

# UNDERGRADUATE FACULTIES

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## Faculty of Humanities

Although they cover a wide range of fields, the humanities are dedicated to exploring this fundamental question: what does it mean to be a human being. In the Faculty of Humanities, we approach this question from a broad range of academic perspectives, including those of the fields of sociology, psychology, anthropology, language, literature, art, philosophy, education and clinical psychology.

### Department of Culture

The Department of Culture aims at providing its students with a comprehensive, multi-faceted understanding of human beings and cultures. Students study the methods of cultural analysis from multiple perspectives, including those of philosophy, religion, sociology, psychology, cultural anthropology, geography and art history. The goal of the Department is to produce graduates who have broad cultural perspectives and highly developed problem-solving skills and are thus able to contribute to society. To achieve this goal, members of the Department's teaching and research staff come from a wide range of disciplines, including philosophy, religion, sociology, psychology, cultural anthropology, geography and art history.

Students learn the basic skills of cultural analysis in their first year. Then, from the second year on, they decide the course of study they will pursue by choosing from a range of seminars covering an array of fields. This curriculum is offered in accordance with the Department's belief that in this age of specialization and the increasing subdivision of knowledge, society needs people who have the ability to make accurate judgments based on an integrated and holistic interdisciplinary approach.



### Department of History

Northern Kyushu has played a crucial role in Japanese history as the gateway through which cultural influences have flowed into Japan from China and the Korean Peninsula since ancient times and, in modern times, through its long-standing and deep relationship with Europe. Drawing on this rich historical heritage, the Department of History was established in 1987 as the only department among the private universities in Kyushu dedicated solely to the study of history. The aim of the Department is to offer historical education from both regional and international perspectives.

In the first year, students study a wide range of historical themes and approaches. Then, in their second year, they may choose from among the four majors offered: Archaeology, Japanese History, Asian History or Western History. In their final year, students write their graduation theses. Students are free to take courses for majors other than their own. Careers students enter after graduation include high school teaching, excavation engineering and museum curatorship. Many students find their way into state and local government service or enter the general business community, embarking on careers in mass communication companies, travel agencies and other local and national enterprises.



## Department of Japanese Language and Literature

Students of this Department study Japanese language and literature in a unique curriculum that brings together traditional and more recent comparative and interdisciplinary approaches. Emphasis is laid, for example, on exploring and understanding Japanese language and literature through comparison with those of foreign countries, rather than viewing them from a narrow, isolated standpoint, which is why there is a comparative literature course. Seminars in research methodology and techniques for the linguistic and literature fields provide students with essential research skills. Moreover, in order to deepen students' understanding of language and literature, the Department also offers classes focusing on regional cultures and dialects.

In their third and fourth years, students work in seminars they have chosen based on their own interests, deepening their knowledge in these areas and engaging in research for the graduation theses required for graduation. The optional Japanese language teaching course opens the way for graduates to become junior/senior high school teachers of the Japanese language.



## Department of Education and Clinical Psychology

In the Department of Education and Clinical Psychology, students utilize knowledge and techniques of education and clinical psychology to learn how to approach a variety of problems and challenges being faced by modern society. Offering a unique feature not found at other universities, the Department allows students to freely choose and take courses related to the fields of both education and clinical psychology simultaneously and in accordance with their needs. The educational goal of this Department is to produce, through the combination of the two disciplines, graduates with general and practical abilities that can be used to support and assist others.



## Department of English

Acquisition of the English language is indispensable if, individually and collectively, we are to actively play an international role on the world stage. The Department of English responds to this crucial need of Japanese society by training students to have both high-level language skills and broad international perspectives. This is accomplished through intensive study of the English language and the culture and literature of English-speaking countries.

In their first year, students take introductory courses in each of the Department's four main disciplines: Linguistics, Speech Communication, British Culture and Literature and American Culture and Literature. At the end of their first year, they choose to major in either language or culture and literature; however, in order to reinforce fundamental English skills, about 60 percent of classes are common for both majors. These classes aim at strengthening the four basic skills of reading, writing, listening and speaking. Moreover, students of one major can take classes in the other. Cultural studies are also emphasized, including the opportunity to participate in an elective intensive English language and culture course at Bath University in England or the University of Calgary in Canada every summer. In their third and fourth years, students' academic research is focused primarily on seminars in which they deepen their knowledge of their chosen field.



## Department of German

Among all the private comprehensive universities in Kyushu, the Department of German of Fukuoka University is the only one dedicated to the study of German. Since almost all students enter the Department without having studied the German language during their school career, in the first year students take basic classes (Elementary German Conversation and Elementary Seminar on German) intended to help them acquire the four basic skills—listening, conversation, writing, and reading—in addition to a Basic Grammar Class. Also, in the class called Introduction to Germanistik, lectures are given to provide students with the basic knowledge essential in the field.

One of the Department's goals is to lead students to a wider and deeper understanding of German culture as a whole. To this end, specialized areas of study are classified into the three fields of German language, culture and literature from the second year and students choose classes according to their own interests. Students enter a seminar course of their choice in the third year, and are encouraged to write graduation theses in their final year. The curriculum also includes an elective intensive course in German language and culture in Germany every summer.



## Department of French

French-speaking areas of the world are far larger than generally thought, and in some countries French is even designated as a national language. Because many students learn French for the first time in their life when they enter the Department, the emphasis is put on the acquisition of the four skills of reading, writing, listening and speaking. In the first year, students learn basic conversation, grammar and reading through such classes as Elementary French Conversation taught by native French speakers, Language Laboratory French and the Elementary Seminar on French Language. In the Introduction to French Studies course, students can grasp the outline of the various fields of study open to them during the remaining three years of the course. Integrated in the curriculum at the end of the second year is an elective one-month overseas language training course, in which students experience a French-speaking environment and French culture at the Catholic University of Louvain in Belgium. The training course includes a one-week stay in Paris.

The fields of specialty in the Department are French language, culture and literature. Third- and fourth-year seminars cover all of these fields, each seminar consisting of about twelve students who have chosen that specialty. In these seminars, students find their own themes and engage in their own research, guided by their seminar teachers. The curriculum also includes an exchange program with the University of Paris 7 Denis Diderot, University Lumiere Lyon 2, and the Catholic University of Louvain, all of which are our sister universities.



## Department of East Asian Studies

Due to its nearness to China and Korea, Fukuoka has long played an important role as a gateway to other Asian countries. Taking advantage of the university's location in this historic city, the Department of East Asian Studies was established in 1999 to provide regional studies and education on East Asia. In this Department students mainly study the languages and cultures of China and South Korea.

In their first year, students study the languages of China and Korea, and in the Introduction to East Asian Studies course they are given an overview of Chinese and Korean studies. They also learn various approaches to area studies in the Methodology of East Asian Studies course. From their second year onward, students specialize in either Chinese or Korean. In addition to intensively studying the language, they also acquire knowledge of their chosen country in the Elementary Seminar on Chinese/Korean Studies. From the third year on, students take a variety of seminars according to their own interests, further improving their ability to understand the region, and more thoroughly analyze and digest literature in the field.



## Faculty of Law

By providing specialized education in law and government in a systemic and hierarchal fashion, the Faculty of Law provides students with a deeper understanding of legal concepts, instilling the knowledge necessary to determine the significance of laws and understand discussion of their interpretation, and heightens an awareness of the systems of law, the courts and government, and their operation at the international, national and regional levels. The courses are designed to provide students with the specialized knowledge in law and politics needed to flexibly resolve a wide variety of issues. To implement this educational approach, the course of study consists of classes and practice based on research results in individual areas within the broad fields of law and government, providing students with legal minds through specialized knowledge and practical competence. The goal of the Faculty is to train legal minds capable of offering practical solutions to the complex issues, incidents and discords of modern society, applying flexible thinking, a systematic approach and balanced judgment in a comprehensive and ethical manner.

### Department of Jurisprudence

Established in 1959, the Department of Jurisprudence has a long history in Kyushu and its many alumni are making important contributions in society. The educational goal of the Department is to nurture talented graduates with a solid understanding of the legal basics, who can interpret things from a legal perspective.

The teaching staff of the Department of Jurisprudence spares no effort in responding to the diverse needs of students. In order to strengthen its support for the various careers students pursue after graduation, the curriculum is divided into three courses: General Law, Legal Policy and Modern Citizen Law. The General Law course is designed for students who aim to become legal specialists such as lawyers, while the Legal Policy course is intended for students whose goal is to find occupations in education, the media, or in public service such as in national or local governments. The Modern Citizen Law course is designed to train students to deal effectively with the complex interactions of law within the activities of citizens in modern society. Model courses have been developed for a variety of specialty and related fields to better meet the future career strategies of students. Our graduates play active roles as researchers, judges, public prosecutors, lawyers, and local and national government officials.



### Department of Business Law

Established in 1970 as a new department of the Faculty of Law, the Department of Business Law aims at producing graduates prepared for the responsibility of business management, aided by a thorough knowledge of both law and management and an international perspective on business. As in the case of the Department of Jurisprudence, many graduates are playing an active role in public administration and the business world, utilizing their legal knowledge, while others are successful as proprietors of businesses they took over from their parents.

To better address present needs, the curriculum is divided into two courses: Business Management and International Studies. The Business Management course serves the needs of students planning on becoming entrepreneurs or operating their own businesses, providing them with practical legal knowledge in corporate activity, including corporate management and office business practice. The International Studies course is designed for students interested in trade, foreign-capital businesses, the travel industry and similar fields, providing them with the practical legal knowledge as well as with the language skills essential for careers in the international business world. Courses have been developed for a variety of specialty and related fields to better meet the future career strategies of students. Graduates are equipped with the legal knowledge and language abilities needed to serve in the front lines of business and society.



## Faculty of Economics

Since modern life depends heavily upon economics, to study economics is vital for understanding the current social situation, both domestic and international, and for predicting future trends. The aim of the Faculty of Economics is to provide undergraduate students with manifold abilities to perform well in increasingly complicated and information-oriented global markets. This Faculty has two departments: the Department of Economics and that of Industrial Economics, but the curricula of the two departments share the following courses or subjects. All students in the first year take Introductory Economics in order to prepare for their special fields of study. In their second year, students must study Macroeconomics as well as Microeconomics, and may also choose the Economics and Society course, which is taught by guest speakers such as government officials and corporate managers. Small-sized active seminars play an important role in both departments. Those who are interested in internationalization may take a class with an economics textbook written not in Japanese but in English from the first year on, and in the third and fourth year they can have an opportunity to study a subject taught by a foreign professor, including a program run in collaboration with Ulsan University, South Korea.

### Department of Economics

A main focus of the Department of Economics is on economic theories and, as mentioned above, the aim of the Department is to provide undergraduates with manifold abilities so as to approach economic problems theoretically and resolve them practically. From their second year on, students major in one of three fields of study: Practical Analysis of Economics, Applied Economics and Social Economics. The students in the field of Practical Analysis of Economics choose from among courses or subjects such as Theoretical Economics, Intermediate Macroeconomics/Microeconomics, Econometrics and Mathematical Economics. Students majoring in the field of Applied Economics choose from among courses such as Economic Policy, International Finance and Labor Economics. Subjects for Social Economics majors include not only Comparative Economics but also various courses on economic history.



### Department of Industrial Economics

The Department of Industrial Economics focuses on minutely detailed analyses of specific industries, with the aim of producing specialists skilled in practical science. To this end, the Department emphasizes both field surveys and training for advanced mathematical analyses, and in their third and fourth years students may have an opportunity to take up internships offered by some corporations. Another important goal is to nurture creative entrepreneurship. From the second year on, undergraduates major in one of two study fields, either Planning and Game Strategies or Social Systems. The former majors are able to study such subjects as Game Theory, Industry Organization, Corporate Decision-making and Entrepreneurship. Majors in the field of Social Systems select courses or subjects from among Urban Systems, Consumer Behavioral Analysis, Field Studies, Data Mining, Statistical Data Analyses, and others.



## Faculty of Commerce

The Faculty of Commerce boasts the longest history of all the university's faculties, and a total of about 59,000 alumni (including the Evening School) are playing active roles in their fields. The Faculty emphasizes both theoretical and practical aspects of commercial science in its task of preparing students to identify and constructively resolve the diverse problems of modern society.

### Department of Commerce

Since its establishment, the Department of Commerce has provided Japan—especially Kyushu—with graduates possessed of outstanding knowledge and ability. Together with the Department of Business Management, which was split off in 1999 as an independent department, it is proud of the fact that it numbers among its alumni more top business executives in western Japan than any other university. Students of this Department gain a thorough grounding in theory, history, systems and policy in the fields of distribution, commerce, finance, securities, insurance, transport and information processing. The Department's goal is to equip students with the essential basic business capabilities, capable of utilizing their professional knowledge in a comprehensive manner to accurately analyze and solve problems.



### Department of Business Management

Established in 1999, the Department of Business Management is one of the newest departments in Fukuoka University. The business environment in Japan is undergoing radical changes, as seen in industrial restructuring, increasingly international capital markets nurtured by the borderless economy, intensifying corporate competition and diversifying consumer values. This Department was established to help create a new generation of managers able to cope flexibly with such dramatic changes. The Department's aim is to produce graduates equipped with advanced professional managerial and accounting knowledge and skills.

As information resources become increasingly sophisticated, management must be able to utilize computer-based statistical methods in decision-making, and international accounting and management ability is crucial as corporate activity expands into the global stage. To provide graduates with the required knowledge and skills, the Department emphasizes specialized and international issues in a wide variety of courses in both management and accounting fields.

From April 2012 the Accounting Program for professional accountants will begin. See the Faculty of Commerce website for additional information.



## Department of International Trade

In today's globalized world the volume and complexity of international goods, services and financial transactions is growing exponentially. Established in 1967, the Department of International Trade produces globally aware graduates who have a wide knowledge of international business practice and can smoothly perform international transactions even as they grow more complex and diversified every year. Another goal of this Department is to cultivate the language skills that form the basis of smooth international business performance. As globalization accelerates across the world, the significance of this Department continues to rise.

In their first year, the students of the Department acquire basic knowledge about international trade and commerce, and choose their primary field of study according to their own interests from among various specialized areas of study, such as Business Communication, Practice of International Trade, Theory and History of International Trade, International Finance, and the economies of nations in Asia, the Americas and Europe.



## Faculty of Commerce Evening School

### Department of Commerce

The Faculty of Commerce Evening School was founded in 1953 as a school for working people and has made a major contribution to society over the last half-century by giving working students eager to study the opportunity of higher education. The more than 12,500 graduates have played an active role in the development of the local economy and society. The Department's core mission, to provide opportunities for recurrent education and lifetime education for working people, remains unchanged. Taught primarily by the staff of the Faculty of Commerce, classes are held every evening from Monday to Saturday from 18:00 to 21:10, with a 10-minute break. Graduation from the program in four years is possible.

In order to fulfill the varied needs of students, almost all of the courses in the full-time Department of Commerce, Department of Business Management and Department of International Trade are available in the Evening School. Courses consist of high-level specialty subjects such as distribution and finance, management, accounting and international business, as well as covering areas common to all fields, including seminars, information processing, and reading and discussion of textbooks written in English. Additional courses on law and economics are offered by staff from other faculties.

The Working Adult Students Course, a special one-year course designed to systematically teach business management, is offered to company employees, mid-level managers and upper management and local and national government officials, as well as retirees.



**Classroom Building 2:**

This building will house the offices, classrooms and other facilities of the Faculty of Commerce, which was the first faculty established at Fukuoka University. It will provide a high-quality environment for study, research and human interaction, and will be open to all students

Artist's conception

## Faculty of Science

The Faculty of Science provides graduates with a wide knowledge of general science and the ability to comprehend natural phenomena from a broad perspective. They are capable of identifying and probing unresolved issues, and as well-rounded human beings with an awareness of global issues can effectively apply their knowledge. The Faculty has four departments (Applied Mathematics, Physics, Chemistry and Earth System Science) and two institutes (Social Mathematics Information Institute and Nanoscience Institute), offering seminars, lectures, and practice and experimentation under this approach, with the goal of instilling the ability to think logically, creatively and from various viewpoints.

### Department of Applied Mathematics

The Department of Applied Mathematics offers a selection of courses designed to efficiently instill the skills needed to identify the core of mathematical problems. These courses include small seminars to facilitate active discussion. To ensure that students can handle computers and information as needed to resolve real-world problems, the course of study also covers content related information and information systems theory, as well as an outline of multimedia content.

Graduates of the course are capable of developing methods of approaching problems and resolving them. Many of them obtain teaching certificates in mathematics or information technology, or find employment in the information services industry. A large number advance to graduate school for further education.



### Department of Applied Physics

Born out of essentially simple questions about familiar phenomena, physics reveals the fundamental principles of the universe. On a practical level, physics has served as the driving force in the evolution of our highly industrialized modern world as represented by leading-edge technologies embodied in products like semiconductors, superconductors and high polymers. In this age of rapid progress and radical change, the Department of Physics sees its mission as cultivating students' logic and problem-solving capabilities as well as their practical knowledge and technical skills. The key concepts of this Department include hands-on learning, logic, insight and real-world applications.

The curriculum is mainly comprised of lectures, laboratory classes and seminars. The Department places an emphasis on experimental classes in which students tackle a wide range of research themes in small groups. In their first and second years, students start with an introduction to the field through basic seminars and classes in physics and mathematics, then build on their knowledge of physics and acquire scientific ways of thinking by taking courses in subjects such as dynamics, electromagnetics, thermodynamics, modern physics and quantum physics. In the third and fourth years, the staff works to help each student achieve his or her maximum potential, including studying topics such as solid state physics, functional organic materials sciences and laser physics to bring them into contact with the frontiers of modern physics.



## Department of Chemistry

The comforts and conveniences of everyday life today have been created in large part through the remarkable developments of modern chemistry and the endless flow of new medicines and materials it produces. In the Department of Chemistry, students learn about the nature of various substances. The curriculum has been designed to allow students to study basic theory and experiment in a parallel fashion, making chemistry both easily understandable and pleasurable and helping them discover its diversity and depth.

In the first and second years, fundamental experimental courses include general chemistry, inorganic and analytical chemistry, organic chemistry, biochemistry, physical chemistry and quantum chemistry. From their third year on, students major in one of the Department's two main courses: Material Chemistry or Life Chemistry. In each course, students choose from among more advanced specialty courses. In their final year, they are assigned to one of the Department's laboratories to undertake graduation research to complete their studies. The themes students choose for their graduation theses vary with laboratory, ranging from fundamental questions in chemistry to the latest issues in environmental protection and disease.



## Department of Earth System Science

From the birth of the earth, natural phenomena such as changes in climate, the formation of the ozone layer, movements of the earth's crust, and the evolution of plants and animals have occurred on various scales and in different time scales. Students of the Department of Earth System Science engage in interdisciplinary study of the mechanisms and components of the atmosphere, hydrosphere, lithosphere and biosphere. The Department provides graduates with the broad perspectives needed to contribute to the realization of a future society that will live in harmony with the natural environment by resolving the problems posed by a range of natural and societal phenomena.

In their first and second years, students learn about the foundations of science in courses that cover practically every scientific field, including physics, chemistry, biology, geology and mathematics. In their third year, students are exposed to the specialties of geology, geophysics and biology, and select one for in-depth experimentation. Their four years of study and research culminate in the graduation theses all students are required to write in their fourth year.



## Social Mathematics Information Technology Institute



Modern society is composed of a multitude of systems, and specialists who understand and can effectively use these complex systems are in demand. Students learn to express these social systems using mathematical models, thereby clarifying the fundamental principles involved and learning how to adapt them to the changing world for utilization in a wide range of applications. Mathematical models are studied from both the theoretical and practical utility approaches, and students are trained in the development and construction of the network systems required to accurately model real-world systems.

Courses at the Institute are limited to 15 students, and even freshman-level basic courses in mathematics and information technology emphasize hands-on work to assist students in gaining a practical understanding. Freshmen study essential mathematical models, learning fundamental techniques to explain and analyze social phenomena using models. From the third year an integrated seminar program nurtures skills in practical analysis and system construction. Classes in theory and practice are also offered on a variety of specialties to provide experience in high-level mathematical models.

## Nanoscience Institute



Modern industry looks to science and technology to create nanomaterials with designed characteristics and functions, by controlling atoms and molecules. This Institute provides a focused course of study on the fundamentals of the field, limited to 20 students. The curriculum combines chemistry and physics, providing students with the ability to perform the full sequence of tasks from nanomaterial synthesis to analysis and evaluation, and is designed to nurture graduates who can put their knowledge to work in new creations, as well as instructors with strong backgrounds in both physics and chemistry.

## Faculty of Engineering

As the economy becomes increasingly global in nature, new technologies are urgently required to resolve global environmental and energy problems, and help achieve a sustainable society. The goal of the Faculty, recognizing the responsibility of graduates in supporting the societal infrastructure with technology, is to nurture specialists with knowledge in advanced engineering fields, capable of contributing to the sustainable development of society through a realization of their social responsibility, judgment to match the changing needs of the era, and creative science and technology.

### Department of Mechanical Engineering

Since mechanical engineering is the foundation of almost all kinds of engineering and technology, the Department of Mechanical Engineering's aim is to produce young engineers who have broad perspectives and can play an active role in many industries. To realize this, the Department organizes its learning areas, educational staff and laboratory divisions into five fields: strength of materials, thermal engineering, fluid engineering, manufacturing science, and system dynamics and control. This ensures that our students gain a comprehensive knowledge of mechanical engineering.

In order to respond to the rapid developments in technology, engineers need both solid academic knowledge and the ability to use their knowledge in practice. For this reason, mechanical engineering majors study physics and mathematics intensively in small classes during their first year, while the main mechanical engineering courses begin from the second year. From their third year on, students confirm what they learn in lecture courses through corresponding experimental courses using the Department's state-of-the-art facilities. Students also learn the process of machine designing from the second term of their second year to their fourth year through seminars in mechanical engineering design. In the fourth year, students specialize in one of the five fields mentioned above and undertake a graduation research project as final preparation for their careers in mechanical engineering.



### Department of Electrical Engineering

As one of the key technologies in the evolution of our modern civilization over the past century, electrical engineering continues to grow in importance, ensuring its role as one of the centers of future industry. The Department produces skilled electrical engineers capable of fully answering the needs of modern society.

The Department's curriculum has the following features. From their first year on, students take specialized courses in electrical circuitry and electromagnetics as well as physics and mathematics. Corresponding to current needs, specialty courses cover a broad spread of technological fields: electric power systems; power electronics; electrical and electronic materials, including studies of advanced superconductivity; system engineering, with a thorough grounding in modern control theory and its applications; the rapidly developing field of communications; and energy conversion engineering, including studies on energy and environmental issues. Courses for other relevant fields include computer science and information processing. The Department attaches great importance to seminars in which final-year students tackle advanced graduation research in small classes that nurture their creativity and problem-solving capabilities.



## Department of Electronics Engineering and Computer Science

Advanced-technology industries are developing with phenomenal speed, including information and communications, computer engineering, semiconductors and optics, and all of these fields rely on electronics and information technologies. By studying both electronics engineering (hardware) and information processing (software), students grow into electronics engineers with a solid understanding of information processing, and information engineers who know their electronics. Graduates have the knowledge and skills needed to construct new electronic information systems to serve the changing needs of the era.



## Department of Chemical Engineering

Modern chemical engineering covers a broad range of technologies that contribute to the development and manufacture of chemical products indispensable to our daily lives, including synthetic fibers, ceramics, solar cells, semiconductors, liquid crystals, optical fibers, paint, detergent, cosmetics, medicinal supplies and synthetic seasonings. In the Department of Chemical Engineering, students learn about chemical reactions, the preparation and separation of materials, and the design of chemical products manufacturing systems.

Students take courses in chemistry experimentation and physics experimentation, as well as differentiation and integration, physical chemistry and dynamics as basic courses. Major specialty courses include courses on organic and inorganic chemistry, chemical kinetics, reaction engineering, polymer chemistry, heat transfer, mass transfer, diffusion and separation, powder technology and environmental technology. The themes students choose for their graduation research center on current problems such as microreactor systems, supercritical fluid, gas absorption, superheated stream drying, fluidized and spouted beds, flow-through chemical equipment, environmental catalysts, biomass utilization, multi-functionalization of inorganic materials and functional polymeric materials.



## Department of Civil Engineering

Civil engineering includes the planning, design, construction, maintenance and management of social infrastructures essential in making daily life safe and convenient. The curriculum is designed for small class sizes, and includes specialty courses, hands-on training and experiments, and theses, as well as field trips to infrastructural facilities and practical training at public offices or private companies through internships. In this Department, students choose one of two courses: the Construction Engineering course, which is certified by the Japan Accreditation Board for Engineering Education (JABEE) or the Civil Engineering course, which is not. The former has a large number of required classes, while the latter offers more electives to allow students to work within their specific fields of interest.



## Construction Engineering course

The core fields of study are structural mechanics, soil mechanics, hydraulics and building material science, all indispensable in the construction of the infrastructure. Students begin by studying compliance with engineering ethics, then master more advanced skills covering the entire scope of building projects from planning and designing structures that harmonize with the local landscape to environmentally friendly construction and management.



## Civil Engineering course

The development of social infrastructures requires increasingly highly specialized and advanced knowledge as well as interdisciplinary approaches. With this in mind, the Civil Engineering course offers a diverse range of areas of study so that students can choose areas based on their own clear sense of purpose and acquire skills to prepare themselves for taking an active role as professionals, such as environmental experts, in broad fields related to the social infrastructure.

## Department of Architecture

The three fundamental elements required for a building are safety, functionality and beauty. Therefore, the Department of Architecture offers students a broad range of courses covering these fundamentals. Architecture courses begin from the first year; then, as they progress through their four years, students select their own areas of study according to their interest and aptitude. The Department has also established a JABEE (Japan Accreditation Board for Engineering Education) course.

Architecture courses cover a broad spectrum of themes including the design of residences, office buildings, theaters and museums, environmental engineering that creates comfortable interior environments, and the architectural planning of structures and materials designed to withstand earthquakes, storms and floods, as well as visions of the future of urban cities and communities. The Department has experimental facilities that put it in the top rank among Japanese universities, such as a dynamic testing facility for earthquake simulation and an environmental laboratory where temperature and humidity conditions can be minutely controlled, as well as a CAD (Computer Aided Design) room. In their fourth year, students are directed to work toward the completion of a graduation project or graduation thesis as the culmination of their university careers, and to fully demonstrate the depth of their knowledge of architecture.



## Faculty of Medicine

Since its foundation in 1972, the School of Medicine within the Faculty of Medicine has graduated over 3,500 professionals who today play active roles in the medical community, including universities throughout Japan and overseas research institutes. In an age when advanced medical science contributes greatly to increased longevity, every doctor must face the question of how medicine can better contribute to human happiness. The establishment of the School of Nursing in 2007 has further strengthened the Faculty's ability to provide medical professionals capable of making a real contribution to comprehensive health and medicine. Students probe how medicine and nursing can help improve human happiness, and discover their own answers to this key philosophical question. The aim of the Faculty is to produce graduates who have thoroughly explored this question for themselves, and are thus capable of genuine patient care based on a deep respect for life.

## School of Medicine

The School of Medicine is dedicated to producing physicians with the following capabilities and qualities, with the educational goals of training students to be clinical physicians with humanity, contributing to regional society through medicine, and establishing a comprehensive and systematic medical research stance:

- 1) Comprehensive clinical capability: the medical knowledge and skills to be able to perform any medical procedure in any field, now and in the future;
- 2) Self-learning ability: the ability to actively continue the study of medicine throughout their whole lives without a teacher;
- 3) Problem-solving capability: the ability to approach and solve problems in a scholarly manner;
- 4) Rich humanity: the warmth, compassion and communication skills necessary for achieving genuine rapport with patients and other medical workers; and,
- 5) Leadership and a cooperative stance: the skills and attitudes necessary for leadership and active cooperation in medical treatment or welfare teams.

In order to attain these goals, it is imperative that students think deeply about the kind of doctor desired by the community, incessantly questioning themselves and finding answers. The School of Medicine offers this opportunity consistently throughout its six years of comprehensive medical education.

One of the features of the School's curriculum is that specialty courses begin from the first year so that students can have opportunities to experience real medical treatment from an early stage, including nursing and introductions to medical facilities. The curriculum has 10 courses on basic medicine and 25 courses on clinical medicine. Both sets of courses are integrated so as to provide comprehensive medical education based on organs and functions. From the fifth year on, guided by their professors, students take practical training courses in clinical medicine at the university's two hospitals, Fukuoka University Hospital and Fukuoka University Chikushi Hospital.

As for educational facilities, the School of Medicine has various kinds of experimental rooms equipped with experimental apparatus and a PC room with 140 computers for the study of basic medicine, as well as various study rooms equipped with audiovisual facilities for small group training and the practice of clinical medicine. The School is particularly proud of its Center for Experimental Animals, one of the largest and most advanced facilities of its kind in Japan, the Radioisotope Center, and the Medical Information Center, where students and staff have instant access to up-to-the-moment medical research and data. These and other integrated facilities combine to create a top-level educational environment.



## School of Nursing

The educational goals of the School of Nursing are to produce nursing specialists who respect human life and dignity through rich personal and character development, who have acquired the ability to consider issues logically and ethically from the international, academic and personal perspectives, and who can contribute to local and global society.

Keeping these educational goals in mind, the School aims to achieve the following goals:

- ◆ To nurture in our students sensibility, cultured sensitivity, humanity and strict ethical values;
- ◆ To equip students with advanced knowledge and skills and help them to develop flexible, independent and creative thinking power so that they can consider health issues comprehensively from a scientific perspective;
- ◆ To develop in students the ability to practice team care, and cultivate in them a sense of scientific inquiry, so that they may continue to contribute to healthcare, medicine and social welfare throughout their professional lives;
- ◆ To develop in students an educational basis for practice, education and study to establish the technologies of nursing and to nurture interdisciplinary capabilities necessary for collaborating with people involved in other fields;
- ◆ To develop in students the ability to continuously pursue alliances collaboration and scientific study in the fields of health, medical care and welfare throughout their careers; and,
- ◆ To develop in students the ability to become engaged in a broad range of social activities and international medical care activities as professionals in the future.

By achieving these goals, we provide graduates with the ability to make a contribution to society in a wide range of health-related issues, including assisting healthy people in leading healthier and happier lives through preventive medicine; providing rehabilitative care for people with mental or physical disorders; and providing supportive care to mothers and newborns at birth, and to patients in critical conditions.

Aiming to develop practical nursing skills, the School employs an advanced educational approach, including roleplaying to nurture the sensitivity and communication skills essential in providing nursing care, and practice using advanced simulator models to gain requisite nursing skills safely and completely. We also offer Problem Based Learning using a self-directed tutorial system designed to nurture flexible thinking in students through self-study. In addition, students enjoy the advantages of studying alongside medical students in the Faculty of Medicine. Through the process of learning together, both medical and nursing students confirm and respect the differences and commonalities among their fields and learn about team care, which deepens insight through communication.



## Faculty of Pharmaceutical Sciences

Since this Faculty, the School of Medicine and the University Hospital are all concentrated on one campus, the Faculty's full time clinician-teachers cooperate with the School of Medicine and the hospital in order to contribute to the enrichment of education in pharmaceuticals and medical treatment. We look back with pride at the Faculty's 50-year history and our more than 9,000 graduates who take an active part in the broad range of fields related to pharmaceuticals.

Graduates teach about their on-site experiences and pass on hands-on knowledge to first year students in the omnibus class, Introduction to Pharmacy. Our curriculum emphasizes both practical knowledge and basic pharmaceutical education in addition to practical training, which stimulates students' motivation and results in outstanding results in the national pharmacist examination every year.

With the admission of students to the new Department of Pharmaceutics in April 2006, the Faculty started a six-year course to meet social needs. The new Faculty of Pharmaceutical Sciences building was completed in 2005, and the annex for the six-year course was completed in 2009. The completion of the annex has enhanced the educational environment. We welcome students who have the desire to help people as pharmacists and we send them out into society not only as pharmaceutical professionals but also as responsible human beings.

## Department of Pharmaceutics

The amendment of the School Education Law, which was related to pharmaceutical education, led to the establishment of a new six-year system for pharmaceutical education in April 2006 to enhance the education and training of professional pharmacists.

The Department is designed to answer social needs by emphasizing the importance of clinical pharmaceutical sciences in addition to conventional biopharmaceutics, while placing a priority on achieving qualitative and quantitative improvement in education through our curricular structure and facilities in order to build a new system for pharmaceutical education and research.

Through our curricular structure, the Department promotes education on the appropriate use of medicine based on evidence-based medicine (EBM) and evidence-based practice (EBP), instruction for drug use, medication history management, risk management and safe pharmacological treatment. With this curriculum, we are confident that we can produce highly skilled pharmacists capable of being engaged in clinical practices.

In terms of our facilities, an annex building of the Faculty of Pharmaceutical Sciences was completed in 2009. The new annex, which houses lecture rooms and a support center for pharmaceutical education, is being used to provide introductory and graduate education in pharmaceuticals. The center is also being used to assist those who are preparing for the national pharmacist examination and the examination of pharmaceutical sciences consisting of computer-based testing and objective structured clinical examination. This new building also includes facilities for the practice of joint experiments in preventive medicine and in other areas to help people maintain or improve their health.



## Faculty of Sports and Health Science

As an educational and research institution for sport and health science, this Faculty offers a broad range of studies in the fields of exercise, sports, recreation, leisure, physical training, health and welfare. The Faculty aims to produce professionals equipped with highly specialized knowledge and practical coaching capabilities, and thereby contribute to the realization of wellness in society.

### Department of Sports Science

With sports techniques and tactics becoming increasingly sophisticated in the field of competitive sports, coaching and training methods based on the latest advances in sports science are now indispensable. As specialization in a particular sport is increasingly determined at younger ages, early discovery of a person's aptitude for a particular sport and training programs designed specifically for each stage of his or her development become necessary. Responding to these needs, the Department of Sports Science is dedicated to training coaches and instructors with a deep knowledge of sports science as a whole and considerable expertise in their chosen sport.

The curriculum includes fundamental specialty courses from the first year to enhance specialty education. Furthermore, it is designed to minimize the number of required courses and maximize the number of elective courses so that students can choose courses according to their individual interest and specialty. In well-designed applied courses such as the Seminar on Coaching Methodology students deepen their knowledge and experience of particular sports. From the third year on, all students are assigned to a seminar and, under the guidance of their academic supervisor, write a graduation thesis and make a presentation at a faculty-wide meeting in the final year.



### Department of Health and Exercise Science

With Japan facing the prospect of an ultra aged society, ensuring a healthy and fulfilling life has become an important challenge. Moreover, it is now essential to encourage people of all ages from infants to senior citizens to form a habit of lifelong exercising and playing sports to prevent mental disorders caused by stress, which worsens year by year, and lifestyle-related diseases such as heart disease, cerebral apoplexy and hypertension, all of which can result from a lack of exercise. The Department of Health and Exercise Science is dedicated to the task of training experts in the provision and development of exercise programs aimed at improving health and quality of life for people of all ages, based on the latest scientific advances in this field.

The basic structure of the four-year course is designed so that students first study the foundations of sports medicine and science, after which they learn the methodology of sports and recreation instruction for health. Specifically, in their first and second years, students take courses such as Sports Psychology, Physical Fitness, Sports Physiology, Sports Medicine and Sports Orthopedics. In their third and fourth years, they take more practical courses such as seminars on health and sports and enhance their practical and applied expertise as instructors through seminars for off-campus training on fitness, exercise therapy and lifelong sports. Like students of the Department of Sport Science, students in this Department write a graduation thesis and make a presentation to the entire faculty in their final year.

