gifted Students

Selection & Identification of Gifted Students

Teaching Method for Gifted Students

Current Issues in Science Gifted Education

Science Teaching Materials for Gifted Students

Design & Development of Science Experiments

in Gifted Education I

Design & Development of Science Experiments

in Gifted Education II

Seminar in Science Gifted Education

Problem Solving in Mathematics Education for the Gifted

Current Issues in Mathematics Education for the Gifted Practical Studies in Mathematics Gifted Education

Programming for IT-Giftedness

Introduction to Mathematics Education for the Gifted Education for the Gifted using Mathematics Educational

Technology

Advanced Instructional Theories of Gifted

Education

Advanced Principles and Essay for Gifted

Education

• History Education Major

Topics in Theories of History Education

Topics in Introduction to History

Topics in Ancient & Medieval History of Asia

Topics in Modern History of Asia

Topics in Contemporary History of Korea

Topics in History of Korea

Topics in Essay Writing of History Education

Topics in Asian History
Topics in Western History

Topics in Political History of Korea Topics in Social History of Korea

Topics in Socio-Economic History of Europe Topics in History of Revolution Era in Europe

Topics in History of Western Thoughts

Principles of History Teaching

Instructional Theories of Asian History Instructional Theories of Korean History Teaching Materials in History Education

Japanese Language Education Major

Teaching Method of Japanese Conversation

Studies in Japanese Teaching Methodology

Studies in Japanese Grammar

Educational Methods in Japanese Prose

Educational Methods of Japanese Poetic Literature

Studies in Japanese Education

Educational Theories of Japanese Lexicology

Japanese Education and Multimedia
Educational Theories of Japanese Writing

Educational Methods in Japanese Composition
Educational Methods in Japanese Culture
Educational Methods in Japanese Translation
Educational Theories of Japanese Poetry
Teaching Methods of Korean-Japanese Literature
Advanced Educational Theories of Japanese

Advanced Educational Theories of Japanese Logic and

Statement

Korean Language Education Major

Topics in Korean Education

Topics in Theory of Literature

Studies in Modern Korean Novel Education

Studies in Modern Korean Poetry Education

Studies in Teaching Materials of Classical Korean Literature

Studies in Classical Korean Prose Education

Studies in Classical Korean Poetry Education

Studies in Korean Linguistics

Teaching Methodology of Korean Literature

Studies in Teaching Methods of Korean Language & Literature

Seminar in School Grammar

Topics in Korean Semantics

Studies in Speech Communication

Reading Modern Literary Materials

Studies in Reading Methodology

Studies in Media Language Methodology

Practice in Teaching Korean Composition

• Library and Information Science Education Major

Foundation of Lifelong Education

Theories & Application of Lifelong Education Management

Studies in Lifelong Education Methods

Theories & Practice of Lifelong Education Development

Practicum in Lifelong Education

Theories for Utilizing Educational Culture Contents

Studies in Lifelong Education History

Theories of Human Resource Development Studies in Lifelong Learning Life History Seminar in Citizenship Education Seminar in Women's Education Theories of Youth Education Seminar in Adult Learning counseling

Foundation of Literacy Education Seminar in Community Education

Studies in Gerontology

• Lifelong Education Major

Classification Instruction Advanced Information Media

Catalog of Information Resources

Information Instruction

Topics in Korean Bibliography

Studies in Reference Sources

Studies in Information Retrieval Topics in Indexing & Abstracting

Studies in Analysis of Information System

Studies in Collection Management

School Library Media Center Management

Topics in Guidance of Reading

Instruction in Knowledge Information Society

Digital Library

Information User Study Seminar in Bibliotherapy

• Mathematics Education Major

Theory of Algebra Education

Theory of Analysis Education
Theory of Topology Education

Probability and Statistics for Mathematics Teaching

Abstract Algebra
Topics in Topology

Ring Theory

Homological Algebra

Functional Analysis

Topics in Mathematical Statistics

Theory of Category Homotopy Theory

Contractory mices

Studies in Mathematics Teaching Materials Technology in Mathematics Education

Topics in Geometry

Topics on Theory of Mathematics Education

Essay Writing on Critical Issues in Mathematics Education

Music Education Major

Topics in History of Western Music

Theory of Advanced Music

Individual Instruction of Composition

Piano & Practice

Appreciation of Western Music Analysis of Western Music Theory of Korean Traditional Individual Instruction of Piano

Individual Instruction of Voice

Individual Instruction of Instrument

Instruction Theory of Musical Instrument Digital Interface

Study of Music Therapy Theory of Screen Music

Studies in Music Teaching Materials

Theory of Music Education
Theory of Music Education Logic

• Nutritional Education Major

Understanding in Foods for Health

Case Studies in Food Service Management

Hygiene in Hygienic Management and HACCP

Advanced Food Science

Advanced Nutritional Education and Counselling

Seminar in Nutritional Education

Advanced Institutional Food Service Management

Statistics in Public Health and Computer Practice

Weight Control and Nutrition Advanced Nutrition in Life Cycle Advanced Nutrition and Diet Therapy

Advanced Food Processing Advanced Food Hygiene

Research in Nutritional Education Advanced Nutritional Assessment

Advanced Nutrition
Advanced Clinical Nutrition

Advanced Food Preparation and Practice Advanced in Community Nutrition Current Topics in Nutrition

• Physical Education Major

Advanced Logic & Essay of Physical Education Advanced Training Method of Physical Education Advanced Sociology of Physical Education

Advanced Physiology of Exercise

Advanced Health Education

Advanced Philosophy of Physical Education

Advanced Sport Pedagogy Dissertation Research

• Physics Education Major

Graduate Classical Mechanics 1 Graduate Classical Mechanics 2 Graduate Electromagnetism 1 Graduate Electromagnetism 2 Graduate Solid State Physics 1

Graduate Optics 1

Graduate Mathematical Physics

Special Topics in Advanced Physics Studies 1

Graduate Quantum Mechanics 1 Graduate Quantum Mechanics 2 Graduate Particle Physics 1 Graduate Nuclear Physics 1 Graduate Statistical Physics 1 Graduate Modern Physics Graduate Computational Physics Seminar in Advanced Physics

• Spanish Language Education Major

Studies in Spanish Teaching Methodology Studies in Spanish Teaching Materials Studies in Spanish Teaching Methodology

Studies in Spanish Grammar Topics in Spanish Linguistics Spanish Conversation

Studies in Spanish Classic Literature Topics in Spanish Contemporary Literature

Trends in Spanish & Latin American Literature

Teaching Methodology of Spanish Literature
Criticism of Modem Latin American Novels
History and Criticism of Latin American Novels
Educational Methods in Spanish Reading
Studies in Spanish Language Education
Advanced Instructional theories of Spanish

Advanced Teaching Logic in Essay Writing in Spanish

Social Studies Education Major

Topics in Instructional Theories of Social Studies

Topics in Logical Thinking and Essay Writing of Social Science

Education

Topics in Political Thought
Topics in Public Law
Topics in Political Economy
Topics in Sociological Theory

Studies in Modern Society and Culture

Topics in Constitutional Law

Topics in Economic Theory Topics in Korean Politics Topics in Democracy Topics in Korean Economy Topics in Criminal Law

Topics in Korean Society

Topics in Socio-Economic History

Dissertation Research

Studies in Social Studies Education

GRADUATE SCHOOL OF ENVIRONMENT

All the courses in the Graduate School of Environment are designed to deal with specific aspects of environmental issues, and to provide students with advanced knowledge of engineering practices in environmental studies.

Department of Architecture Environment

Advanced Urban Planning

Design of Water Supply & Sewage Works Advanced Hydrologic Meteorology

Advanced Management of Water Resource Unit Operations in Water Treatment & Lab.

Advanced Water Treatment

Design of Water & Wastewater Treatment

Marine Environmental Design

Design of Environmental Structures

Advanced Environmental Impact Assessment

Remote Sensing of Environment Advanced Environmental Hygiene

Advanced Environmental Information Systems
Advanced Environmental Strata Controls
Water Supply & Wastewater Engineering
Introduction to Environmental Engineering

Department of Environmental Engineering

• Environmental Engineering Major

Environmental Chemistry
Environmental Engineering

Water Pollution Air Pollution

Environmental Ecology

Environmental Microbiology

Soil Pollution

Advanced Noise and Vibration Control Advanced Wastewater Treatment

Waste Management

Environmental Impact Assessment

Advanced Air Pollution Control Engineering

Water Supply & Sewer System

Micro Hazardous Matter Management

Department of Environmental Planning

• Architectural Design Major

Advanced Architectural Planning

History of Architectural Theory

Architectural Design

Seminar in Architectural Design Advanced Study in Built Environment Community Development & Design

Advanced Urban Planning
Advanced Study in Urban Design

Accoustics

Theories & Methods in Housing Design

Colors in Environmental Design

Theories & Methods in Environment Design Advanced Environmental Impact Assessment

Environmental Graphic Design Design Theory of Architecture Theory of Modern Architecture

• Environmental Landscape Architecture Major

Theory of Traditional Landscape Architecture

Cultural History of Western Landscape Architecture

Advanced Planting Design

Ecological Revegetation Engineering

Theory of Korean Landscape

Theory of Human Ecological Landscape Planning

Theories of Eco tourism & Forest Recreation

Advanced Natural Environment Conservation

Advanced Landscape Construction & Management

Advanced Ecological Landscape Design

Advanced Environmental Design Related Laws and

Regulations

Advanced Landscape Planning

Environmental Psychology

Theory of Topography Design

Theory of Landscape Planning

Theory of Planting Material

Introduction to Landscape Architecture

Planning of Park & Open Space

• Urban & Real Estate Major

Advanced Architectural Planning Urban Transportation Planning

Theory of National & Regional Planning

Site Planning

History of City Planning

Advanced Urban Planning

New Town Planning

Urban Design & Theory

Theory of Land Use Planning

Environmental Planning

Advanced Environmental Engineering

Environmental Impact Assessment

Urban Planning Laws

Urban & Real Estate Law

Real Estate Development Theses

Theory of Selection of Location

Department of Korean-Traditional House

• Korea-Traditional House Major

Korean-Traditional House Basic Design

Korean-Traditional House Design 1

Korean-Traditional House Design 2

Korean-Traditional House Digital Design

Korean-Traditional House Trimming Timber Practices

Korean-Traditional Housing Timber Materials Processing

Practices

Korean-Traditional House Construction Work Practices 1

Korean-Traditional House Construction Work Practices 2

Advanced Korean-Traditional House Planning & Theory

Korean-Traditional House Layout Planning

Korean-Traditional House Environment & Equipment System

Korean-Traditional House Materials and Estimation

Korean-Traditional House Landscape

Korean-Traditional House Timber Processing Technology

History of Oriental Architecture

Korean-Traditional House Planning & Theory

GRADUATE SCHOOL OF INDUSTRIAL TECHNOLOGY

The Graduate School of Industrial Technology was established to provide students with the opportunity to study theories of highly advanced industrial technology and to be able to apply those theories in everyday work related environments,

Department of Industry Technology

Chemical Engineering and Technology Major

Industrial Polymer Chemistry
Advanced Industrial Instrumental Analysis

Industrial Inorganic Chemistry

Mass Transfer

Advanced Chemical Reaction Engineering

Advanced Separation Process Biochemical Engineering Industrial Petroleum Chemistry Heat Transfer Momentum Transfer

Advanced Catalytic Engineering

Advanced Chemical Engineering Thermodynamics

Topics in Chemical Engineering Materials Introduction to Industrial Chemistry Introduction to Chemical Engineering

Civil Engineering Major

Advanced Harbour Engineering
Advanced Coastal Engineering
Advanced Structural Analysis
Advanced Concrete Engineering
Advanced Civil Materials

Advanced Water Supply & Wastewater Engineering

Advanced Hydrology

Advanced Soil Engineering Soil Engineering Seminar Advanced Surveying Advanced Photogrammetry Advanced Civil Engineering

Structural Design Applied Hydraulics

Water Resources Engineering Seminar

• Construction Engineering Major

Building Works Management Advanced Structural Design Advanced Structural Analysis

Advanced Architecture Foundation Analysis & Design

Topics in Structure of Reinforced Concrete

Advanced Field Works Advanced Building Materials Architectural Acoustic Engineering

Advanced Steel Structure

Seminar in Special Building Construction

Advanced Building Equipment

Plastics Concrete

Special Concrete Engineering Architecture Structural Analysis

Building Works

Architectural Research Method Architectural Psycho-Acoustics

• Industrial Engineering Major

Industrial Economics
Advanced Computing Theory

Advanced Topics in Production Management

Advanced Operations Research

Advanced Statistics Quality Control Decision Making

Industrial Management Information System

Flexible Automation Expert Production System Industrial Organization

Advanced Topics in Industrial Engineering

Industrial Engineering

Production Operations Management

Logistics Management Management of Technology

• Materials Engineering Major

Advanced Properties of Materials

Advanced Thermodynamics in Materials Advanced X-ray Crystallography Advanced Composite Materials Advanced Electronic Materials Advanced Metallic Materials

Advanced Materials Processing Advanced Special Industrial Materials Advanced Welding & Jointing Engineering

Advanced Ceramic Materials Advanced Ceramics Processing Advanced Fine Ceramics Advanced Theory of Sintering

Metallic Materials Ceramic Materials

• Mechanical Engineering Major

Advanced Noise Control Engineering
Advanced Internal Combustion Engines

Advanced Applied Mechanics

Advanced Applied Medianics

Advanced Thermal Energy Conversion

Computer Aided Manufacturing

Studies in Manufacturing Process

Advanced Machine Design

Advanced Fluid Engineering

Computer Aided Design

Application of Measurement & Control

Vibration Control Design Heat & Fluid System Design Automobile System Design

Introduction to Mechanical Engineering 1
Introduction to Mechanical Engineering 2

• Metallurgical Engineering Major

Metal Processing Seminar

Advanced Mechanical Behavior of Metal

Metallic Materials Seminar

Advanced Metallurgical Thermodynamics

Advanced Physical Metallurgy Advanced Chemical Metallurgy Advanced Metal Processing Advanced Metallic Materials Metallic Materials Testing
Extractive Metallurgy Seminar
Advanced Functional Materials
Advanced Welding Engineering
Advanced Surface Engineering

Introduction in Metallurgical Engineering

Physical Chemistry of Metals

Resource Mining Engineering Major

Advanced Mineral Resources Engineering 1

Advanced Mineral Resources Engineering 2

Advanced Mining Engineering 1

Advanced Mining Engineering 2

Advanced Mining Engineering 3

Advanced Mineral Exploration 2

Advanced Mineral Processing 1

Advanced Mineral Processing 2

Rock Mechanics

Blasting Engineering

Advanced Mineral Deposits Applied Geology Advanced Mineral Exploration 1 Mining Engineering Mineral Exploration

• Textile Engineering Major

Advanced Mechanics for Textiles Advanced Industrial Fiber Materials Physical Chemistry of Dyeing Industrial Color Science Advanced Natural Fibers Advanced Man-Made Fibers Theory of Yarn Formation Advanced Textile Finishing
Fiber Surface Modification
Advanced Knitting Technology
Advanced Textile Physics
Functional Polymer

Introduction to Textile Engineering

Yarn Spinning I

Department of Information Technology

• Computer Engineering Major

Advanced Image Processing
Computer Algorithm Design
Advanced Computer Graphics
Advanced Data Communication
Advanced Computer Network
Advanced File Processing
Advanced Database
Advanced Embedded System

Advanced Information Protection
Advanced IT Convergence
Advanced Mobile Computing
Advanced Web Engineering
Social Network Service
Cloud Computing
Computer Architecture

• Control & Measurement Major

Introduction to Electrical Circuits Sensor & Actuator Optical Measurement Engineering Optical Signal Processing Microsystem

Advanced Digital Control System Electronics Circuit Design Linear System Theory Introduction to Robot Vision Advanced Intelligent Robot Control Advanced Mobile Robot Control Advanced Electromagnetics Fuzzy Control System Advanced Applied Mathematics

Linear System Control
Topics on Advanced Control

Electronic Circuits Control Engineering

Electrical & System Engineering Major

Advanced Semiconductor Engineering

Linear System Analysis

Theory of Applied Sensor Measurement

Advanced Electric Machine

Electro-Mechanical Energy Conversion

Advanced Power Engineering

Advanced Control Engineering Advanced Telecommunication System Advanced Circuit Network Synthesis

Advanced Opto electronics

Advanced Electrical Application Engineering

Advanced Plasma Engineering

High-Voltage Discharge Engineering Theory of Electromagnetics

Electromagnetic Waves and Antenna Engineering Advanced New & Renewable Energy Engineering

Power Systems Planning and Operation

Power Systems Analysis Basic Circuit Theory Digital Logic Circuits

• Electronic Engineering Major

Advanced Digital System

Advanced Robot Engineering

Advanced Signal Processing

Design of Integrated Circuits

Power Management Integrated Circuit

Adaptive Signal Processing

Advanced Power Electronics

Advanced Information Theory

Advanced Control

Advanced Computer Architecture

Power Converter Design

Advanced Communication Theory

Advanced Biosignal Processing

Transducer Engineering

Signal & System

Probability & Statistics

• Information & Communication Engineering Major

Digital Mobile Communication

Advanced Image Communication Engineering

Broadband Communication System

Advanced Pattern Recognition

Advanced Artificial Intelligence

Advanced Optical Communication

Advanced Data Structure

Advanced Operating System

Advanced Database

Information & Communication Seminar

Probability and Random Process

Advanced Data Communication

Advanced Satellite Communication

Digital System Design

Information & Communication Theory

GRADUATE SCHOOL OF INFORMATION SCIENCE

The Graduate School of Information Science was founded to train specialists in the newly emerging disciplines of information science. The program consists of six Master's courses and a Chief Manager's course,

Department of Information Science

• Computer Information Major

Topics in Information System Analysis and Design

Topics in Programming Languages

Topics in Database

Topics in Operating Systems

Topics in Algorithm Theory

Topics in Artificial Intelligence

Topics in Computer Graphics

Topics in Software Engineering

Topics in Data Communication

Topics in Computer Science

Topics in Information Security

Topics in Project Management

Topics in Numerical Analysis

Introduction to Computer

Data Structure

• Library & Information Major

Topics in Development for Library Collection

Topics in Bibliography

Topics in Information Retrieval

Topics in Information Organization

Topics in Reading Guidance

Topics in Information Center Management

Information Transfer & Information Science

Reference & Information Service

Topics in Expert System

Topics in Programming Languages

Topics in Information Processing

Theory of Recording Management

Topics in Public Library Policy

Topics in Copyright Laws

Theory of Internet Resources

Research Method in Library and Information

Computer Library & Information Science

Introduction to Library and Information Science

• Management Information Major

Information Systems Analysis & Design

Management Information Systems Planning

Information Systems in Organizations

Decision Support Systems/Expert Systems

Quantitative Methods for Business Decision

Topics in Management Information Systems

Topics in Electronic Business

Topics in Database

Topics in Business Statistic Analysis

Topics in Business Policy & Strategy

Topics in Information Resource Management

Topics in Data Communications

Topics in Information Processing

Topics in Knowledge Management Systems

Topics in Computer Integrated Manufacturing Systems

Topics in Information Technology & Business Innovations

Principles of Management

Management Information Systems

• Sports Science Information Major

Topics in Measurement & Evaluation of Physical Education

Topics in Sports Biomechanics Studies in Exercise and Aging

Studies in Biomechanical Analysis of Sports Skill
Studies in Analysis of Clinical Sports Physiology
Studies in Analysis of Sports Performance and Genetics
Studies in Analysis of Exercise Testing and Prescription
Programs

Topics in Sport Management and Marketing

Topics in Sport Industry Theory
Topics in Leisure Sports Information
Practice in Motor Learning and Control

Practice and Application in Motor Development

Practice in Sport Social Psycology Research Method in Sport Science

Sport Physiology Sport Psychology

• Statistics Information Major

Topics in Object-Oriented languages

Theoretical Statistics

Advanced Analysis of Variance

Advanced Regression Analysis

Multivariate Statistical Analysis

Advanced Time Series Analysis

Generalized Linear Model

Topics in Statistical Data Analysis

Topics in Actuarial Statistics

Economics Business Statistics Modeling

Topics in Statistical Database

Topics in Data Mining

Theory and Applications in CRM

Mathematical Statistics

JAVA Language

GRADUATE SCHOOL OF LEGAL AFFAIRS

The Graduate School of Legal Affairs is the first school of its type in Honam and is divided into courses of Master's degrees and training courses for students to become chief legal officers.

Department of Law

• Chinese Law Major

Introduction to Chinese Law Studies in Chinese Real Estate Law Studies in Chinese Economic Law Studies in Chinese Contract Law Studies in Chinese Trade Law Studies in Chinese Arbitration Law

Studies in Chinese Foreign Investment Law Studies in Chinese Private International Law

Studies in Chinese Tax Law 1 Case Studies in Chinese Law 1 Studies in Chinese Tax Law 2 Case Studies in Chinese Law 2 Studies in Chinese Foreign Investment Corporation Law Basic Theory of Private Law Basic Theory of Public Law

Studies in Chinese Intellectual Property Law

Civil Law Major

General Theory of Civil Law Studies in Law of Ownership General Theory of Contract Law Study of Law of Usufructuary Rights Theory of Alternation on Property Right Case Studies in Law of Property Rights Studies in Law of Secured Property Studies in Law of Purchase and Sale Studies in General Remarks on Law of Obligation Case Studies in Law of Obligation

Studies in Law of Lease Case Study of Family Law Studies in Law of Torts Case Studies in Civil Procedure Studies in Family Law Studies in Enforcing Judgement General Theory of Civil Procedure Basic Theory of Private Law

Basic Theory of Public Law

Corporate Law Major

Studies in Corporation Law Case Studies in Corporations Studies in Commercial Papers Topics in Commercial Papers Studies in Law of Industrial Finance Case Studies in Commercial Papers Study of Corporate Government Studies in Law of Securities Exchange Studies in Law of Industrial Accounts Studies in Law of International Finance

Study of Insurance Law Case Studies in Financial Law

Studies in Law of Insurance Business Studies in Law of Consumer's Credit Studies in Bank Law Basic Theory of Private Law

Study of Electronic Transaction Law Basic Theory of Public Law

• Criminal Private Law Major

Studies in Criminal Law

Studies in Law of Criminal Procedure Studies in Cases on Criminal Law

Studies in Cases on Law of Criminal Procedure

Theory of Economic Crime

Theory of Procedure of Criminal Investigation

Theory of Organized Crime
Theory of Criminal Judicial System

Theory of Violent Crime

Theory of Juvenile Delinquency

Studies in Law of Evidence in Criminal Procedure

Theory of Environmental Crime Theory of Correctional System

Studies in Cyber Crime Theory of Probation

Studies in Police Law

Basic Theory of Private Law

Basic Theory of Public Law

• Human Rights Law

Basic Theories of Human Rights

Study on the Convention of Civil and Political Rights 1 Human Rights in the United States of America

Thoughts on Human Rights

History of Development of Human Rights

Study on the Remedies for Human Rights Violation

History of Human Rights Movement in Korea

Human Rights Cases 1

Human Rights Cases 2

National Punishing Power and Human Rights

Study on the Cases and Materials of Human Rights
Study on the Convention of Economic, Social and Cultural

Rights

Human Rights in France

Investigation and Human Rights

Study on the Human Rights Movement

Administration and Human Rights Advanced Study on Human Rights

Study on the Documents Relating to Human Rights

Study on the Civil and Political Rights 2

Human Rights in Germany

Armed Forces and Human Rights

Study on the International Human Rights Law

Human Rights of Child and Women

Labor and Human Rights Seminar in Human Rights

Basic Theory of Private Law

Basic Theory of Public Law

• International Trade Law

International Contract Law International Trade Law

Private International Law and International Litigation

International Commercial Arbitration Law

International Negotiation

Letters of Credit

United Nations Convention on Contracts or the International

Sale of Goods Incoterms 2000

Principles of International Commercial Contracts

General Agreement on Tariffs and Trade General Agreement on Trade in Services

Trade Remedy Law American Trade Law

European Trade Law

International Trade Dispute Resolution

Korean Trade Law

Free Trade Agreement

Basic Theory of Private Law

Basic Theory of Public Law

• Labor & Welfare Law Major

Studies in Labor Law

Studies in Social Security Law

Studies in Trade Union Law

Studies in Law of Women's Welfare

Studies in Law of Industrial Injuries Compensation

Studies in Law of Children, Aged People & Differently-abled

People's Welfare

Studies in Labor Protection Law

Studies in Settlement of Labor Disputes

Theory of Pension System

Studies in Employment Insurance Law

Studies in Topics in Social Security Law

Studies in Cases on Labor Law II

Studies in Law of Social Welfare Business

Studies in Topics in Labor Law Basic Theory of Private Law Basic Theory of Public Law

• Law of Real Estate Major

Studies in Private Law of Real Property Studies in Public Law of Real Property

Theory of Changes of Ownership of Real Estate

Theory of Ownership of Real Property

Studies in Law of Real Security over Real Estate

Studies in Cases on Law of Real Property 1

Studies in Law of Forcible Execution upon Real Property 1

Studies in Law of Forcible Execution upon Real Property 2

Theory of Compensation for Loss of Real Property

Studies in Real Estate Finance Law

Studies in Law of Registration of Real Estate Studies in Law of Usufruct of Real Estate

Studies in Leasehold Estate Law

Studies in Cases on Law of Real Property 2

Studies in Law of Real Estate Tax

Theory of Estimation & Evaluation of Real Estate

Basic Theory of Private Law Basic Theory of Public Law

• Local Government Law Major

Constitution & Local Autonomy
Studies in Local Government Law
Theory of Local Council System
Studies in Law of Local Public Servant

Theory of Local Legislation Studies in Law of Judicial Review Studies in Environmental Law

Studies in Law of Administrative Powers Studies in Law of Disclosure of Information Studies in Cases on Local Government Law Studies in Law of Settlement of Local Government Disputes Studies in Law Government Education

Studies in Law Government Education
Studies in Law of Administrative Procedure
Studies in Law of Administrative Action
Studies in Constitutional Review

Studies in Law of Local Government Finance

Basic Theory of Private Law Basic Theory of Public Law

GRADUATE SCHOOL OF LIFE RESOURCES SCIENCE

Department of Life Resources Science

• Biological Resources Development Major

Advanced Agricultural Biology

Advanced Animal Biotechnology

Advanced Animal Resources

Advanced Bioenvironmental Chemistry

Advanced Horticultural Resources Botany

Advanced Crop Agriculture Life Science

Study of Animal Genetic Breeding

Advanced Animal Welfare & Ethology

Forest Ecology Management

Sustainable Agriculture

Integrated Management of Plant Diseases

Integrated Management of Insect Pests

Advanced Greenhouse Management

Advanced of Medicinal Crops Horticultural Plant Genetics

Crop genetics

Principles of Crop Production

Agro-Food Marketing

• Food Industry Major

Advanced Physical Properties of Agricultural Products

Advanced Animal Biotechnology

Advanced Animal Resources

Advanced Economics of Bioindustry

Advanced Food Engineering

Advanced Horticultural Resources Botany

Advanced Crop Agriculture life science

Advanced Study of Livestock Products

Functional Animal Foods

Bio-material

Bioenergy Engineering

Fermentation Food

Nondestructive Quality Evaluation

Advanced Food Economics

Advanced Managerial Economics of Food Industry

Food biotechnology and bioengineering

Principles of Crop Production

Agro-Food Marketing

• Regional Resources Development Major

Advanced Wood Science & Technology

Development of Forest Rural Area and Income

Advanced Economics of Bioindustry

Theories of Advanced Landscape Architecture

Advanced Rural Construction

Theories of Ecology and Landscape Planning

Advanced Rural Planning

Advanced in Wood & Human Life

Advanced Wood Utilization

Advanced Forest Environment and Recreation

Theories of Historic Cultural Resource Planning

Advanced Resource Economics

Theories of Rural Green Tourism Planning

Theories of Landscape Plant Cultivation and Planting Design

Regional and Development Economics

Advanced of Forest Diseases Treatment

Principles of Crop Production

Agro-Food Marketing

GRADUATE SCHOOL OF OCCUPATIONAL HEALTH

The Graduate School of Occupational Health was established to develop students' capabilities in areas such as health promotion, and removal and control of risk factors in work places, though ergonomically considered job design.

Department of Health Management

Introduction to Health Science Health Planning
Principles of Epidemiology Health Sociology

Principles of Biostatistics Introduction to Health Economics

Community Health Field Training Health Care Policy

History of Health and Medical Care Environmental Health and Hygienics

Legal Basis of Public Health Health Promotion

Administration of Personal Health Services Research Methods in Health Science

Health Informatics

Biochemistry & Lab.

Social Security for Medical Care

Health Education

Department of Industry Health

Labor & Health Occupational Epidemiology

Advanced Health Education Seminar in Occupational Medicine

Occupational Nursing Occupational Toxicology

Industrial Health Law & Regulation Theory of Occupational Disease Management

Occupational Health Statistics Health Care Policy Introduction to Occupational Health Health Health Promotion

Occupational Physiology Research for the Master's Thesis

Occupational Psychology

Industrial Safety & Accident

Biochemistry & Lab.

GRADUATE SCHOOL OF PUBLIC **ADMINISTRATION**

The Graduate School of Public Administration was established to provide students with basic professional abilities and a broad understanding of the various fields within Public Administration.

Department of Journalism

Journalism Major

Research Methodologies of Mass Communications

Mass Communication & Society

Seminar in Mass Communication Theory

Media Economics Media History Media Criticism Media Policy

Journalism Ethics & Law Special Studies on Journalism Global Media Management Introduction to Visual Arts

Information Society & New Media Political Communication Theory Theory and Practice of Public Relations Modern Society and Advertising Theories in Broadcasting Theories in Popular Culture Special Lecture on Media History

Theories in International Communication Theories in Cyber Communication Studies in Advertising Industry

Studies in Local Media

Studies in Korean Wave Market

Department of Local Government

• Local Government Major

Topics in Local Government Topics in Political Science Topics in Local Government System Topics in Local Administration

Topics in Educational Autonomy Topics in Community Policing

Topics in Local Journalism Local Finance and Economy Local Government and NGO Survey and Research Methodology Topics in Comparative Politics Topics in Political Thought Topics in Political Party

Topics in Electronic Government

Parliamentary Politics and Election Marketing

International Relations and Exchange International Society and Governance Public Relations and Negotiation-Persuasion

Department of Public Administration

Public Administration Major

Topics in Public Administration Topics in Public Personnel Administration Topics in Public financial Administration

Man-power Development and Management Topics in Organizational Behavior

Topics in Urban Administration

Topics in Public Policy Topics in Local Public Administration Topics in Planning Theory

Administrative Research and Statistics

Public Administration and Information Management

Topics in Environmental Administration Topics in Local Public Finance Public Policy Analysis and Evaluation

Public Policy Analysis and Evaluation Administrative Regulation and Reform Topics in Modem Public Administration

Department of Social Welfare

• Social Welfare Major

Studies in Social Work with Families

Social Work Practicum

Studies in Correctional Social Work

Studies in Elderly Welfare Studies in The Third Sector

Studies in Poverty and Social Welfare

Studies in Case Management

Studies in Social Security

Studies in Social Welfare Policy Analysis

Studies in History and Philosophy of Social Welfare

Studies in Social Work Practice Theories

Studies in Social Welfare Ethics and Philosophy

Studies in Social Welfare Research

Studies in Social Welfare Administration

Studies in Social Welfare Supervision

Studies in Volunteer Management

Studies in for the Handicapped

Studies in Mental Health

Studies in Community Welfare

Studies in Program Development & Evaluation

Studies in for the Child Youth Welfare

Studies in Social Problem

Studies in Human Behavior & Social Environment

Studies in Social Welfare Statistics

Studies in Multi-culture Society and Welfare

RESEARCH ORGANIZATIONS

Advanced Institute of Environment and Bioscience (AIEB)

• Director : Oh, Byung-Taek Ph.D. Professor

• Phone: 82-(0)63-850-0848, Fax: 82-(0)63-850-0834

The Advanced Institute of Environment and Bioresource Science at Chonbuk National University, Iksan campus, was founded in 2010 in order to enhance interdisciplinary education between biotechnology, environmental engineering, and natural science. The institute promotes technical research on environmental biotechnology and environmental engineering. As such, it plays a vital role in the development of eco-friendly industrial wastewater treatment techniques, soil and ground water remediation techniques, and drinking water treatment techniques. Moreover, it promotes cutting-edge technology research for the advancement of Korean science and technology.

The institute consists of two divisions which oversee its study areas, the Department of Bioresource Science and the Department of Environmental Science. The institute receives research funds from several funding agencies such as KOSEF, NRF and RDA. The faculties of this institute engage in international collaboration efforts with reputed universities in USA and India. The institute periodically organizes seminars (domestic & international) and workshops that enhance academic and research activities. In the near future, the institute will initiate an international joint research project that will enable student exchange and expand joint research programs.

Arts Development Center

• Director : Lee, Hwa-dong, Professor, Dept. of Korean Music

• Phone :+82-070-4131-2008

The purpose of the Arts Development Center is to encourage and stimulate the artistic activities of professors and graduates, and to make for them a better research environment. We make use of the nearby hanok village as a center of Korean culture in many traditions: hanok, Korean traditional music, Korean food, hanji, hanbok etc. and aim to offer a place where people can relieve the stress from society, enabling them to develop a better quality of life. As the university is located in Jeonju, where many traditional Korean cultures developed, we are uniquely placed to promote such activities and in doing so we are able to increase the status of the university.

Bio-Safety Research Institute, Chonbuk National University

• Phone: 82-(0)63-270-3883, Fax: 82-(0)63-270-3780

• Director: Kang Hyung Sub, Associate Professor, Veterinary Medicine, DVM, Ph.D

The Bio-Safety Research Institute endeavors to find solutions to issues relating to animal and human health: infectious disease, environmental pollution, chemical and biological hazards, food safety, etc. It is the goal of the institute to create safer habitats for both humans and animals. It works to prevent

life-threatening infectious diseases, to identify toxic materials (drugs and other toxic agents), and to reduce the dangers of environmental pollutants. Newly emerging world-wide infectious diseases are on top of our priority list and we host internationally renowned scientists who represent the fields of these infectious diseases in order to encourage progress. Towards the end of the 19th century, scientists began to understand the importance of the role of animals as potential transmitters of disease and in the last decades of the 20th century, many animal-borne diseases have been recognized in the world, these include BSE, E, coli and Salmonella infections, Avian influenza, and Tuberculosis. These are serious illnesses, especially if untreated or uncontrolled; most individuals require hospitalization and the illnesses still may cause death. Since 1996, evidence has been increasing for a relationship between ongoing outbreaks in Europe of a disease in cattle, commonly referred to as "mad cow disease" (bovine spongiform encephalopathy), and a disease in humans, called new variant Creutzfeldt-Jakob disease (nvCJD). Both disorders are invariably fatal brain diseases with an unusual long incubation periods measured in years, and are caused by prion, an unconventional transmissible agent. Our interdisciplinary and professional backgrounds on issues such as these have enriched knowledge and ideas through research, presentation, discussion and the exchange of information and experiences.

CBNU Research Institute of Nursing Science

- Director: Yu, Kwang-su, Ph.D. Professor of College of Nursing
- Phone: 82-(0)63-270-4682, Fax: 82-(0)63-270-3127

The Research Institute of Nursing Science aims to develop nursing theories of health promotion in the population, to train and to facilitate enhanced practices and research skills for nursing specialists, clinical nurses, and other health related personnel, and to serve and educate the public.

The institute executes the following specific activities: (1) it conducts research to develop nursing theories, (2) it participates in international academic exchanges, and cooperates with international organizations related to the field of nursing, (3) it hosts academic seminars, symposia, and meetings to present research findings in the field of nursing, (4) it publishes an academic journal or a periodical in the field of nursing, (5) it educates and trains nursing specialists, clinical nurses, and health related personnel, (6) it educates and serves the public in ares of health promotion. It also promotes various other activities that work towards achieving its goals.

Center for Subject Matter Education

- Director: Kang, Bong-geun, Ph.D. Professor, Classical Korean Prose, sokc@chonbuk.ac.kr
- Phone: 82-(0)63-270-2711
- Homepage : http://home.jbnu.ac.kr/edulab

The Center for Subject Matter Education was established to research educational objectives, teach learning methods, and evaluate subject matter and content organization. This center contributes to the development of the theories and their applications of subject matter education.

Earth Environmental System Research Center

• Director: Oh Chang Whan, Ph.D. Professor of Ore Deposit and Geochemistry

• Phone: 82-(0)63-270-4571

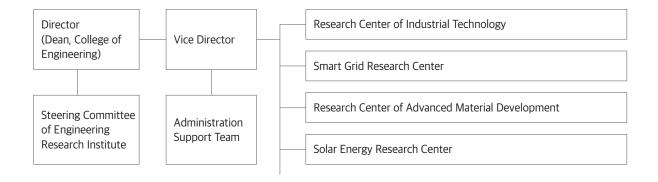
The Earth Environmental System Research Center, established in 2005, aims to contribute to efficient national land development by carrying out basic research on the earth and its environmental systems and applying those research results to natural disaster prevention and recovery, minimizing casualties and property damage. The center constitutes of the Basic Research Bureau and the Applied Research Bureau. The Basic Research Bureau includes the Earth Environmental Information Branch and the Administrative & Legal Branch. The Applied Research Bureau includes the Environmental Geological Branch, the Applied Geological Branch, the Resource & Energy Branch and the Natural Disaster Prevention Branch. The steering committee of the institute consists of fewer than 10 committee members and includes Head and Bureau chairs. Basic geological research and geological information establishment are carried out by the Environmental Information Branch, administrative and legal research and consultation on environmental issues are handled by the Administrative & Legal Branch, research on prevention of natural disasters and environmental pollution and research on natural reservation and restoration is handled by the Environmental Geological Branch, geological construction projects, geophysical exploration and development & preservation are handled by the Applied Geological Branch, exploration of energy and mineral resources is handled by the Resource & Energy Branch, and research into the causes and prevention of natural disasters is handled by the Natural Disaster Prevention Branch.

Engineering Research Institute

• Director: Cho, Gi-Sung, Professor of Civil Engineering

• Phone: 82-(0)63-270-3572, Fax: 82-(0)63-270-3573

The Engineering Research Institute of the College of Engineering was established in August 2001 to contribute to fundamental research and development in the field of engineering, as well as to supervise and coordinate R&D planning and execution affairs of 21 engineering research centers. The main research centers are the IT Convergence Research Center, the Research Center of Advanced Material Development, the Research Center of Industrial Technology, the Smart Grid Research Center, and the Solar Energy Research Center



-	T Convergence Research Center
(Center for Advanced Image and Information Technology
	Research Center for the Healthcare & Welfare Instrument of th Aged
F	Polymer Materials Fusion Research center
1	Nano Materials Processing Research Center
ι	Jrban Environment Institute
	C Design Education Center
F	Research Institute for Disaster Prevention
ŀ	Hydrogen·Fuel Cell Research Center
(Center for Automobile High Technology
L	ong-Span steel Frame system Research Center
A	Advances Electronics & Information Research Center
I	ntelligent Robots Research Center
(Geothermal Energy technology Research Center
A	Advanced Wind Power System Research Center
E	ECO-friendly Machine Parts Design Research Center
(Cloud Open Research and Development Center
	nstitute for Carbon Fiber Innovation
5	Soil Environmental Research Center
	Next Generation Convergence Information Service Technology Research Center
(Center for advanced bioimaging research
(Center for Carbon Composite Materials

Han-Style Research Center

- Director: Lee, Chongmin, Ph.D. Professor
- Phone: 82-(0)63-270-3211, Fax: 82-(0)63-270-3780

The Han-Style Research Center was established in 2007 with a main goal of researching how to modernize and to globalize traditional Korean cultures. The main fields of traditional cultures are identified as being the Korean language, Korean music, Korean food, Korean housing, Korean clothing and Korean paper. The center, also, works to give the members of CBNU various opportunities to appreciate traditional Korean culture. To achieve its goals the center provides various lectures on Korean traditional cultures and tours of Jeonju Hanok-village.

Hemorheology Research Institute

- Director: Lee, Dong-hwan, Ph.D. Professor of Mechanical Design Department
- Phone: 82-(0)63-270-3998, Fax: 82-(0)63-270-2460

The Hemorheology Research Institute (HRI), established in 2011, aims to create and develop new medical technology on cardiovascular diseases and circulatory organ problems by carrying out studies in hemorheology. The HRI focuses on the field of blood viscosity, a biophysical property of blood represented as the flow resistance between blood and blood vessels. Blood behaves as a non-Newtonian fluid, its viscosity varies with changes in shear rates; shear stress increase with the increase of blood viscosity. This eventually leads to the causes of cardiovascular and microvascular diseases as the circulatory force balance is impaired.

The main activities of the HRI are as follows: (1) basic research on hemorheology, (2) clinical research on the development of new medical treatments to improve blood circulation, (3) analysis on the physical and chemical properties of blood, (4) hemorheological interpretation of clinical data, (5) development of new medical devices related to hemorheology, (6) animal testing for KFDA certification of newly developed medical devices, and (7) clinical trials of new treatments to enhance the rheological properties of blood.

Industrial Design Research & Development Center

- Director: Hong Chan-Seok, M.A. Professor
- Phone: 82-(0)63-270-3760, Fax: 82-(0)63-270-3587

The Industrial Design Research and Development Center, established in 1993 as part of collaboration efforts between many research institutes and departments, pursues scientific research on the knowledge and methods needed to solve various issues of industrial design, and contributes to industrial growth by solving academic-industrial tasks through academic-industrial cooperation systems.

Institute for Medical Sciences

- Director: Han, Hyung Kwan, Ph.D. Professor
- Phone: 82-(0)63-270-3106, 82-(0)63-270-3052, Fax: 82-(0)63-270-3053

The Institute for Medical Sciences was established in 1977 as an independent non-profit organization attached to CBNU. The institute conducts research aimed at making important medical discoveries that improve human health and reduce the burdens of illness and disability. The institute investigates ways to diagnose, treat, and prevent diseases as well as promote education in medical science. It also supports the next generation of researchers, holds scientific meetings, and publishes the Chonbuk National University Medical Journal,

Institute for Northeast Asian Law

Director: Han, Sang-Kook, Ph.D. Professor of Law
Phone: 82-(0)63-270-4707, Fax: 82-(0)63-270-4583

The Institute for Northeast Asian Law (INEAL) at Chonbuk National University was established in July 2006. It aims to promote political, economic, and social integration in Northeast Asia through research on the laws and institutions of the region. In order to accomplish these goals, INEAL works to bring academic institutions across the region together, and looks to balance local and regional concerns as well as the demands of globalization.

The institute has laid out the following objectives that will allow it to achieve its purpose: (1) educate students in the theory and practice of Northeast Asian law, (2) conduct further research in its field and publish these research results. (3) promote the understanding and development of legal culture within the Northeast Asian region. On top of these objectives, INEAL plans to organize international academic conferences and initiate joint research projects by collaborating with universities in Northeast Asia.

Institute for Radiation Technology (IRT)

- Director: Uhm, Tai-boong, Ph.D. Professor of Biological Sciences
- Phone: 82-(0)63-270-3439, Fax: 82-(0)63-270-3362

The Institute for Radiation Technology (IRT) was established in 2007 to lead in developing new radiation technology in the fields of biotechnology, engineering, environmental technology, and medicine. We develop fundamental radiation technology by using radioisotopes and to apply them creatively to industrial demands in bioscience, bioengineering, food industries, environmental industries, and the medicinal industry.

Institute for Sport Science Industry

- Director :Jung Kyung-Hoi, Ph. D. Professor of Sport Management
- Phone: 82-(0)63-270-4077 Fax: 82-(0)63-270-4078

The Institute for Sport Science Industry (ISSI) was established in 2009. It aims to develop a comprehensive research system for sport science and sport industry.

The main activities of the Institute are to:

- To organize research seminars
- To contribute to sport science development through improvements related to athlete training methods
- To provide extension programs for sport facility program development
- To train sport industry specialists

The ISSI consists of three cooperative divisions:

- . Division of Exercise Prescription and Game Ability Elevation
- . Division of Sport Education and Sport Counsel
- . Division of Sport Industry

Institute of Agricultural Science and Technology

- Director: Lee, Hoi-Seon, Ph.D. Professor of Wood Science & Technology
- Phone: 82-(0)63-270-3566, Fax: 82-(0)63-270-3571

The Institute of Agricultural Science and Technology was founded in 1996 to carry out research on the agricultural production, utilization and processing of agricultural products, on agricultural land and water development, on the agricultural environment, on the agricultural economy, on landscape architecture and on tourism. More so, it also assists in the education of in-training farmers and of generations to come.

The main activities of the Institute are as follows: (1) carry out basic and applied research on food crops, horticultural crops, industrial crops and forage crops, (2) carry out research on, and diffuse knowledge about, agricultural engineering and bio-resource mechanical engineering, (3) develop value-added products using agricultural resources and develop traditional foods, (4) study landscape planning, design and construction, tourism, and recreation & resort development ecology including environmental impact assessment, and (5) train the next generation in agricultural biological science and train farmers in the latest agricultural technologies.

Institute of Applied Statistics

- Director: Chung, Sung-Suk, Ph.D. Professor of Statistics
- Phone: 82-(0)63-270-3968, Fax: 82-(0)63-270-3405

The Institute of Applied Statistics was established in 2005 as an affiliate of the Chonbuk National University College of Natural Sciences. The institute develops statistical theory and collaborates with

various disciplines by providing consultation and training courses in statistics and statistical packages. Statistical consultation includes design and selection of samples, questionnaire construction, data analysis, and statistical support for local government policy-makers.

Institute of Biodiversity Research

- Director: Park, Jong-young, Ph.D. Professor of Environment biology
- Phone: 82-(0)63-270-3447, Fax: 82-(0)63-270-3448

The Institute of Biodiversity Research was established in 1995 to improve understanding of biological diversity and its conservation through study of the composition, structure, and function of biota at genetic, species and ecosystem levels. The main activities of the institute cover the following fields: (1) Systematics and evolution of endemic, endangered, keystone, and vulnerable organisms in Korea and Asia, (2) Inventorying ecosystems and monitoring changes in habitats, (3) Study of composition, structure, and interaction of the soil community and its function in soil development, (4) Conservation, restoration, and maintenance of biodiversity with consideration to economic and social factors, and (5) Environmental assessments to determine the potential impacts of developments on ecosystems, species, and genetic resources.

Institute of Cardiovascular Research

- Director: Joo, Chan-Uhng, M.D. Ph.D. Professor
- Phone: 82-(0)63-250-1471, Fax: 82-(0)63-250-1464

The Institute of Cardiovascular Research is concerned with the advancement of cardiovascular medicine. Today drugs being used to manage heart disease are mainly cell surface receptor-targeted blockers, including beta-blocker, angiotensin II receptor blocker and L-type calcium channel blockers. However, death due to heart diseases is rampant and has been tagged as the world-wide epidemic. Researches, including ours, show that various heart diseases are associated with an unusual increase in cytosolic calcium levels and the source of cytosolic calcium and the causative mechanism of calcium increases have not yet been elucidated. The heart has several types of calcium regulators: L-type Ca2+ channel, ryanodine receptor, IP3 receptor, Na+-Ca2+ exchanger and Ca2+-ATPase. Now, studies in the Institute of Cardiovascular Research are directed to the elucidation of signaling pathways and activation mechanisms of ADP-ribosyl cyclase (ADPR-cyclase), which regulates cytosolic Ca2+ levels in the heart, and to the development of regulators forcADPR/ADPR-cyclase. The institute has been directed to focus its current research efforts on the roles of ion channels during ischemia-reperfusion stimuli and the molecular mechanism of ion channel-involved protection.

Institute of Educational Issues Research

• Director: Wang, Kyung-su Ph.D. Professor of Educational Technology & Cognitive Science

• Phone: 82-(0)63-270-3570

• Homepage: http://soedu.jbnu.ac.kr/

The purpose of the Institute of Educational Issues Research is to contribute to community and national development through study in the field of education with academic activity, instruction, and international communication. The Institute's basic mission is to provide professional foundations for programming and organizing education. The institute has performed several projects such as "The development of the checking system of the Web-based IT ethical attitude". The institute is currently studying and investigating a variety of topics in education.

Institute of Fusion Science

• Director: Han, Sang-Wook, Ph.D. Professor of Department of Physics Education

• Phone: 82-(0)63-270-2424, Fax: 82-(0)63-270-2423

The Institute of Fusion Science (IFS) is a pioneer institute that is effectively researching the fields of fusion science, those are nanoscience and nanotechnology (NT), biological science and technology (BT), environmental science and technology (ET), and information science and technology (IT). The fusion sciences have inherent difficulties when investigated by a single scientific field, such as physics, chemistry, or biology because they require knowledge of multiple fields of science to be combined. The IFS was established on June 23, 2008 and consists of five different sections, accelerator science, physics-material science, biology-medical science, energy-environmental science, and Korean traditional science. The accelerator science section mainly studies the development and the usage of accelerators, synchrotrons, cyclotrons, proton accelerators, heavy ion accelerators, and particle accelerators. The physics-materials science section focuses on the characterization of various materials, particularly, nanomaterials, and on the development of various devices for practical applications. The biology-medical science section investigates biological materials and studies medical applications of the biological materials. The energy-environmental science section mainly researches the environmental problems, including pollutions, global warming, and energy. The Korean traditional science section covers the research of the traditional sciences in Korea.

IFS members have different research backgrounds, including physics, chemistry, biology, earth science, material science, electronics and information engineering, architecture, chemical engineering, biological resources, forest science, medical science, medical material science, and arts. They extensively research the fusion science fields, particularly, NT, BT, ET, and accelerator sciences and publish high level research papers in well-known global research journals, including Physical Review Letters, Journal of the America Chemical Society, Applied Physics Letters, Nanotechnology, and Nano Letters. IFS members have significantly contributed to fusion science and developed various technologies, including nano light emitting diodes, sensors, nano-catalysts, and graphene applications.

Institute of Intercultural Communication

- Director: Chin, Sang-Bum, Ph.D. Professor of Department of German Language & Literature
- Phone: 82-(0)63-270-3183, Fax: 82-(0)63-270-3295

The Chonbuk National University Institute for Intercultural Communication was established through the cooperation of a group of competent people from a variety of disciplines, those people recognized a need for the globalization of Korean Culture.

In order to globalize Korean Culture the Institute provides an understanding of Korean culture to foreigners through mutual academic exchanges with Korean departments overseas, at foreign universities and through human exchanges.

The Institute also has various programs for foreign students at CBNU, making Korean culture accessible and interesting. The Institute is focused on developing large joint research topics on strategies to internationalize Korean culture. As result we receive research project support from external agencies. We make every effort to translate our research results into various foreign languages in order to communicate to the world. The Institute aims to develop an awareness of Chonbuk National University as a top world university through academic exchanges with prestigious foreign universities. Furthermore, the purpose of the Institute is to make available a professional infrastructure, strategic joint research, translation, and support for promotional activities in order to enable international exchanges on the local cultures of South Korea,

Institute of Local Government and Autonomy

- Director: Choi, Hwan Chol, Ph.D, Professor of Science of Public Administration
- Phone: 82-(0)63-270-3611, Fax: 82-(0)63-270-3661

This research institute was established in order to gather data and conduct studies on municipality, thereby contributing to the enhancement of understanding and of a healthy development of the local area,

Main activities

- Scholarly research and investigation on municipality
- Conferences and presentations of research results
- Educational courses on municipality
- Publication of research journals and books
- Exchanges with other institutes and organizations instigating the undertaking of research services
- Other works related to municipality research

Institute of Molecular Biology and Genetics

- Director: Jang Yong-Suk, Ph.D. Professor of Immunology
- Homepage: http://img.chonbuk.ac.kr
- Phone: 82-(0)63-270-3568, Fax: 82-(0)63-270-3591

The Institute for Molecular Biology and Genetics (IMBG) was established in 1987. It aims to develop a comprehensive research system for molecular biology and genetics through the education of specialized personnel and execution of planned research.

The main activities of the Institute are to:

- To organize research seminars
- To sponsor individual and cooperative research
- To publish newsletters
- To conduct planned research activities.

The IMBG consists of four cooperative divisions as follows:

- Division of Recombinant DNA technology
- Division of Biochemistry
- Division of Monoclonal Antibody
- Division of Applied Genetic Engineering

Institute of Oral Bioscience

- Director: Jeon, Jae-gyu, Ph.D. Professor of Department of Preventive Dentistry
- Phone: 82-(0)63-270-4036, Fax: 82-(0)63-270-4004

The Institute of Oral Bioscience, established in 1983 in the School of Dentistry, is composed of three sections: planing/steering, research and education. The purpose of this research institute is to contribute in dentistry development through all sorts of research activities that will become the basis of future dentistry. To achieve such a purpose, the members of this institute are doing research activities for basic and clinical dentistry, industry-university research, cooperative institute interchange, reeducation of dentists and assistants, public service activities, invitation lectures and academic conferences and other events.

Institute of Photonics, Electronics and Information Technology

- Director: Kim Myung-Whun, Ph.D. Professor of Physics
- Phone: 82-(0)63-270-3675, Fax: 82-(0)63-270-3320
- Homepage: http://ipit.chonbuk.ac.kr

The Institute of Photonics and Information Technology in Chonbuk National University was founded in 1998 in order to achieve the highest quality of professional education and research in the areas of the Natural Sciences, Engineering and Life Science. For the improvement of the said institution, in 1999, the elementary physics course has been refurbished through the construction of a Multimedia Lecture Facility that conducts both experiments and lectures, and provides corresponding lecture materials. The Korea Research Foundation, has been funding this institution since 2002 and it serves as an Enfocused Research Center in studying the optical and electronic properties of quantum structures. The institute, as a research contributor, has achieved its own leading-edge facilities through the development of "Scanning"

Tunneling Microscopy" and "Femto-second Laser Spectroscopy". As the institute progresses it will magnify the synergic effect of Nanoscale and Femtosecond sciences through collaborations by all participating scientists,

Institute of Plasma Application

- Director: Choi, Dae-kyu, Ph.D. Professor of Intelligent Materials Engineering
- Phone: 82-(0)63-270-2297 Fax: 82-(0)63-270-2305

This Institute was founded for the research and education of plasma properties, plasma applications, and also for the cultivation of plasma specialists.

The Institute of Plasma Application supports and cooperates with the High-Enthalpy Plasma Center in Chonbuk National University to carry out plasma research and development. This center has constructed a number of items for high enthalpy plasma facilities, constructed plasma equipment for testing materials in extreme environments, developed high temperature materials, and has developed nano powder fabrication and high performance surface coating technology.

The Institute of Plasma Application has the potential to test, produce, research and develop materials in extreme conditions, produce nano powder, and plasma coat surfaces etc. These abilities in cooperating with High-Enthalpy Plasma Center give widespread applications for display, electronics, aerospace, energy and military industries.

Institute of Pure and Applied Mathematics

- Director: Lee, Dae-woong, Ph.D. Professor of Mathematics
- Phone: 82-(0)63-270-3367, Fax: 82-(0)63-270-3363

The Institute of Pure and Applied Mathematics was established in 2000 for the purpose of facilitating and developing pure and applied mathematics in connection with other major disciplines. It is supported by many celebrities and has several sections such as the pure math section, the math education section and the applied math section involving statistics, electronics and information engineering. We invite many renowned scholars to give talks, and we support the specialized seminars and workshops of the sections mentioned above. In addition, we hold mathematics contests for both junior and senior high school mathematics development.

Institute of Rare Earth for Biological Application

- Director: Hur, Sam-nam, Ph.D. Professor of Grassland Science
- Phone: 82-(0)63-270-4480, Fax: 82-(0)63-270-4479

The Institute of Rare Earth for Biological Application aims to research uses of rare earth elements

for human and agricultural applications, to develop new commercial products, to make accessible the technology, to give technical consultation to industry, to support domestic and international field trips, and to organize domestic and international academic conferences.

Institute of Recreation and Landscape Planning

• Director: Ahn, Deug Soo, Ph.D. Professor of Landscape Architecture

• Homepage: http://landscape.jbnu.ac.kr

• Phone: 82-(0)63-270-4087

The Institute of Recreation and Landscape Planning in Chonbuk National University was founded in 2005 in order to achieve the highest quality of professional education and research on recreation and landscape planning. The Institute does research on landscape and recreation, proceeds to lead the planning of recreation space and sustainable landscapes, contributes to the creation of outdoor environments and promotes sound ecological methods. The institute fosters joint research projects, symposia and seminars between a variety of majors. A journal produced by the institute is published twice a year, and was named a candidate to be a National Research Foundation of Korea listed journal.

Institute of Rice, Life and Civilization

- Director: Yi, Jeong Duk, Ph.D. Professor of Archeology and Cultural Anthropology
- Phone: 82-(0)63-270-3287, Fax: 82-(0)63-270-3282

Rice, wheat and corn are known as "crops of civilization" for their effect on human life and civilization. When a multidisciplinary study on the effects of "crops of civilization" and their environments is completed, we think that the previous divisions of the East and the West will be revealed as inadequate because this division is not based on the real cultural and ecological dynamics of the world, but on the early modern political ideology of Europe. We think the concept of "Rice Civilization Area" (Eastern Asia+India) and "Wheat Civilization Area" (Europe+Middle East) is more adequate to explain Eurasia's ecological and cultural differentiations of the agricultural age.

Rice in Eastern Asia was not only a staple but also a symbol of human life that covers politics, economy, culture, society and ecology. In this part of Asia, rice represents life based on collective cooperation, a mutually beneficial value system, and solidarity. The goals of this institute are 1) to understand the effects and implications of rice on human life and civilization, 2) to compare the "Rice Civilization" with the "Wheat Civilization", and 3) to replace the old concept of the East and the West with "Rice Civilization Area" and "Wheat Civilization Area" as a more appropriate conceptual tool in understanding Eurasian dynamics in the agricultural age.

Institute of Science Education

- Director: Ryang, Woo-hun, Ph.D. Professor of Marine Geology
- Phone: 82-(0)63-270-2868, Fax: 82-(0)63-270-2869

The Institute of Science Education is a research-oriented institute, committed to the improvement of teaching and learning in both science and mathematics. The institute, established in 1973, has designed and implemented programs that meet both the science interests of students and teachers so that they can make a contribution to development of local and eventually national society. The institute is currently studying and investigating a variety of topics in education: development of and research into the science and mathematics curriculums, research on teaching methods and development of materials, teacher education programs, conferences for related topics, publications of bulletins for circulation of activities, and creation of web-based science education programs,

Jeonju Makgeolli Research Center

- Director: Cha, Youn-Soo, Ph.D. Professor of Food Science & Human Nutrition
- Phone: 82-(0)63-270-4587, Fax: 82-(0)63-270-3854

The korean traditional alcoholic beverage 'Makgeolli', is a type of rice beer typically prepared using steamed rice and nuruk. Currently scientific based research into evidence for the health benefits of makgeolli is unavailable. In view of this, Chonbuk National University established Jeonju Makgeolli Research Center (JMRC) in 2010. Professors and researchers at JMRC focus on finding scientific evidence for the health benefits of makgeolli consumption.

Researchers at JMRC screen the various microorganisms involved in makegeolli fermentation. Suitable microbes isolated from makegeolli are used in examination for their roles as probiotics in preventing various metabolic disorders, using basic research on cell lines and animal models.

JMRC is funded by various funding agencies for performing research. The research by JMRC is useful in raising awareness among people worldwide about the advantages of makegolli. The publications by JMRC will help in increasing makegolli exports worldwide.

Korea Zoonosis Research Institute

- Director: Cho, Doo-Youn, DVM, PhD
- Phone: 82-(0)63-219-5290, Fax: 82-(0)63-219-5296

The Korea Zoonosis Research Institute was established in 2006 at the suggestion of the government. The administrative and research laboratory building is under construction and will be completed in 2013 with governmental funding of US \$34 million appropriated over 5 years. The facility has large BSL-3 and ABSL-3 laboratories and is furnished with state of the art research equipment. The Institute is the largest of the kind in Asia. The research will focus on the molecular pathogenetic mechanisms of major zoonotic

diseases and their etiologic agents, and the development of vaccines and treatment modalities. Being funded by the government, research laboratories including BSL-3 and ABSL-3 zones will be available for use by researchers from other institutes.

Law Research Institute

- Director: Lee, June-Young, Ph.D. Professor of Law
- Phone: 82-(0)63-270-3584, Fax: 82-(0)63-270-3584

The Law Research Institute aims to implement the law of daily matters by researching precedents, internal and external legal theories, by collecting and analyzing all sorts of legal information, and by revitalizing the research function of the law school. These goals are achieved by holding the lectures of renowned legal professionals as well as through academic events such as seminars and symposiums. The institute also publishes all kinds of teaching materials about law, these include the Law Series and the Law Study scientific journals. This activities help to inform domestic and foreign interests of the results achieved by the researchers at CBNU.

Moreover, the institute runs the Law Support Center that serves the faculty, students and the local community. It endeavors for the development of Korea's law culture.

Los Alamos National Laboratory-Chonbuk National University Engineering Institute Korea

- Director: LEE, Jung-Ryul, Ph.D. Professor of Aerospace Engineering
- Phone: 82-(0)63-219-4637, Fax: 82-(0)63-219-5242

The Engineering Institute Korea (EI-K) is a joint venture engineering institute, established on 26 August 2011, between the Los Alamos National Laboratory (LANL), USA and Chonbuk National University (CBNU), S. Korea.

The LANL located in Los Alamos, New Mexico, USA was established in 1943 as site Y of the Manhattan Project for the development of the atomic bomb. The LANL of today has a heightened focus on worker safety and security awareness, with the ever-present core values of intellectual freedom, scientific excellence, and national service.

LANL belongs to the National Nuclear Security Administration (NNSA) affiliated with Department of Energy (DoE). LANL is the largest institution and the largest employer with approximately 9,000 full time employees (27 times larger than Korea Institute of Energy Research (KIER)) and around 650 contracted personnel. Additionally, there are roughly 120 DoE employees stationed at the laboratory to provide federal oversight of LANL's work and operations.

EI-K's ultimate goal is providing both countries with the best scientific and engineering solutions to many of the nations' most crucial challenges. It also is the goal of the EI-K to be the cradle of excellent researchers who will keep abreast of the research trends in the world. LANL plans new research projects together with the EI-K, and dispatches experts for the projects, so that the number of visiting researchers from LANL is always increasing. The EI-K is an Asian branch of LANL that attracts additional foreign

universities, domestic/foreign research institutes, and industries.

Major research fields include structural health monitoring, smart materials and structures, diagnosis and prognosis, nondestructive testing, composite materials and structures, signal and imaging processing, and so on,

The EI-K is developing a structural health management demonstrator using a subscale wing model of a fighter jet and test devices which were donated from Agency for Defense Development (ADD). The present high speed laser UPI system is an unit system which can be installed in the hanger, and the follow-up project is planned to increase system performance through technology developments in multiplexing that speed-up integration with the hanger, so that the final system can be expected to fulfil its real application for aerospace structures in 3 years.

- R&D: LANL develops technologies for energy harvesting, wavenumber processing and compressed sensing algorithms, and these results are used for structural health management devices developed from the EI-K. As of Nov., 2012, 11 researchers from LANL have stayed for 300 days.
- Education: A cooperative degree course with LANL turned out the first student in July, 2011.
- Service: International conference on advances in structural health management and composite structures (ASHMCS) (Co-chairs: C. Farrar, J R Lee, and S M Jun) and short course (Lecturers: J R Lee, C. Farrar, E. Flynn, M. Todd) every other year, and special issue publication in SCI journals (ACM, SAV, and JIMSS)

Obesity Research Center

• Director: Park, Tae Sun, Ph.D. Professor of Medicine

• Phone: 82-(0)63-270-4672, Fax: 82-(0)63-270-4673

The Obesity Research Center (ORC) was established in 2007. Recent changes of dietary life style due to economic development and westernization have decreased physical activity and lead to more meatintake, thus continuously increasing the number of the obese population. The purpose of this center is to undertake research and to operate programs for preventing and reducing obesity, and to eventually reduce its population ratio among citizens.

The ORC is the first institute in Chonbuk National University which is composed of various and broad majors such as follows, i.e. Medical Science, Nursing Science, Nutrition, Exercise and Statistics. In this institute, obesity research results are derived from the cooperation of various majors related to obesity. Various health management programs are available to the staff of school, students and other territorial residents.

Renal Regeneration Laboratory

• Director: Park, Sung-kwang, M.D. Ph.D. Professor

• Phone: 82-(0)63-250-1893, Fax: 82-(0)63-270-3907

The Renal Regeneration Laboratory has a wide range of research fields from clinical trials to animal

experimentation. Our major research goal is to investigate whether renal cells can be regenerated from acute or chronic kidney injuries that are triggered by various causes such as toxin, ischemia/reperfusion, sepsis, urethral obstruction, diabetes and hypertension. We also investigate endothelial cell biology, complication of chronic kidney disease and dialysis. We have received a research grant from National Research Laboratory Program, Ministry of Science and Technology, Republic of Korea in September 2004,

Research Center for Bioactive Materials

- Director: Hwang, Ki Jun, Ph.D. Professor of Organic Chemistry
- Phone: 82-(0)63-270-3577, Fax: 82-(0)63-270-4322

The Research Center for Bioactive Materials was founded in 1999 to promote research and education in the field of new pharmaceuticals and agrochemicals. Collaborations between individual research teams are so critical that the center is composed of three teams. The first team is involved in the generation of biologically active materials either by synthesis or by extractive work from the natural sources. The other two teams are devoted to the various screening efforts for the materials generated by the first team.

The center is involved in an international collaboration with the Quest Pharmatech company in Edmonton, Canada for the development of new anticancer agents. In addition to the research activities, it is also operating an inter-departmental graduate program for students who seek higher degrees. Due to our active research activities, the center was selected as an important central research center and consequently got financial support for 5 years by Korea Research Foundation sponsored by Korean government,

Research Institute of Bioindustry

- Director: Jung, Yong-Sup, Ph.D. Professor of Department of Food Technology
- Phone: 82-(0)63-850-0837, Fax: 82-(0)63-850-0834

The Research Institute of Bioindustry (RIB) was founded in 2000 to promote research and education in the fields of bioindustry which is significantly concerned with food, environmental pollution, and human health.

The main activities of the Research Institute are:

- To organize research seminars
- To sponsor individual and cooperative research
- To publish newsletters
- To conduct planned research activities.

The RIB consists of six cooperative divisions as follows:

- Division of Genetic Resources
- Division of Bioprocess and Bioengineering
- Division of Environmental Pollution
- Division of Bioenergy

- Division of Biofood
- Division of Bio-pharmaceuticals

Research Institute of Clinical Medicine

• Director: Park, Jong Kwan, MD. Professor of Urology

• Phone: 82-(0)63-250-1688, Fax: 82-(0)63-274-5546

The Research Institute of Clinical Medicine which was founded in 2000, is contributing to the development of medical science by carrying out research across various fields and doing so cooperatively with basic science in clinical field. To achieve its goal, the institute holds academic panel discussion, invitation lectures and conferences and also promotes study organizations, human resource interchange and an exchange of information. In order to respond to rapidly improving medical technology and the elevated quality of health and medical treatment seen globally, we will continue to conduct various study activities and take charge of mankind's health elevation as an outstanding medical research institute in Korea,

Research Institute of Human Ecology

• Director: Lee, Hyo-jin, Ph.D.

• Professor of the Department of Fashion Design

• Phone: 82-(0)63-270-3848, Fax: 82-(0)63-270-3799

The Institute of Human Ecology was established in 2004 to promote the quality of human life through research and outreach activities. This institute is focussed on four different areas: human nutrition, clothing, housing environments, and child and family life. The activities of this institute mainly use the facilities of College of Human Ecology. We provide community members with various outreach programs such as nutrition education, cooking and culinary, creativity enhancement programs for children, counseling on interior design, child and family counseling, and various academic workshops.

Research Institute of Physics and Chemistry RINPAC

• Director: Kang, Chan, Ph.D. Professor of Chemistry

• Phone: 82-(0)63-270-4488, Fax: 82-(0)63-270-3320

Founded since 2005, the Research Institute of Physics and Chemistry (RINPAC) has performed basic science research into physics and chemistry. The purpose of the institute is to research the fundamentals and applications of quantum and molecular materials, energy resources for the future and energy saving techniques. The institute also educates advanced students and works to develop public relations with general audiences. For this goal, six research teams and 22 faculty members participate, concentrating on

nano-bio environmental sensors, single molecules, catalysis, nano-bio materials, luminescent materials and energy for the next generation.

Science Culture Research Center

- Director: Lee, Eun-kyoung, Ph.D. Associate Professor, History of Science/Science Policy
- Phone: 82-(0)63-270-4319, Fax: 82-(0)63-270-4320

The Science Culture Research Center, established in 2000, is funded by the Korean Ministry of Science and Technology. Its main goal is to initiate and support science culture research, which has both academic and social significance. In order to promote the development of the research community, the center grants fellowships and opportunities for participation in research projects to post-doctoral researchers. As a result of those efforts, a network of researchers in science culture is forming and continuing to grow. The center also endeavors to propagate the outcomes of research projects to the public through seminars, forums, online newsletters, and its web site. Thereby the center fosters a public understanding of science and technology. It also supports research projects and activities of field scientists, science teachers, science journalists, which have relevance to the science culture of Korea.

Semiconductor Physics Research Center

- Director: Choi, Chel-Jong, Ph.D. Professor of Semiconductor Science and Technology
- Phone: 82-(0)63-270-3365, Fax: 82-(0)63-270-3585

The Semiconductor Physics Research Center (SPRC) was designated by the Korea Science and Engineering Foundation as one of the 13 research centers of excellence. The SPRC aims to be a leading center, playing at the forefront of research into, and teaching of, semiconductor science and technology through its programs of international cooperation, industry-university collaborations, and interdisciplinary graduate-undergraduate education. The SPRC performs many research activities involved in production, as an industry incubator or as a venture company in order to boost the local semiconductor industry.

There are six of main research categories: (1) light emission and detection devices such as LEDs and LDs, (2) electrical and optical properties of semiconductors, (3) quantum structures and nanostructure physics, (4) high temperature and high power devices and integrated circuits, (5) fabrication of semiconductor nanostructures and their applications, and (6) new materials and new functional devices for IT technology. Based on the fundamental research of semiconductors, the SPRC pursues the strengthening of capability and creativity in the development of future technologies by providing well-educated experts.

Meanwhile the SPRC has been operating the Semiconductor Process Technology Research Center (SPTRC) which was constructed as part of a national project for Semiconductor Infra-structure Innovation. The SPTRC provides its scientific and engineering services to enhance education programs, R&D efforts, and technology transfer activities. Most of facilities in the SPTRC focus on compound semiconductor LED/LDs, and optoelectronic devices, processes, measurements, and analysis technology. The SPTRC offers an

annual program for education, ECoS (Expert Courses of Semiconductors), to fulfill the industrial need for much more qualified human resources.

Science Research Institute

• Director: Kim, Hwan-gyu, Ph.D. Professor of the Department of Biological Sciences

• Phone: 82-(0)63-270-3574, Fax: 82-(0)63-270-3316

The Science Research Institute was established in 2012, in order to support the research mission of Chonbuk National University for each field of basic natural science. Its primary goal is to strengthen and enhance basic science research to a world-class level. The institute is made up of a dozen of research centers, with the institute acting as a coordinating body to bring these together and enhance interactions. Currently the institute is structured as 10 centers according to areas of study, ie. the Semiconductor Physics Research Center, Institute of Applied Statistics, Research Institute of Physics and Chemistry, Research Center of Bioactive Materials, Institute for Molecular biology and Genetics, Science Culture Research Center, Institute for Radiation Technology, Institute for Biodiversity Research, Institute for Sports Science Industry, and the Institute of Earth Environmental System Research Center. Activities in the institute are closely related to the departments of the College of Natural Sciences. The majority of the college faculty members are also joint research members of the institute. The institute is vividly seen supporting seminars, colloquiums, and domestic and international academic meetings. It supports more than 100 seminars and colloquiums every year and continues to be at the forefront of world-class innovative research.

Social Science Research Institute

• Director: Chung, Chul-hee, Ph.D. Professor of Sociology

• Phone: 82-(0)63-270-3586, Fax: 82-(0)63-270-3586

The Institute for Southeast Asian Studies at the Law College was established in 1968 and was later renamed to be the Social Science Research Institute in 1977. The Institute further incorporated the Institute of American Studies and Communist Block Studies in 1995. The major functions of the Institute are to facilitate theoretical studies, social surveys, and policy projects on politics, societies, cultures, and the like to further contribute to the scientific development of social science and its practical applications in our everyday lives.

The major activities of the Institute are:

- to study and develop social science theories and policies
- to research social phenomenon
- to offer public lectures and training courses
- to host symposia supported by the Ministry of Unification
- publish the 'Social Science Studies' journal

Speech Science Research Center

• Director: Kim, Hyun-Gi, Ph.D. Professor of French

• Phone: 82-(0)63-270-3196, Fax: 82-(0)63-270-3296

The Speech Science Research Center developed from the Phonetics Laboratory at the Foreign Language Education Center in Chonbuk National University. It aims to develop the foreign language intonation training program, to evaluate sounds, to study treatment methods, and to improve the integration analysis of sounds program.

The Speech Science Research Center's projects are the globalization of traditional Korean narrative song through digital recording, experimental study of dialect speech, and the development of treatment methods for patients with eating-disorders, aphasiacs and with neurological speech disorders, etc. The department is dynamic and there will be more interactive programs to anticipate in the near future.

We look forward to your support for the groundwork being done by the Speech Science Research Center for the development of the society.

The Art and Culture Research Institute

• Director : Lee, Hwa-dong, Professor, Dept. of Korean Music

• Phone: 82-(0)63-270-3612

The Institute of Arts and Culture at Chonbuk National University was founded on November 28, 1995 on the basis of the university's instruction No. 619.

The purpose of the institute is to enhance research on and contribute to the development of arts and culture, and to also cultivate the aesthetic mind of local residents. With such an aim in mind the institute has put in the utmost effort over the last few years to study creative, traditional and contemporary arts and culture, operate exhibitions and performances, carry out collaborative undertakings with the Educational-Industrial Institution of the University, and prepare seminars and events on Korean and foreign arts and culture,

Advanced College Education (ACE) Agency

• Director: Park, Sae-hoon, Ph.D. Professor, Educational Administration

• Phone: 82-(0)63-219-5252, Fax: 82-(0)63-219-5255

For the development of CBNU's undergraduate education, the Advanced College Education (ACE) Agency aims to establish leading models for undergraduate education based on the enhancement of basic academic capabilities. It builds infrastructure for advanced education through reformation of the university's structures and, in doing so, improves teaching & learning capabilities.

In order to develop foundation studies and core competencies, the agency nurtures 'Great People' through ensuring the internal stability and advancement of undergraduate education. Based on the above,

it aims to make CBNU Korea's representative university with high quality research and excellent academic results.

The agency works to establish a leading model for undergraduate education amongst regional universities and to create advanced systems & contents which can be augmented nationally and globally.

Advanced Graduate Education Center of Jeonbuk for Electronics and Information Technology-BK21

- Director: Park, Dong-Sun, Ph.D. Professor of Electronic Engineering
- Phone: 82-(0)63-270-4302 Fax: 82-(0)63-270-4304

The BK-21 project is funded by the Korean Ministry of Education, and the first-phase of the project began in 1999. For seven years, it enriched undergraduate education in Electronics and Information Engineering (EIE) at Chonbuk National University (CBNU). In 2006, the second phase began and over another seven years, we elevated our current graduate program in EIE to a world-class level. The intellectual manpower that emerges out of this program is essential to strategic industries of the Jeonbuk province.

The BK-21 project while fueling our EIE graduate program is helping local industries such as the automotive, agricultural, and multimedia industries, which are all embryonic industries in the Jeonbuk province. These three industries in particular, are strategic in the sense that they will keep the national growth engine running. Within the next seven years, our graduate program has the assignment to refining our global level so that we are capable of supplying the highest standard of research engineers to local industries. According to their research specialties and interests, our graduate students and faculty members are grouped into three different research teams "smart mobile-electronics", "smart agro-electronics", and "cultural media-electronics".

Basic Education Track for Wind Turbine and Offshore Structure

The Center for Wind Turbine and Offshore Structure, supported by the human resources development program of the Korean Ministry of Knowledge and Economics & the Korea Institute of Energy Technology Evaluation and Planning (KETEP), was launched in August 2011 as an education center based on the special tracks in both of the departments of Aerospace Engineering and Civil Engineering. The Center has a special focus on wind turbine and offshore structures and its main roles are adopting a newly developed curriculum which reflects the related industries. It is also building educational infrastructure: equipment for experiments, textbooks, and many programs which enhance employment opportunities. Eight companies and institutes including those from the Jeonbuk province participate in this project for effective improvements to education programs. Scholarships and certifications are granted to students who fulfill the specified criteria.

Buan Regional Innovation System Center

- Director: Lee, Yang-Soo, Ph.D. Professor of Wood Science & Technology
- Phone: 82-(0)63-270-4083, Fax: 82-(0)63-270-4084

The Chonbuk National University Buan Regional Innovation System Center, chosen by the government, is contributing to the economic growth of region by promoting the mulberry industry and marine tourism in Buan. We work to export diverse mulberry products to overseas markets and have exported mulberry wine and mulberry tea leaves to China, Japan and Southeast Asia.

Mulberry is an incredibly valuable product, the branches, leaves and berries of mulberries can be made use of and according to Donguibogam, mulberry leaves particularly control diabetes and mulberries have a strong antioxidizing effect. It is proven that mulberry leaves have much DNG, a diabetes controller and a mulberry is rich in C3G, an antioxidant. The clean tea from mulberry leaves made in our Center has 10 times as much of the blood pressure lowering substance found in green tea and in particular, our tea offers excellent benefits for dieting.

Business Incubator (Start-up)

- Director: Kim, Cheo-Sang, Ph.D. Professor of Mechanical Design Engineering
- Phone: 82-(0)63-270-4256, Fax: 82-(0)63-270-4257

The Business Incubator Center was opened in 1998 and works to encourage the development of new growth fields of new technology: electronics, memory card optronics, food, biological science and green-businesses through small and medium business administration support.

The center is a founder of technology through the development of new industries and through support for the advancement of industrial infrastructure. By doing so, we are contributing to employment in the local region, creating jobs for young people and supporting the continued growth and development of newly founded business through Business-Solution services.

Presentations to students and the public help prepare for the establishment and spread of start-up information and education through the encouragement of entrepreneurial minds.

CBNU e-Learning Center in Jeonbuk Area

• Phone: 82-(0)63-270-4279, Fax: 82-(0)63-270-3935

The Chonbuk National University e-Learning Center, led by the Ministry of Education, Science and Technology, takes the lead in e-Learning for higher education. This center is the education hub of the Jeonbuk area and is responsible for the development of e-Learning and for the operation of LMS (Learning Management System).

Chonbuk National University e-Learning Center enthusiastically takes every effort to spread e-Learning

and to construct infrastructure with joint projects for developing content and making available credit interchange through agreements between universities that aim to reinforce provincial education competitiveness.

Also, it operates a system of credits that can be earned during military service. It has constructed an e-studio that develops e-Learning content smoothly and supports operations to enable effective study management for students, by allowing them to load content through LMS.

Furthermore, the center sets a goal of balancing the education between universities and provinces, and it develops the human resources necessary in fostering local strategic industries. Chonbuk National University e-Learning Center will take the lead in the e-Learning education industry by setting solid foundations and guiding the future of global e-Learning education services.

Center for Environmental Resource Analysis and Certification

- Director: Jin-Ho Lee, Ph.D. Professor in Department of Bioenvironmental Chemistry
- Phone: 82-(0)63-270-2545, Fax: 82-(0)63-270-4829

The Center for Environmental Resource Analysis and Certification (ERAC) was established in 2008 with strong financial support from the Jeonbuk Provincial Government and Chonbuk National University. The center seeks to research and investigate various aspects of the different hazardous/toxic materials, such as pesticides and heavy metals, that are found in agricultural and forestry products and in soils. It is also appointed as center for the different types of testing and/or as a certification institution by the relevant ministries of Korean government. This makes us an Agricultural Pesticides Item Registration Test Institution and a Fertilizer Test Institution recognised by the Rural Development Administration (RDA) in Ministry of Agriculture; a Forestry and Livestock (MAFL), Agricultural Products Safety Inspection Institution and Environmentally-friendly Agricultural Products Certification Institution, and we are also a Good Agricultural Practices (GAP) Certification Institution accredited by the National Products Quality Management Service (NAQS) in MAFL. With such important work and contributions, the center attempts to be the best institute of research, investigation, testing, and certification for agricultural and forestry products, soils, and other environmental resources.

Center for Healthcare Development Technology

- Director: Kim, Hak-yong, Ph.D. Professor of Textile Engineering
- Homepage: http://healthcare.chonbuk.ac.kr
- Phone: 82-(0)63-270-4463, Fax: 82-(0)63-270-4464

The Center for Healthcare Development Technology was established to secure source technologies, lead the creation of future industries in healthcare, and assure a balanced development of the research-centered university,

Since its establishment on October 2004, the center has laid emphases on the development of research and human resources. It has been accomplishing healthcare related projects requested by regional

industrial companies for the development and industrialization of healthcare instruments, nonfat and nano-fiber materials, natural materials, and u-healthcare fusion technology. The center has made a significant contribution including 48 technology transfers and services, 25 commercialized products, 249 patent applications, 110 patent registrations, 385 SCI papers, and 224 non-SCI papers.

Center for Cooperation of Small & Medium Industry

- Director: Kang Sung-Jun, Professor Division of Mechanical System Engineering
- Phone: 82-(0)63-270-3579, Fax: 82-(0)63-270-3580

The Cooperation Center for Small & Medium Industry (CCSMI) was founded in 1996 for the improvement of technology and the regional economy through collaborations between the university, industry and the provincial office. The CCSMI consults on technical problems and the development of new commercial products. Also, the CCSMI coordinates the Chonbuk Regional Center of the Korea Institute of Industrial Technology (KITECH) and supports the Business Incubation Center. The Main activities of the Center are as follows:

- a) Involvement with the Industry-University Research Center Consortium: 144 research projects have been funded since 1993 with 19 patents issued or pending. In addition, many prototypes have been designed alongside renovations for existing designs which have been produced.
 - 28 different technical educations and seminars
 - Technical consulting on problems for small & medium regional industries
 - Funding for short term industry-university cooperative research.
 - Funding support for the business foundation incubator
 - Seminars on business foundation
 - Classes for candidates of business foundation
 - Seminars on the regulations of venture enterprise development
 - Seminars on multimedia development
 - Seminars on internet business
 - Seminars on using information in 21st century business
 - Seminars on the TBI (Technical Business Incubator) project
 - b) BI (Business Incubator) and TBI activities:
 - Twelve business incubator groups are working, currently supported by government (SMBA)
 - Laboratory support of the business incubator for professors and students

Chonbuk Wildlife Rescue & Conservation Center

- Director : Lee, Hae Beom DVM, M.S, Ph.D Professor of Wild Animal Medicine
- Homepage : http://wildlife.chonbuk.ac.kr
- Phone: 82-(0)63-270-3841, Fax: 82-(0)63-270-3779

Lots of wild animals have been existing in danger in Chonbuk province, Korea. The region has already

lost many species to extinction and many more remain seriously endangered. The main reasons for this risk come from human causes: destruction of habitat, road construction, poaching and environmental pollution. Every year, nearly 1,000 injured and orphaned animals are brought to our wildlife rescue and conservation center from across the chonbuk province.

Our center provides injured and orphaned wildlife with medical treatment and rehabilitation. The final goal of the center is returning recovered animals back to nature. This in turn, contributes to preservation of Chonbuk's ecosystem. We also educate hundreds of children and adults through our on and off-site education programs such as our wildlife veterinarian for 1 day, wildlife ecology program for the youth, and various other types of volunteering activities all around the year. Many veterinarians and wildlife ecologists participate in the running of Chonbuk Wildlife Rescue & Conservation Center (CWRCC). They are organized into 5 departments, (1) General Affairs, Science Resource, and Education Department, incharge of administrative services for scientific meetings, campaigns and education for the public, children and students, and international cooperations; (2) Reproductive Research Department, in-charge of animal acquisition for captive breeding, research on wild animal reproductive physiology and assistance with reproduction techniques; (3) Wildlife Health Science Department, in-charge of wildlife clinical research, pathology and preventive medicine; (4) Husbandry Research Department, in-charge of wildlife physiology, ecology, behavior, husbandry, exhibit design and environment research; and (5) Genetics and Biochemistry Department, in-charge of the captive animal registry, study books, genetics, hormonal treatments, and biochemical research. Each department is composed of professors and researchers affiliated with the College of Veterinary Medicine, Chonbuk National University, Chonbuk Wildlife Rescue and Conservation Center, and other institutions.

Cost Analysis Center

- Director: Shim, Kab Yong, Ph.D. Professor of Business Administration (Accounting)
- Phone: 82-(0)63-270-4818, Fax: 82-(0)63-270-4693

The Cost Analysis Center's principal mission is to provide a professional service of costing and cost estimation for firms, non-profit organizations and the government. The Center also supports academic research and projects. The major works accomplished in this center are as follows: Manufacturing Costing, Construction Costing, Costing of Academic Research, Costing of Construction of New Technology, Providing costing services for small to mid-sized businesses by Small Business Innovation Research, Costing of Other Services and Other Costing Work.

Future Professional Process of Agricultural Managers, Agricultural University

- Project manager: Prof. Nag Jin Choi (Ph.D. in Animal Nutrition)
- TEL: 82-(0)63-270-4811

The empowerment and education support projects of the Agricultural University and by the MIFAFF (Ministry for Food, Agriculture, Forestry and Fisheries) for students specializing in animal, Horticulture

and agricultural areas has been conducted since 2007. The Future Professional Process of Agricultural Managers, Agricultural University is a promotor of students who want to advance in Agribusiness after their graduation. Therefore, the customized training empowerment support programme has been performing in 4 key educational areas including practical application, employment, ventures and consultants with various educational methods used such as theory, discussion, practice and experience etc. Also, this programme is very important in producing preliminary agriculture manpower with its practical education course closely related to industry.

Global Trade Experts Incubating Program (GTEP)

• Director: Yoon, Chung Weon, Ph.D. Professor of International Trade

• Phone: 82-(0)63-270-4169

The Global Trade Experts-incubating Program (GTEP) was established by several government agencies and academic institutions which include the Ministry of Knowledge Economy, the Korea International Trade Association (KITA), the Chonbuk Provincial Government, Jeonju City Hall, and Chonbuk National University, to produce global trade experts, assist international trade operations, and contribute to a trade expansion of small and medium scale enterprises within the Chonbuk Province and the Jeonju City area. The program also aspires to reduce the unemployment problem among today's youth by engaging students in more activities.

In order to achieve this, the GTEP of Chonbuk National University teaches theory and practice of international trade and participates in various kinds of local and international trade exhibits. It also provides its business partners all kinds of international trade operation services for free, such as overseas market research and buyers search, sales contract, trade payment, transportation and ocean insurance contract consulting, packing, e-trade practice, foreign exchange risk management, principal shipping documents formating and writing, trade claim settlement, interpreting and translating and so much more.

Haneul Project (High-tech aviation educational course)

• Homepage: http://haneul.jbnu.ac.kr/

• Phone: 82-(0)63-270-4572, Fax: 82-(0)63-270-2472

The aviation development project, Chonbuk National University supported by the Ministry of Land, Transport and Maritime Affairs specializes in supporting graduate students in the development of efficient aerospace technology. This agency specializes in the field of MRO (Maintenance, Repair and Overhaul) and performs the following main tasks:

- Scholarship programs for graduate students
- Domestic and overseas experts invited to provide seminars
- International internships (at leading research institutions, industry, etc.)
- Domestic industrial tours and industrial-research (KARI, ADD, KAI, KAL, DACC, etc.)

Through verification of aviation expertise by the Ministry of Land, Transport and Maritime Affairs, a certificate is awarded to students who have completed a training course prescribed by this Agency. Domestic and international internships and international exchanges in related fields are also supported in enabling students to have the best opportunities. Domestic and foreign employment opportunities after graduation are available and candidates are eligible to apply for a doctoral degree program and perform joint research which provides a variety of career opportunities.

The main goals of Human Resource Training Project (2009 ~2013) are as follows:

- Train 150 technical personnel with Master's degree in aerospace engineering
- Develop state-of-the-art aircraft designs and professional manpower in the field of MRO
- Develop the aerospace education research base in co-operation with Saemangeum

High-enthalpy Plasma Research Center

- Director: Hong, Bong Guen, Ph.D. Professor
- Phone: 82-(0)63-270-3525, Fax: 82-(0)63-270-4861

The construction project for the high-enthalpy plasma research center was supported by the Korea Ministry of Education, science and Technology and was completed in Wanju-gun, 2011.

Our center is comprised of 4 high enthalpy plasma facilities that enable the testing of materials under extreme environments, high temperature material development, nano powder fabrication and plasma spray coating technology. Typical application areas include semiconductors, displays, new materials, energy, aerospace, etc. Our facilities include:

- Supersonic Plama Wind Tunnel Facilities
- Power class: 400kW-class, 2,4MW class
- Purpose : High temperature material research
- Plasma Average enthalpy: over than 20Mj/kg@ air flow 0.05kg/s
- RF(ICP) Plasma Facilities
- Power class : 60kW-class, 200kW-class
- Purpose: Nano material research, Plasma spray coating

Researching the high-enthalpy plasma is a multidisciplinary science field. Seven Professors specializing in plasma physics, electric engineering, aerospace, and mechanical engineering are participating in this project.

IC Design Education Center

- Homepage: http://idec.chonbuk.ac.kr
- Phone: 82-(0)63-270-4268, Fax: 82-(0)63-270-4270

The Chonbuk National University regional Intergrated-chip Design Education Center (IDEC) provides a

quality education to young people who are ready to work in semiconductor design companies by direct professional training from IC design experts from universities, semiconductor design companies, and research institute.

The education program has earned the support of homologous funds and the expensive Computer Aided Design(CAD) tools of Jeollabukdo, Chonbuk National University, and the IDEC head office(Ministry of Commerce, Industry and Energy).

Chonbuk Silicon-valley Education Center (CSEC) has a 19 month, long-term special education program that includes the whole process of IC design from the theories of operation to the design, implementation and measurement for college students in Jeollabukdo. Besides, CSEC provides concentrated education programs through the additional short term courses.

Industry, University & Government Coupling Center (Advanced Materials and Parts)

- Director: Kang, Chaedong, Ph.D. Professor of Mechanical Engineering
- Phone: 82-(0)63-270-4680, Fax: 82-(0)63-270-4681

In order to create more profitable jobs and to cultivate Jeollabukdo industries, the Industry, University & Government Coupling Center(IUGCC) at Chonbuk National University, works to improve the strong relationships between CBNU and Jeollabukdo industries. It was established by the Department of Polymer-Nano Science and Technology and the Department of Mechanical Engineering in 2007. The IUGCC has developed many tailor-made education programs through team-teaching with experts from industries. Furthermore, professors and students from CBNU, together with researchers from industry, have solved many problems faced in real industrial fields. The IUGCC will continue to build strong networks among Jeollabukdo industries, CBNU, and the Jeollabukdo government, in order to make industries more robust and to create jobs.

Innovation Center for Engineering Education (ICEE)

- Director: Chung, Jin-Gyun, Ph.D. Professor of Division of Electronic Engineering
- Phone: 82-(0)63-270-3684, Fax: 82-(0)63-270-3689

Established in 2007, the objective of the ICEE is to prepare all engineering students to be leaders in an increasingly complex and technology-driven society. The mission of ICEE is to develop an advanced engineering education platform by 4B (Basic, Brand, Business and Bridge) engineering. The ICEE is closely cooperating with CBNU's engineering departments to provide an ABEEK (Accreditation Board for Engineering Education of Korea) accredited engineering education. The center collaborates with various non-engineering departments such as the Dept. of Economics and the Dept. of Physics, to provide students with broader understanding of the global economic environment and cultural forces. The center develops and supports a broad set of opportunities for students which includes courses, lectures, internships, engineering projects and multidisciplinary courses, helping them develop an understanding of technology in its full societal context. The explosive growth and influence of technology demands a

new standard of engineering education. The center will achieve this goal by:

- Broadening and strengthening the first-year curriculums including level-based classes
- Developing engineering-wide courses & programs (leadership, innovation, etc.)
- Developing close relationships and practical programs with industry
- Fostering international and community-based programs

Jeonbuk Hanwoo Sanhakyeon Cooperation

- Director: Na, Chong-Sam, Ph.D. Professor of Amimal breeding
- Phone: 82-(0)63-270-2607, Fax: 82-(0)63-270-2614

The Jeonbuk Hanwoo Sanhakyeon Cooperation is involved with activities for the development of the beef industry.

The cooperation is a technology based professional committee consisting of experts in many fields. It is involved in a variety of activities, including onsite consultation and farmers training, workshops, seminars, and research that improves farm income.

The Jeonbuk Hanwoo Sanhakyeon Cooperation consists of 32 technical/professional members and 30 farmhouse members and provides online or offline real-time consulting.

Jeonbuk Jeonju Alcohol Counseling Center

• Director: Myeong Sook Yoon. MSW, Ph.D. Professor, Dept of Social Welfare

• Homepage: http://www.jalcohol.org

• Phone: 82-(0)63-223-4567~8

The Jeonbuk Jeonju Alcohol Counseling Center was established in 2002 with the support of the Ministry of Health and Welfare and Chonbuk National University. The center provides rehabilitation services for alcoholics and problem drinkers, and supports alcoholics and their families in the recovery process by providing counseling services and precautionary education. The center was established for the early detection of alcohol related problems in order to reduce the risk of drinking problems, to improve the healthy drinking culture and to foster a healthy society.

Jeonju Healthy Family Support Center

• Homepage: http://jeonju.familynet.or.kr

• Phone: 82-(0)63-231-0182, Fax: 82-(0)63-231-0186

The Jeonju Healthy Family Support Center, run by Chonbuk National University, was established in September 2009 following the basic code for healthy families. The Center is the major integrated delivery

system of family welfare policy that the Korean government has pursued since 2004 in order to prevent family problems and to enhance the strength and the healthiness of various family types. The Center has provided various family programs and services including family life education across the different stages of life span, family counseling to treat individual and family problems effectively, and family cultural activities such as cooperative activities (Pumasi), cooperative child care places, and family-unit volunteering activities. Empowering various types of vulnerable family (i.e. single parent family, unmarried parent family, elderly family, remarried family, grandparents living with their grandchildren) has been the major focus of the Center. One of the major services of the Center has provided is a childcare service at home by professional caretakers. The staff of the Center are all professionals in the area of child and family studies or of social work. The various and affluent humane and physical resources of Chonbuk National University have been a great support for the Center and has made the services of the Center rich and productive.

KOCED Wind Tunnel Center

- Director: You, Ki Pyo, Ph.D Professor of Architectural Engineering
- Phone: 82-(0)63-270-4057, Fax: 82-(0)63-270-4814

The KOCED (Korea Construction Engineering Development) program was launched by the Korean Ministry of Land, Transport and Maritime Affairs. It was designated as a Wind Tunnel Center in 2004 and was completed in early 2009. The KOCED Wind Tunnel Center as a part of the KOCED Program provides a platform for performing wind engineering experiments. The wind tunnel is mainly applicable to solving wind induced problems related to natural atmospheric boundary layer flow.

Research Areas

- 1. Civil
- Aerodynamically sensitive long span bridges
- Flexible slender structures
- 2. Architecture
- High rise buildings
- Long span roof systems
- Cladding pressures and structural wind loads
- 3. Environment
- Pedestrian comfort
- Air quality and exhaust dispersion
- Natural ventilation and indoor airflow
- 4. Industry
- Ground transportation
- Industrial facilities
- Sports equipment and activities
- 5. Energy
- Wind power energy
- Energy efficiency of facilities

LED Agri-bio Fusion Technology Research Center

- Director: Hong, Chang-Hee, Ph.D Professor of Semiconductor Science and Technology
- Phone: 82-(0)63-850-0756, Fax: 82-(0)63-850-0761

The LED Agri-bio Fusion Technology Research Center has endeavored to nurture new domestic industries and to improve its international competitiveness by creating various new technologies through the fusion of the LED industry with other diverse industries. In particular, the goals of our center are to lead in the policy for promoting new growth industries as set forth by government, to prospect for new green growth industries, and to create new industry paradigms such as LED Plant Factories with developed convergence technology. By doing so, we will continue to improve our enormous capacity for research and infrastructure. We will do our best to fulfil the future Agri-bio industry.

Local Digital Media Center (LDMC)

- Director; Na, Misu, Ph.D. Professor of Department of Mass Communication
- Phone: 82-(0)63-270-3498, Fax: 82-(0)63-270-2809

After the Local Digital Media Center (LDMC) was launched as the regional university's specialization business in 1998, the Local Digital Media Center (LDMC) was designated by the Korea Creative Contents Agency (KOCCA) as a business of HDTV production support, a title which applies to three universities across the country. The Local Digital Media Center (LDMC) is performing the role of the HD professional production and education center for the Honam area,

The Local Digital Media Center (LDMC) is divided into the Video Production Business department and the Operations Management department. It takes charge of the overall business of video production, facility and equipment management. In addition, the Local Digital Media Center (LDMC) is responsible for video production as well as professional research and planning.

Especially, for the invigoration of the video industry, the Local Digital Media Center (LDMC) performs a role as a technology center, fostering human resources and offering information and production, for the local community.

Since 1999, the Local Digital Media Center (LDMC) has operated double majors of the video industry directly and continuously conducts education about the latest video production technologies required for the practical tasks of the broadcasting industry.

Namwon Lacquer Regional Innovation System

Director: Oh, seung-won, Professor of Wood science
Phone: 82-(0)63-270-2626, Fax: 82-(0)63-270-2631

The Namwon Lacquer Regional Innovation System was established in 2012 with the support of the Ministry of Knowledge Economy and Namwon-City.

Namwon features wooden crafts that are aroma-rich, well-shaped, well-refined, and sturdy. They include mostly bowls for monks and sacrifice rituals. Also, our traditional, natural lacquered wooden crafts (painted repeatedly six to seven times) feature quality colors and excellent durability and fire resistance.

This allows the lacquer to sink into the wood, giving it an elegant gloss. The process is finished by a strict selection process of the crafts well finished with lacquer.

If the industrialization of lacquer succeeds, it will bring a big economic impact to the region and to the nation,

The major interests of the Iinstitute are:

- Product Development
- Marketing
- Training
- Business Support

Poultry Management Consulting Service & Research Center

- Director: Ryu, Kyeong Seon, Ph.D. Professor of Poultry Science
- Phone: 82-(0)63-270-4664, Fax: 82-(0)63-270-4649

The Poultry Management Consulting Service & Research Center aims to provide technical & managemental consulting services for poultry farmers in the Jeonbuk province. It also plays a role in increasing the income of poultry farmers. The center consists of 30 faculty members, officials, specialists and researchers and its purpose is to develop new brands related to chicken and its products.

Research Center for Development of Plants for Production of High Value Proteins

- Director: Yang, Moon Sik, Ph.D. Professor of Molecular Biology
- Phone: 82-(0)63-270-3339, Fax: 82-(0)63-270-4334

The Research Center for Development of Plants for Production of High Value Proteins, which was founded to develop transgenic plants producing pharmaceutically and commercially important proteins. It also aims to improve the plant expression system for increased expression levels of foreign genes, for the humanization of glycosylation patterns and for the improvement of immune responses in intestinal mucosal immune systems.

Research Center for Industrial Development of BioFood Materials

- Director: Jeong, Yong-seob, Ph.D. Professor of Food Science & Technology
- Homepage: http://www.biofood.re.kr
- Phone: 82-(0)63-270-4343, Fax: 82-(0)63-270-4344

The Research Center for Industrial Development of Bio-food Materials was established under the support from the Ministry of Knowledge Economy in Jeollabuk-do, Chonbuk National University and other related food companies. The major works accomplished in this research center are as follows: the screening of bio-active materials from plants, animals, and microorganisms, and their application to food industries; the development of bio-active materials and their commercialization; improved efficiency in technological development and the enabling of industries through industry-university-institute collaborations; education and the supply of specialized man-power necessary for regional industries; trouble shooting in the regional food industry and the suggesting of profit-producing guidelines to that industry; and the marketing support needed for the expansion of market share and the profit maximization of the local food industry.

Science Education Institute for the Gifted

• Director: Lee, Kukhaeng, Ph.D. Professor of Analytical Chemistry

• Phone: 82-(0)63-270-3603, Fax: 82-(0)63-270-3604

The Science Education Institute for the Gifted (SEIG) was established in 1998 to provide an advanced education for gifted students in the Jeonbuk Province. The main objective of the institute is to identify and educate gifted students in the field of mathematics and science.

Since its inception, SEIG has consistently endeavored to teach inquiry and problem solving skills and to assess the adept potential of applicants in their entrance to the university's education programs.

The SEIG three-stage model is a general framework for program and curriculum development for the education of gifted students. At the program level, the model proposes the following requirements: a) basic training, b) enriched training, and c) mentorship training.

In selecting potential future leaders who are well-endowed with skills and knowledge, three important factors are considered. Intelligence, creativity, and wisdom are amalgamated so that they work together effectively. This is to ensure the efficiency of their work.

Seoul Accord Activation Center

• Director: Kim, Youngchon

• Phone: 82-(0)63-270-2347, Fax: 82-(0)63-270-2394

The Seoul Accord is a multi-lateral mutual-recognition agreement among agencies responsible for the accreditation or recognition of tertiary-level computing and IT-related qualifications. Under the initiative and leadership of six Founding Signatories - ABEEK (Republic of Korea), ABET Inc. (USA), ACS (Australia), BCS (United Kingdom), CIPS (Canada) and JABEE (Japan) - the Seoul Accord was launched on December 6th, 2008.

The Seoul Accord Activation Center of Chonbuk National University has been funded by the Korean Ministry of Knowledge Economy since 2010 and the support is planned to continue until 2016. Through this center, our students can get unparalleled financial and educational opportunities. Our curriculum

covers all topics related to the design and implementation of computer systems including hardware and software. It provides knowledge of theories and key concepts and programming skills for diverse environments through class projects, group seminars, and internship programs with industrial companies.

Si-Solar Cell Center for R&D Manpower Education (SSCC)

• Director: Yang, O-bong, Ph.D. Chemical Engineering

• Phone: 82-(0)63-219-5208~9

The Si-Solar Cell Center for R&D Manpower Education (SSCC), launched in November 2010, is a five year project supported by the human resources development program of the Ministry of Knowledge Economy (MKE) & the Korea Institute of Energy Technology Evaluation and Planning (KETEP).

The goal of this center is to train Master's and PhD students in the advanced and special education of solar energy with the Department of Solar Energy Engineering.

SSCC cooperates with the leading companies in the solar industry such as OCI, KCC, Nexolon, Woongjinenergy, HankookSilicon, with foreign universities (Osaka Univ. Japan, Goethe Univ. Frankfrut, Germany) and with other institutes (Fraunhofer Institute for Solar Energy System, ISE, Germany).

The Chinese Old Classical Books Graduate School of Translation Promotion Agency

- Director: Kim, Eun Hee, Ph.D. Professor of Chinese literature
- Phone: 82-(0)63-270-3174, Fax: 82-(0)63-270-3174

The Chinese Old Classical Books Graduate School of Translation Promotion Agency was established in 2006. This organization cultivates talented individuals who can translate Chinese classic literature into Korean as well as culture and ideology. They will provide professional management of the traditional cultural arts and pave the way in the creation of new cultural arts and humanities studies for the 21st century.

The New & Renewable Energy Material Development Center

- Director: Kim, Chong-Yeal, Ph.D. Professor of Physics
- Phone: 82-(0)63-580-1500, Fax: 82-(0)63-581-9575

The New & Renewable Energy Material Development Center, funded by the "infrastructure development program of industrial technology" of the Ministry of Knowledge Economy, Industry, and Energy, is conducting research projects and other related activities on the development of core materials in new and renewable energy. The purpose its projects are in part to build a cooperative research system between universities, industries and government-supported research institutes.

In addition, we are also working to support many corporations in the field of new & renewable energy.

Top Brand of Jangsu-gun's Omija

- Director: Lee, Kang-Soo, Ph.D. Professor of Crop Production and Technology
- Tel: 82-(0)63-270-4236, Fax: 82-(0)63-270-4595

The medicinal herb research center was established in 2003 with a scope of contributing to the activation of the agro-industry of medicinal herbs.

Water Environmental Research Center

- Director: Chung, Paul-gene, Ph.D. Professor of Environmental Engineering
- Phone: 82-(0)63-270-2442, Fax: 82-(0)63-270-2443

The Water Environmental Research Center, which was established in 2005, seeks to do research about various types of water pollution and about water quality management. All types of water including drinking water, reservoirs, ground water and wastewater are analyzed in this center.

In 2005, WERC was appointed as the "Water Quality Test Institution of the 51st Drinking Water" by the "National Institute of Environmental Research (NIER)" in the Ministry of Environment, Chonbuk National University has an agreement with the Jeollabukdo Office of Education for test implementation of drinking water in all schools and education offices located in the Jeollabuk province. Our center is implemented this agreement which be maintained for 10 years as of 2005.

WERC is attempting to become the best water quality research center and water quality test & analysis institution in Korea

WCU Program for Development of New Paradigm for BIN Fusion Technology

- Director: Lee, Seung Hee, Ph.D. Chair of Dept. of BIN Fusion Tehonology
- Phone: 82-(0)63-270-4434, Fax: 82-(0)63-270-4254

We aim to carry out comprehensive multidisciplinary research that develops breakthrough BIN fusion technology for bioorgans, biodiagnostics and nanotherapeutics through the combination of biotechnology, information science and nanotechnology.

The program includes 5 foreign scientists and 6 domestic and ultimately, we will strengthen the national competitiveness in the future BIN fusion industry. We work to obtain original platform technologies in the field of BIN fusion technology, in which the level of Korea is very close to that of developed countries and we provide breakthrough research in nurturing the high-quality human resources and educated manpower that is needed in BIN industries to facilitate the future development of nation. We aim to carry out comprehensive research and develop all areas of BIN fusion technology from new functional materials synthesis to effective applications in multidisciplinary areas, through the combined efforts of the participating international team of researchers. Three research thrusts for a multidisciplinary and systematic research will be conducted based on synergistic collaboration.

Nurturing BIN fusion technology-based industries provides value-added products and remarkable benefits nationwide and we do so with self-confidence and a globalization sprit.

▶ Participating Scholars

No.	Name	Section	Major field of study
1	Robert M. Nerem	Foreign	Stem Cell Engineering
2	Paul M. Vanhoutte	Foreign	New Drug Development & Biosimilar Drugs
3	Peter M. Kang	Foreign	iPS for Cardiovascular Application & Bioimaging
4	Alan Kin-Tak Lau	Foreign	Bionano Composites
5	Shin-Woong Kang	Foreign	Bioliquid Crystal
6	Joonghee Lee	Korean	Bionano Composites
7	Seung Hee Lee	Korean	Bioliquid Crystal
8	Yoon-Bong Hahn	Korean	Bio-nanosensor
9	Yeoung-Sang Yun	Korean	Bionanomaterials & DDS
10	Cheol-Jong Choi	Korean	Cell/Semiconductor Integration
11	Dongwon Lee	Korean	Biopolymer and Material

▶ Main Research/Education Content

5 Foreign scholars were invited to CBNU in order for the WCU project to be made a process for Co-Research (there is no plan to establish educational subjects for the first year of WCU). The research groups will be divided into three subteams, (i) BIN fusion team: Bioartificial Organ Technology, (ii) BI fusion team: Biodiagnostics Technology, and (iii) IN fusion team: Nanotherapuetics Technology.

The BIN fusion team will be carrying out research on vision neural/spinal cord regeneration, artificial cardiac patches, and bioorgans using stem cells and nanohybrid scaffolds. The BI fusion team will be performing research on the development of biodiagnostics using technologies of biocrystals, biosensors and bio nanostructured arrays. The IN fusion team will be focusing on nanotherapeutics using nanocomposites, drug delivery systems, metallic nanoparticles, protein purification and bioimaging.

Woman Student Career Development Center

• Director: Yoon, Myeong Sook, Professor, Dept of Social Welfare

• Phone: 82-(0)63-270-4549, Fax: 82-(0)63-270-4126

The Women Student Career Development Center was established on July 16, 2003 in order to promote the career growth and development of female students in the university. The center aims to increase the employment rate of female students, assist their career development, and elevate the status of women in society.

World Class University Project (Type 2)

- Director: Lee, Moon Ho, Ph.D. Professor of Electronic Engineering
- Phone: 82-(0)63-270-2463, Fax: 82-(0)63-270-2461

The World Class University Project (Type 2: Space Time MIMO-OFDM Coded Cooperative Wireless Networks) was started in 2009 and is supported by the Korean government (Ministry of Education, Science and Technology Development). Our research proposal is to develop a performance study framework and implement it for MIMO-OFDM space-time coded cooperative-cryptography in wireless networks. In this work, we focus on leveraging cooperation for resource allocation among cooperative nodes with the ultimate goal of increasing system performance and security in wireless Mobile Ad Hoc Networks. The proposed cooperative topology in this project is assumed to be multi-tone orthogonal frequency division multiplexing (MT-OFDM) - based network employed space-time codes. Four main important performance merits are being optimized to achieve reliable communication; namely, high data transmission rates, longer battery life, extended coverage range, and security in networking. The total OFDM sub-carriers will be divided among different nodes in the cooperative network with the objective of optimizing resources between different nodes,

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