



Kumamoto University

Kumamoto University

2015-2016



創造の森 挑戦の炎



“Forest of Creative Powers, Blaze of Challenging Spirits”

Kumamoto University (KU), a globally active research university with roots in local communities, has adopted a motto that symbolizes the university's brand attributes and expresses its essential quality: "KU Spirit."

VISION

Kumamoto University aims to contribute to the community and global society by cultivating intelligent, moral, and skillful people, while working for the creation, inheritance, and development of knowledge, following the spirit of the Fundamental Law of Education and the School Education Law.

GOALS

Education

In order to cultivate unique, creative people, the university provides a comprehensive education based on a consistent philosophy followed by all our undergraduate departments and graduate schools.

Our undergraduate departments, with the help of a broad education, inculcate in students the abilities of international communication, adapting to the information age, and thinking and acting independently.

Our graduate schools cultivate highly specialized workers with comprehensive reasoning ability, technical knowledge, and internationally recognized skills, in addition to deep insight into human beings and nature, on the basis of the undergraduate education that the workers have received.

As an institution that is open to the public, the university offers a place where people can engage in lifelong learning.

Research

The university strives to protect and develop humankind's cultural heritage, while enhancing its capabilities to function as a center of advanced academic research and proactively promote cutting-edge, creative academic research.

In addition, by making use of its unique features, comprehensively deepening knowledge in the fields of human science, social science, and natural science, as well as promoting interdisciplinary research, Kumamoto University is working to contribute to the harmonious coexistence of humans and the environment, as well as sustainable societal development.

Contributions to local and global communities

As a university located in a regional hub city, the university will strengthen its cooperation with the local community and serve the functions of being a central research facility and cultivating leaders in the local community. By striving to convey our academic culture to the world, the university will contribute to the promotion of local industry and to advancing the provision of information about the culture.

In addition, the university strives to promote international intellectual exchange, educate international students, and train graduate students capable of producing a bilateral international exchange.

Message from the President



HARADA Shinji
President of Kumamoto University

Welcome to Kumamoto University (KU). Kumamoto is located in the center of Kyushu Island in Japan and is rich in nature. We have the huge volcanic Aso mountain in the eastern part of Kumamoto Prefecture. On the west side, there is the picturesque Amakusa seashore with small islands connected by 5 bridges. KU is situated in Kumamoto City where historic Kumamoto castle is surrounded by many trees. So, the city is called FOREST CITY. We have a hill clad in fresh greenery behind the KU campus, giving us a tranquil atmosphere for studies. Kumamoto is also known for its high quality fresh water springs, which provide drinking water to the residents.

These are some reasons I feel confident that visitors and international students in Kumamoto can have an enjoyable and high quality life. KU is one of the oldest universities in Japan with seven faculties, eight graduate schools and 20 research centers/institutes that support a wide spectrum of educational and research activities. Currently, the university is home to more than 8,100 undergraduate students and 2,000 graduate students, including 470 international students from 47 countries (as of May 2015). For over 100 years our university has been at the forefront of culture, advancing science and technology, and contributing to the development of the Japanese educational system.

Recently, we have been selected by the Government as one of the 22 Research Universities (RU22) in Japan and as one of the 37 Top Global University Projects. Also, the Center of Community (COC) project was awarded. Consequently, KU will be seeing increased internationalization brought about by international academic and student exchange programs (as of September 2015, we have partnered with 185 institutes from 38 countries and regions), global-collaboration research programs with the world's leading researchers at the Global Centers of Excellence (GCOE: three projects have been successfully completed), and other such international activities. The short-term international student exchange programs are conducted at both KU and our partner universities. The Kumamoto University Forum has also been held both inside and

outside Japan (including Shanghai, China in 2005, Daejeon, Korea in 2006, Surabaya, Indonesia in 2008, Hanoi, Vietnam in 2010, Shanghai, China again in 2012, and Surabaya, Indonesia again in 2013). Through these activities, KU has been contributing to local communities and to global society.

KU has established four fundamental policies in Kumamoto University for you (KU4U), and these have been continuously pursued:

1. Upgrade: To teach the students to be future professionals so that they can make active contributions of a global caliber in a rapidly changing world.
2. Uniqueness: To research our own world-leading studies in the most advanced fields, to create innovation and well-being in society.
3. Union: To collaborate with local and global societies, and to give back to society by providing a promising future through the promotion of education, culture, industry, advanced medical practices and more.
4. Universality: To develop global academic networks and increase internationalization by increasing the numbers of international students and international academic exchange programs, as well as through other means.

In order to keep these promises, we seek to cultivate an open mind with a broad view, a creative imagination, the ability to solve problems, and the aptitude to communicate internationally. We believe this policy will ensure that many competent professionals and leaders of future societies will emanate from our university.

I hope this book helps you to learn more about Kumamoto University and its activities.

A handwritten signature in black ink, appearing to read 'Shinji Harada'.

President of Kumamoto University

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KUMAMOTO UNIVERSITY MUSEUM

The main building of the former Fifth High School, now the Memorial Museum, is the symbol of Kumamoto University. The building has been designated as a National Cultural Property, along with the Chemical Laboratory, the main gate, and the Museum of the Engineering Faculty. We also preserve the tangible cultural properties of the Yamazaki Memorial Hall on the Honjo campus and the Kumayaku Museum on the Oe campus. We are planning to create the "Kumamoto University Museum," which will consist of these buildings and artifacts. As the first step in this process, the university initiated the renewal of the Memorial Museum of the Fifth High School in 2006, and is now gathering historical documents and materials. An exhibit is currently open to the public.

五高記念館



<http://www.kumamoto-u.ac.jp/dept/fifth/>

The Memorial Museum of the Fifth High School

(National Cultural Property)

The Fifth High school was established for young boys as the most prominent educational institution in Kyushu in 1887. Jigoro Kano, Yakumo Koizumi (Lafcadio Hearn) as well as Soseki Natsume were among the more celebrated professors who taught here. Even after 100 years, the original Fifth High School building is still well-maintained and very much appreciated by the public.

Hours	10:00 - 16:00 (Entrance allowed up to 15:30)
Days Closed	Every Tuesday, August Obon holidays Year-end and New Year's holidays National holidays between December and February only
Admission	Free

正門（赤門）



The Front Gate (The Red Gate)

(National Cultural Property)

The front gate of the Fifth High School is popularly known as the Red Gate (AKAMON) and is still the dignified main gate of the north campus of Kumamoto University.

化学実験場



The Chemical Laboratory of the Fifth High School

(National Cultural Property)

This building was used as the lab for chemical experiments. There is a row of labs as well as a tiered lecture hall with a corridor situated on the west side.

工学部研究資料館



Museum of the Engineering Faculty

(National Cultural Property)

This building was constructed in 1908 as a machine shop for students of the former Kumamoto Junior College of Technology. The exhibits include various machines and tools still in working condition. The public is welcome to visit the museum during Open Campus Days, the University Festival and of course the following Days.

Days Opened	The third Friday of the month (13:00 - 16:00)
Admission	Free

HISTORY

1874 Kumamoto Teachers College established

1885 Kumamoto Pharmaceutical College established

1887 The Fifth High School established

1896 Kumamoto Medical College established

1897 Kumamoto Technical College established

There were five institutions of higher education in Kumamoto during the Meiji Era which eventually united to form Kumamoto University. Among these institutions was The Fifth High School, which was a center for higher learning in western Japan, and provided students with preparatory education to enter the Japanese Imperial Universities. A number of foreign teachers joined the school to offer western culture and knowledge to the students.

These young men, aged from their teens to late twenties, resided in a dormitory, and built a tradition of student community as well as lasting friendships.



1949 Kumamoto University established

Kumamoto University was established under the National School Establishment Law that reformed the preceding Japanese educational system. The new university incorporated the older institutions described above.

At its establishment, The Fifth High School comprised six departments, with an enrollment of approximately 1,100 students.

Discussion of the school's curriculum began soon after the founding of the school. After the Graduate School of Medicine was established in 1955, other graduate schools were subsequently established within the university.

The establishment of research and education institutions within the university was started early on. In the 1950s, both Kumamoto University Hospital and the University Library were completed. In addition, a number of research centers that conduct the highest level of scholarly research have been consecutively established over the past 20 years.



2004 Kumamoto University enters the 21st Century

The acceptance of government-sponsored international exchange students started around 1960, but records indicate that several international exchange students studied in the Faculty of Medicine as early as the 1950s. Since the 1960s, though, the number of international students has been steadily increasing. There were approximately 50 international students at the university in 1984, and that number increased to over 300 twenty years later in 2004.

Since Kumamoto University became a National University Corporation in 2004, the university has been ushering in an era of change. Nevertheless, the university will still continue to strive for further advancements in education, research, and medical care based on the knowledge and experience it has gained since it was first established, in order to contribute to society in the 21st century.

History of the University Hospital

The history of Kumamoto University Hospital goes back to the opening of the Hosokawa Clan Hospital in 1870. After being reorganized and relocated several times, the

hospital was moved to its current location in 1901.

In 1949, after Kumamoto Medical College was absorbed into Kumamoto University, the name of the hospital was changed to Kumamoto University Hospital. It started with a system of eleven medical departments.

In the past several decades, in order to respond to the segmentation and advancement of medical services, the hospital established central consultation facilities as well as new medical departments with the aim of increasing efficiency, among other improvements.

Kumamoto University Hospital has grown to become a general hospital with technologically advanced medical facilities and a comprehensive medical system. It is still continuing to make advancements in its aim to become a university hospital that can continue to provide quality medical care in the 21st century.



Historical Figures



Lafcadio Hearn
(1850-1904)

Though he was of Irish extraction, he was born in Greece. He came to Japan in 1890. In 1891, he took up his new post at The Fifth High School. His work "Ghost Stories" ("Kaidan") introduces Japan's mysterious traditions in English, and is widely known.



Natsume, Soseki
(1867-1916)

In 1896, he came to Kumamoto to take up his new post as a lecturer at The Fifth High School. He was residing in Kumamoto during the time he went on the trip that appears in his famous novel "Kusamakura".



Ikeda, Hayato
(1899-1965)

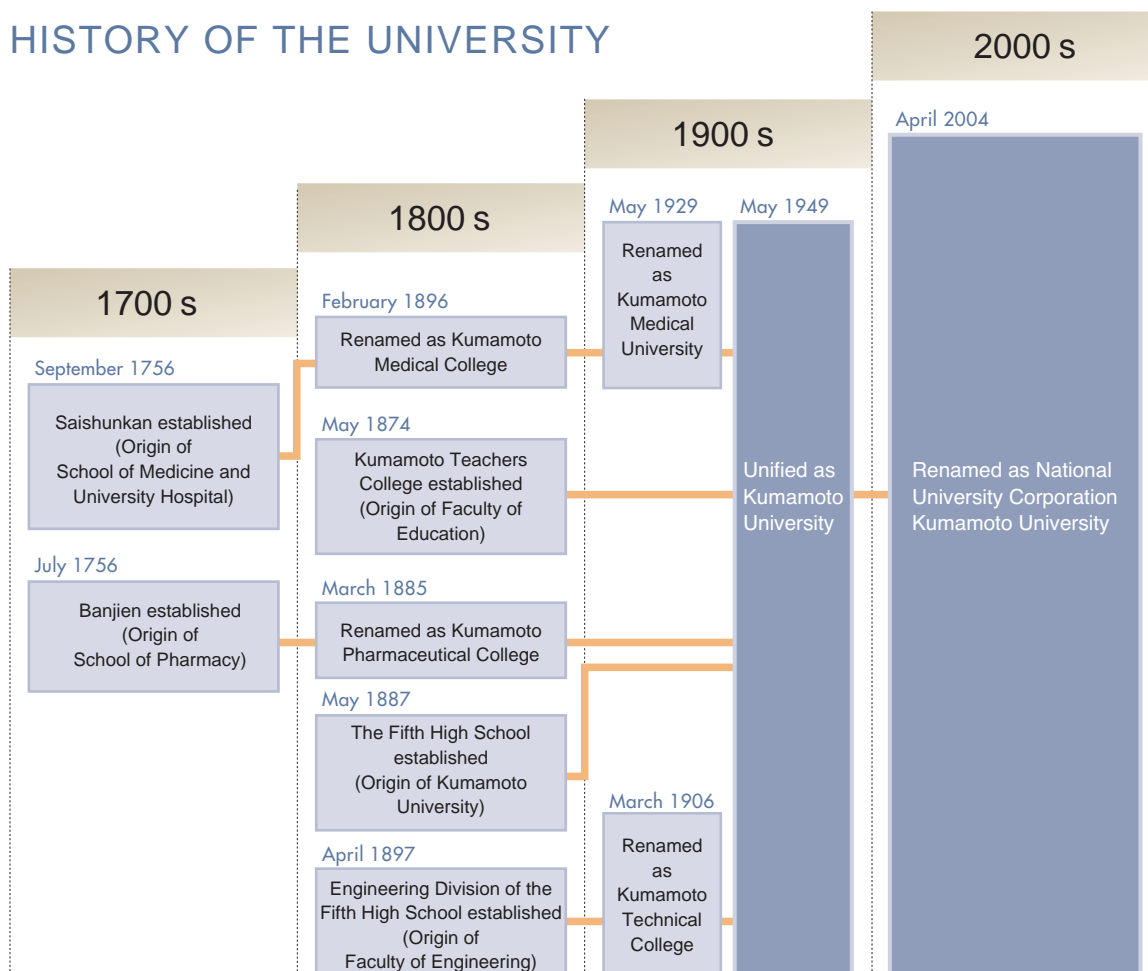
Hayato Ikeda was a politician who was born in Hiroshima prefecture and studied at The Fifth High School. He became the Prime Minister of Japan in 1960, and his administration led Japan for a prolonged time during its era of high economic growth.



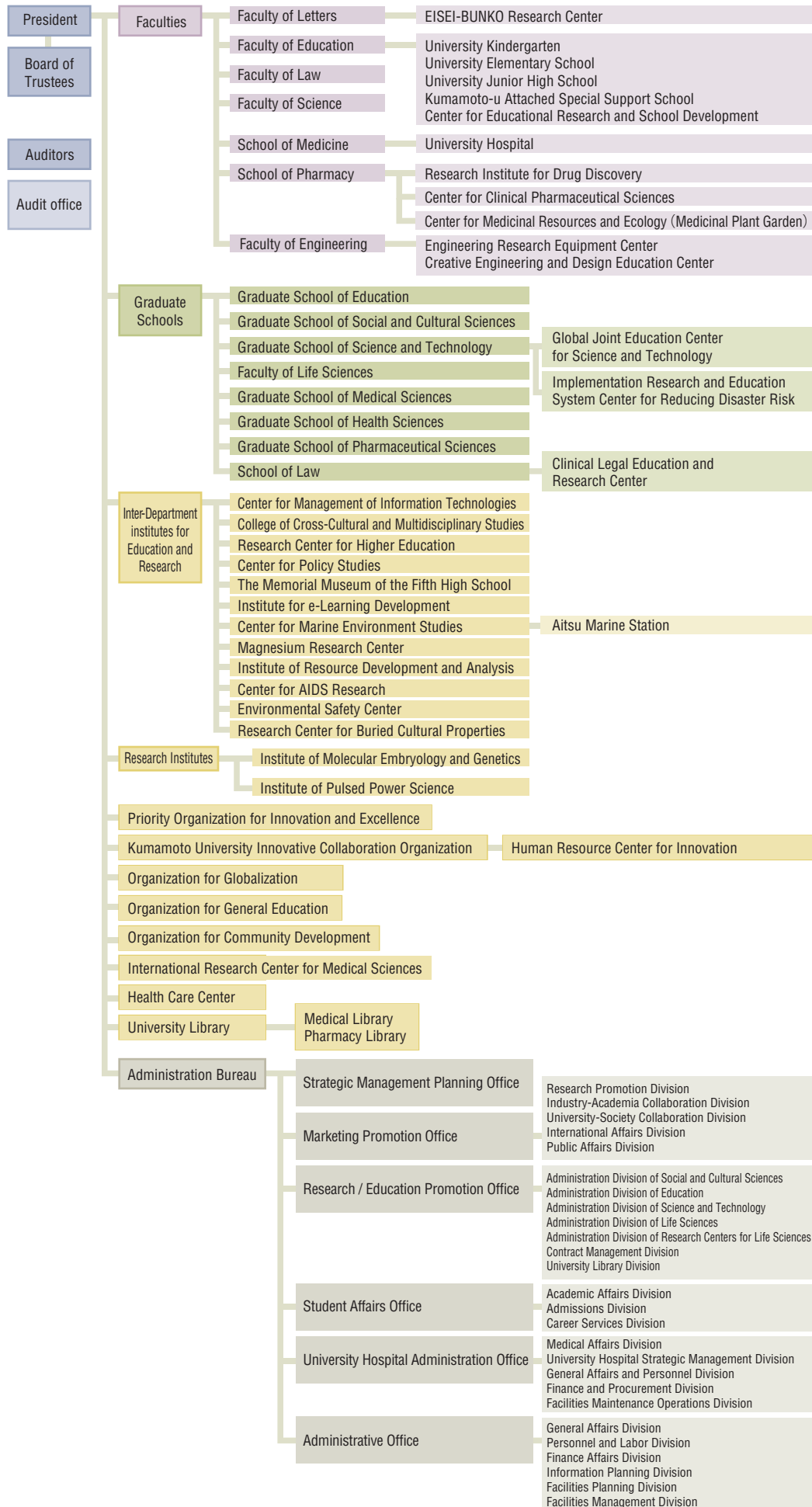
Sato, Eisaku
(1901-1975)

Eisaku Sato was a politician who was born in Yamaguchi prefecture and studied at The Fifth High School. He became the Prime Minister of Japan in 1964, and played a key role in the return of Okinawa to Japanese rule and the creation of Japan's "Three Non-Nuclear Principles." He received the Nobel Peace Prize in 1974.

HISTORY OF THE UNIVERSITY

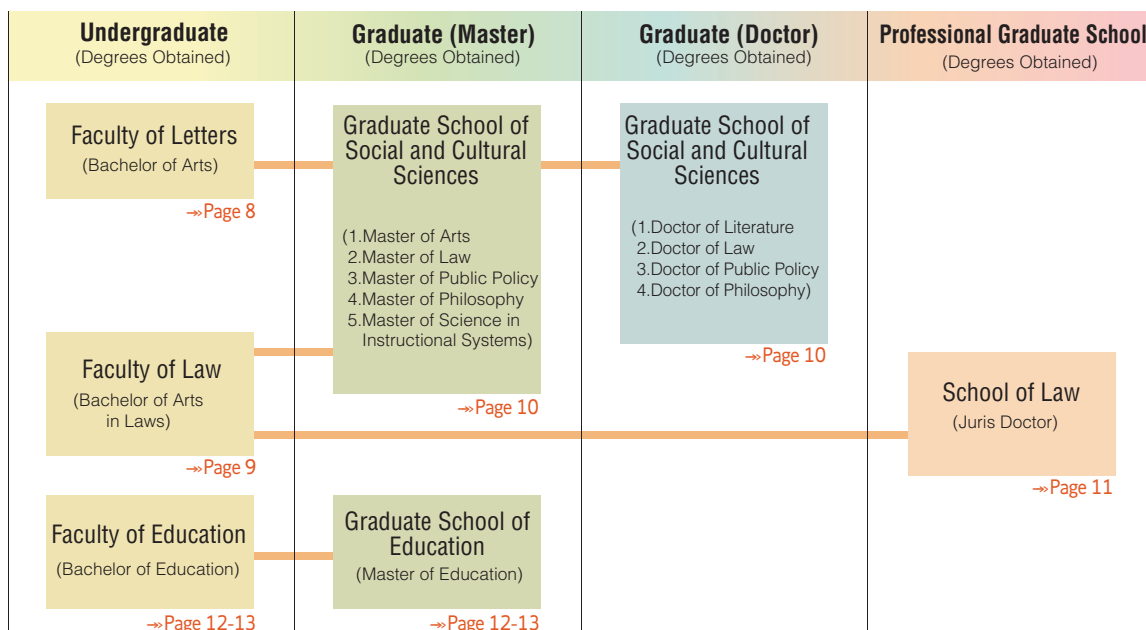


ORGANIZATION



UNDERGRADUATE AND GRADUATE COURSES

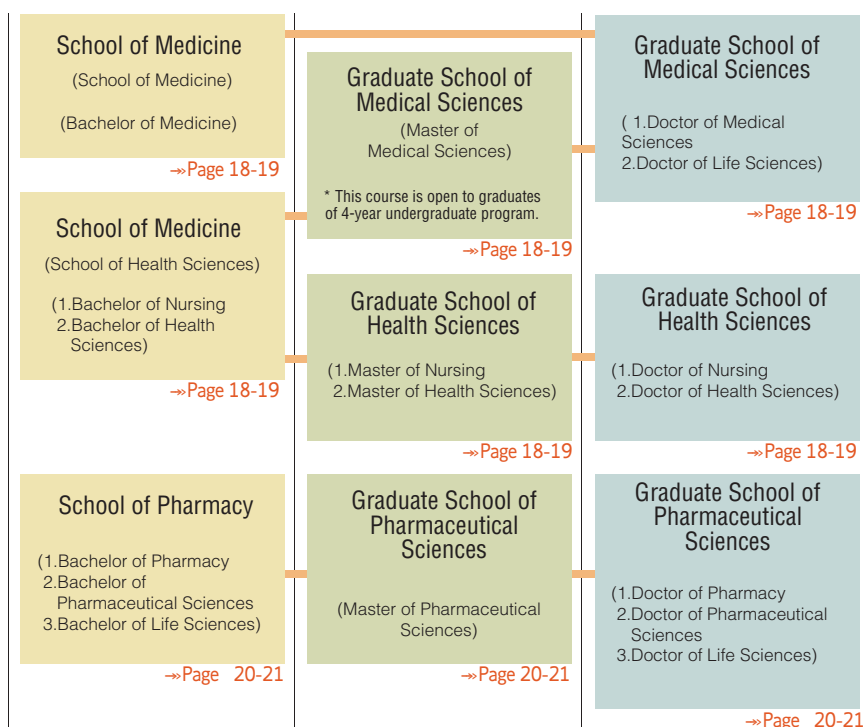
■ Humanities and Social Sciences ■



■ Science and Technology ■



■ Life Sciences ■



The above chart is an example of pursuing higher education between undergraduate and graduate courses, but is not limited to this chart.



Faculty of Letters

- **Division of Integrated Human Studies**
Human Sciences, Socio-human Studies, Regional Science
- **Division of History**
Japanese History and Archaeology, Modern World Systems
- **Division of Literature**
East-Asian Languages and Literature, Euro-American Languages and Literature, Transregional Studies of Language and Literature
- **Division of Communication and Information Studies**
Communication and Information Studies

Faculty of Letters

The Faculty of Letters was established in May 1949 as part of the new Faculty of Law and Letters. This faculty was then split into the Faculty of Law and the Faculty of Letters in 1979. The education and research framework of the Faculty of Letters includes four educational divisions, which are the Division of Integrated Human Studies, the Division of History, the Division of Literature, and the Division of Communications and Information Studies. The Faculty welcomes 170 new students each year. There are approximately 70 faculty members who are conducting academic research in a broad number of areas, including the humanities, social studies, and cultural studies.

To satisfy new and contemporary needs, three interdisciplinary courses that made use of an existent educational system for cross-disciplinary learning were established in 1997. In 2005, these courses were disbanded and the Division of Communication and Information Studies was established. The aim of its establishment is to help students

acquire outstanding abilities in international communication using English, as well as to teach them to excel at processing information. There are numerous international students across the Faculty, which is striving to develop people who can contribute to the international community through various researches.

In April 2009, the EISEI-BUNKO Research Center was established as our affiliate institute. Its purpose is to enable analysis of the scholarly values of the historical materials in the Hosokawa clan's collection, and to promote academic advances of its research. The Center will also be home to the development of a new interdisciplinary research field and organization. Furthermore, as a cultural enterprise, we will cooperate with outside administrative bodies to conduct forums and deliver public lectures, so that the general public can share the benefits of our research.

URL: <http://www.let.kumamoto-u.ac.jp/en/>



Faculty of Law

■ Department of Law

Division of Legal Culture, Division of Civil Law, Division of Modern Legal Policy,
Division of Public Policy

Faculty of Law

The Faculty of Law, which grew out of the Fifth High School, was established as part of the Faculty of Law and Letters of Kumamoto University under the new system in 1949. In 1979, the Faculty of Law and Letters was reorganized into two faculties, the present Faculty of Law and the Faculty of Letters. The Faculty of Law had two departments, Law and Public Policy, before 2004 when the School of Law was established as a graduate course. The two departments of the Faculty of Law were then merged into one, the Department of Law. The Faculty of Law adopts a two-course system, with the Course of Law and the Course of Public Policy, between which students choose at the beginning of their third year. Now the Faculty devotes itself to an education in the basics and the fundamentals of law and public policy.

The educational goal of the Faculty is to develop students' abilities, give them a solid grounding in legal knowledge, teach them to think, express themselves, and debate in legal and political terms, and to find solutions to issues and disputes in society. To these ends, the Faculty of Law offers students a personalized education, including compulsory and small seminar-style classes, one of which students are required to take each year.

URL:
http://ewww.kumamoto-u.ac.jp/dept/f_law/



Graduate School of Social and Cultural Sciences

■ Master's Course

Division of Public Policy Studies, Division of Jurisprudence,
Division of Modern Social Human Studies, Division of Cultural Sciences,
Division of Instructional Systems

■ Doctoral Course

Division of Human and Social Sciences, Division of Cultural Sciences,
Division of Instructional Systems

■ Graduate School of Social and Cultural Sciences

The Graduate School of Social and Cultural Sciences was established in April, 2002 as a three-year independent, interdisciplinary and comprehensive Doctoral Program based on specialized fields in the Faculty of Letters and the Faculty of Law. In April, 2006, the Division of Instructional Systems (master's program) which was designed to foster e-learning professionals, was founded. In April, 2008, the new Graduate School of Social and Cultural Sciences, which consists of the Master's Program and the Doctoral Program, was created by reorganizing and integrating the existing Graduate School of Social and Cultural Sciences, the Graduate School of Letters (master's program), the Graduate School of Law (master's program), and the Division of Instructional Systems.

In addition to the traditional academic courses (8 courses), the Master's Program offers 7 newly-founded professional courses, including Public Policy; The Legal Profession; Negotiation, Conflict Resolution, and Orga-

nizational Management; East Asian Business Communication; Cultural Administration and Curators; Japanese Teaching in senior High Schools; and English Language Teaching. These courses help to realize an education that responds to a wide range of social needs.

The Doctoral Program aims to cultivate highly-specialized professionals and researchers. It is comprised of three divisions. The Human and Social Sciences Division pursues development and policy studies of new social systems, and their theoretical groundings. The Cultural Sciences Division is concerned with research into various aspects of human culture and the formulation of cultural policies for contemporary society. And the third is the Instructional Systems Division. All the three doctoral divisions have been created to open the door for adult students and foreign students, in addition to those who proceed from the Master's Program.

URL: <http://ewww.kumamoto-u.ac.jp/dept/social/>



School of Law

■ Legal Professional Course

School of Law

The School of Law was established in April 2004 for the purpose of training students to become legal professionals who will be active in the 21st century, and who will have the ability to respond to the special legal needs of local communities and to solve various global legal problems. A total of 16 students (including a few students in the shortened two-year course) are accepted into the program each year. The full-time teaching staff of 18 people comprises 4 practitioner-teachers, including practicing lawyers. The School of Law emphasizes the fostering of legal professionals with a process that focuses on education of the law in association with the national bar examination and legal apprenticeships. Classes are separated into four broad categories, which are the fundamentals of theoretical law, fundamentals of practical law, classes adjoined with the

fundamentals of the law, and developing and current subjects. The School of Law's program uses a simulated and systematic education that provides its students with a practical grounding that links together legal theory and legal practice – a distinctive education that can meet the needs of a new legal era.

Clinical Legal Education and Research Center (the Law Center) was established in September 2006 with the purpose of providing education and research that specializes in legal practice.

(Notice: the School of Law is no longer accepting applicants.)

URL:<http://ewww.kumamoto-u.ac.jp/dept/lis/>

FACULTY OF **EDUCATION**
GRADUATE SCHOOL OF **EDUCATION**

■ 教育学部 ■

■ 教育学研究科 ■



Faculty of Education

■ Curricula

Elementary School Teacher, Junior High School Teacher,
Special Needs Education Teacher, School Health Teacher,
Local Community, Lifelong Sports and Welfare

■ Departments

Japanese, Social Studies, Mathematics, Natural Science, Music, Art, Health and Physical Education,
Industrial Technology, Living Sciences, Foreign Languages (English), Special Education, School Health,
Pedagogy, Psychology

Graduate School of Education

Educational Practices Major, School Subject Methods and Practices Major

■ Faculty of Education

The Faculty of Education was established in May 1949 under the new Kumamoto University system. It originated from schools such as the Kumamoto Teacher's High School created in 1874.

The Faculty of Education currently has four courses. One course trains teachers for the elementary school and junior high school levels, while a second trains teachers for other types of schools. The third course is a Lifelong Sports and Welfare course, established in April 1997. Its goal is to train specialists in educational areas involving social education and welfare. The final course is a Local Community Social Co-Existence course, established in April 2000.

In addition, at the Center for Educational Research and School Development, students can receive advice on matters related to educational practice, particularly what to do when problems occur on the job. The Center also engages in practical research.

■ Institution ■

Center for Educational Research and School Development

The Center analyzes and seeks practical solutions to the problems that arise in education. It also conducts research on what types of classes and curricula meet contemporary needs. To achieve these aims, it has established an Education Clinic Division, comprised of an Education Consultation Section and an Education Organization Section, and Education Curriculum Division. It also develops comprehensive, practical activities in cooperation with related organizations.

■ Special Courses ■

Course in Special Needs Education

This course is geared toward incumbent teachers as well as current students from Kumamoto University and toward students with a BA degree or higher from other universities. Through specialized instruction in special education, the course helps students to fulfill the requirements for their Diploma in Special Needs Education.

The course is designed to produce teachers who have specialized knowledge in the field.

Course in School Health

This course is meant to produce highly-qualified special education teachers. It is designed for those who already have their nursing license, as well as those who are in the process of obtaining it. The curriculum consists of general education subjects, specialized subjects in special education, and specialized subjects in teaching.

Students receive instruction with a balance of theory and practice.

■ Graduate School of Education

The Graduate School of Education has offered a master's course program since April 1986. The department currently offers two majors based on the three organizational principles of practical application, interdisciplinary education and current practice: Educational Practices Major - school education (pedagogy and psychology), special needs education, and school health nursing education - and School Subject Methods and Practices Major - Language Education (Japanese and English), Science and Mathematics Education (science and mathematics), Social Science Education (social studies), Technology and Human Life Science (technology education and home economics education), and Arts and Sports Education (music, art, health and physical education). Since the aim of the department is to improve the quality and qualifications of teachers, in-service teachers are also admitted. The school provides instruction in and conducts research on educational practices.

Students who complete the Graduate School of Education course receive a Master of Education degree. Students can also work to receive their teaching certificate.

URL: <http://www.educ.kumamoto-u.ac.jp/e/>



Faculty of Science

■ Department

Department of Science

■ Courses

Mathematics, Physics, Chemistry, Earth and Environmental Sciences, Biology

■ Faculty of Science

The Faculty of Science was established in May 1949 as one of the faculties under the new Kumamoto University system. It grew out of the science department of the Fifth High School, which was established in October 1887, and one part of Kumamoto Kogyo Senmon (Technical) High School. The Faculty of Science underwent some dramatic changes in 2004. The existing departments were merged into one department containing 5 courses. In addition, students are now able to decide what kind of educational program they want during their first two years after entering the university. Then, after accessing what course is right for their own needs, students choose a major in their junior year.

At the same time, the Faculty of Science provides detailed educational services that are targeted to individual students through the implementation of such things as a departmental staff tutoring system.

While conducting fundamental research, which is what

they specialize in, the Faculty of Science also actively conducts applied research in specific fields that meets the needs of communities and society. Although the path students take after they graduate usually involves obtaining employment in fields such as the government and other public offices, business, or the teaching profession, many students also choose to continue their education by entering a master's program.

URL:

<http://www.sci.kumamoto-u.ac.jp/index.html>



Faculty of Engineering

■ Department of Applied Chemistry and Biochemistry

Chemistry for Molecular Engineering, Chemistry for Materials Science, Biochemical Engineering, Bio-related Molecular Science

■ Department of Materials Science and Engineering

Eco-materials, Microstructure and Interface Control and Engineering, Material Physical Properties, Advanced Materials, Environmental Engineering Materials, Functional Materials Design

■ Department of Mechanical System Engineering

Intelligent Machine Design and Manufacturing, Intelligent System for Measurement and Control, Thermal and Fluid Engineering, High Pressure Engineering and Material Processing

■ Department of Civil and Environmental Engineering

Urban and Regional Design, Disaster Prevention, Infrastructural Development, Environmental Conservation

■ Department of Architecture and Building Engineering

Planning and Design, Environmental Engineering and Utilities, Structures and Construction, Building Production

■ Department of Computer Science and Electrical Engineering

Computer Science and Communication Engineering, Frontier Technology for Energy and Devices, Human and Environmental Informatics

■ Department of Mathematics and Engineering

Information Mathematics, Analysis of Complex Systems and Nonlinear Partial Differential Equations, Probability, Statistics

Faculty of Engineering

The origin of the Faculty of Engineering was the Department of Engineering of the Fifth High School, which was established in 1897. Since then, the university has turned out more than 30,000 alumni who are working actively all around the world. Thanks to an existing alumni network, graduates have been able to find work with many quality companies. Many other students choose to continue their education in a master's program after they graduate. The goals of the Faculty of Engineering are two-fold. First, it aims to contribute to the well-being of humankind and the development of society by creating the technology to help society co-exist with the global environment. Its second aim is to foster people with a rich sense of humanity who can contribute to the global and local communities by looking at things from a global point of view.

■ Institution ■

Engineering Research Equipment Center

Various measuring and testing instruments (LVP-SEM, XRD, ESCA, etc - about 20 models) are made available for advanced experiments and research by allowing their shared use.

Creative Engineering and Design Education Center

The center cultivates technologists with a rich sense of creativity and the ability to build innovations. It does this by developing and providing outstanding educational programs at the Faculty of Engineering.

URL: <http://www.eng.kumamoto-u.ac.jp/english/index.html>



Master's Course

■ Science

Department of Physics
 Department of Chemistry
 Department of Earth and Environmental Sciences
 Department of Biological Sciences

■ Mathematics

Department of Mathematics
 Department of Applied Mathematics

■ New Frontier Sciences

Department of New Frontier Sciences

■ Applied Chemistry and Biochemistry

Department of Applied Chemistry and Biochemistry

■ Materials Science and Engineering

Department of Materials Science and Engineering

■ Mechanical System Engineering

Department of Advanced Mechanical Systems
 Department of Intelligent Mechanical Systems

■ Computer Science and Electrical Engineering

Department of Computer Science and Communication Engineering
 Department of Frontier Technology for Energy and Devices
 Department of Human and Environmental Informatics

■ Civil and Environmental Engineering

Department of Environmental Conservation Engineering
 Department of Environmental Management and Planning

■ Architecture

Department of Architecture and Environment Planning
 Department of Building Materials and Structures

Doctoral Course

■ Science

Department of Mathematics
Department of Physics
Department of Chemistry
Department of Earth and Environmental Sciences
Department of Biological Sciences

■ New Frontier Sciences

Department of New Frontier Sciences

■ Advanced Technology

Department of Applied Chemistry and Biochemistry
Department of Materials Science and Engineering
Department of Advanced Mechanical Systems
Department of Intelligent Mechanical Systems

■ Computer Science and Electrical Engineering

Department of Computer Science and Communication Engineering
Department of Frontier Technology for Energy and Devices
Department of Human and Environmental Informatics
Department of Applied Mathematics

■ Architectural and Civil Engineering

Department of Environmental Conservation Engineering
Department of Environmental Management and Planning
Department of Architecture and Environment Planning
Department of Building Materials and Structures

■ Graduate School of Science and Technology

After restructuring in 2006, the Graduate School of Science and Technology (GSST) became a new research graduate school by integrating the teaching staff of the Faculty of Science and that of the Faculty of Engineering, to conduct post-graduate education with a strong focus on research. GSST now covers 9 research and educational fields in the Master's Course and 5 fields in the Doctoral Course. With rapid globalization in international communities, it has become vitally important to promote international collaboration with overseas universities, both in research and education, as well as collaboration with graduate schools, industry and government institutions in Japan, to be able to provide an international and interdisciplinary environment for the students.

We are committed to fostering students who can approach problems arising out of a wide range of complex issues with leadership and creativity, and to making GSST an international institution marked by the active creation of knowledge and the free exchange of ideas.

■ Institution ■

Global Joint Education Center for Science and Technology (GJEC)

For the future of graduate education, we need to promote globalization and to foster individuals with greater innovation skills through science and technology. To achieve this goal, it

is vital that students add depth to their basic skills in their field of specialization and that their innovative skills are applied with a wider vision. The Global Joint Education Center for Science and Technology (GJEC) was established in GSST in April 2007, and allows students to take courses in different fields to develop innovation skills. In GJEC, we also provide Advanced General Education subjects. These subjects provide students with a broad knowledge of topics across the fields of science and technology, and enhance their application of future academic skills in society.

Implementation Research and Education System Center for Reducing Disaster Risk (IRESC)

IRESC promotes education and research aimed at mitigating the effects of disasters, and at early implementation and sustainable development of a robust-and-resilient society with prompt and flexible disaster response systems. These systems are developed not only at universities but also during real-life application. This approach seamlessly links research technologies/techniques with their implementation in society as social science and engineering, and supports human resource development to establish a robust-and-resilient social system that can respond effectively to disasters.

URL:
http://www.gsst.kumamoto-u.ac.jp/index_en.html

SCHOOL OF **MEDICINE**

GRADUATE SCHOOL OF **MEDICAL SCIENCES**

GRADUATE SCHOOL OF **HEALTH SCIENCES**

■ 医学部 ■

■ 医学教育部 ■

■ 保健学教育部 ■



School of Medicine

■ School of Medicine

Subjects → Molecular and Cellular Biology, Molecular Genetics, Anatomy and Histology, Physiology and Biochemistry, Microbiology and Immunology, Pathology and Pharmacology, Social and Environmental Medicine, Internal Medicine, Surgery, Developmental Medicine, Bioethics, Sensory and Motor Medicine, Clinical Neurology and Psychiatry, Integrated Medicine

■ School of Health Sciences

Courses → Course of Nursing, Course of Radiological Sciences, Course of Medical Laboratory Sciences

Graduate School of Medical Sciences

■ Master's Course

Medical Sciences

■ Doctoral Course

Medical Sciences

Graduate School of Health Sciences

■ Master's Course

Health Sciences, Nursing

■ Doctoral Course

Health Sciences, Nursing

School of Medicine

The School of Medicine comprises the two sub-schools: the six-year School of Medicine and four-year School of Health Sciences. Graduates from the former become medical physicians after passing the National Examination for Medical Practitioners, while graduates from the latter become nurses, radiological technicians, and clinical technologists after passing the national examination for their specialty.

The School of Medicine has produced over 10,000 graduates since it was established as the independent Kumamoto Medical School in 1896. Specialized instruction in the field of medicine is conducted by faculty members of Medical and Life Sciences. The medical school constructs a curriculum framework that mostly reflects actual medical research and medical care. The curriculum focuses on fostering medical doctors who acquire a high level of personal communication skills. A new medical education and library building was completed in early autumn of 2008. The Center for Medical Education and Research was founded in October 2010 to promote a particular mission for education of medical professionals. This Education Center carries out the research on educational systems, the curriculum reform of medical school, and education of clinical medicine and practical techniques, etc.

The School of Health Sciences was established in October 2003 by integrating the University's former three-year College of Medical Science (which includes the special course of study in tocology) with the University's Department of Nursing from the Faculty of Education. The school aims to provide a spiritually rich education based on respect for life and humanity, along with a high level of specialized knowledge, and is cultivating medical staff, researchers, and educators that are highly-qualified to be able to contribute to many facets of society as members of medical teams.

Graduate School of Medical Sciences

The Graduate School of Medical Sciences was remodeled and established in April 2003 as a graduate school educational institution with the aim of cultivating medical researchers, educators, and advanced medical staff.

The graduate school consists of a four-year doctoral course and a two-year master's course that was established in 2002. The master's course (in Medical Sciences) was

created in response to the upsurge in medical and biological research, as well as societal needs. The course is designed for graduates of 4-year undergraduate programs. Each academic year sees 20 students enrolled, for a total of 40 students. Graduates of the master's course are encouraged to continue their education by enrolling in the doctoral course. The doctoral course (Medical Sciences specialty) contains 88 students per academic grade, for a total of 352 students. Personalized education with research guidance is supplemented by courses in experimental medicine and graduate school seminars. Students complete the course by publishing their original research results in an international academic journal and writing a comprehensive thesis.

Courses are taught by instructors who belong to approximately 90 diverse research areas and medical care fields from the following: the Faculty of Life Sciences, Kumamoto University Hospital, the Health Care Center, the Institute of Resource Development and Analysis, the Center for AIDS Research, the Institute of Molecular Embryology and Genetics, and the International Research Center for Medical Sciences.

URL: <http://www.medphas.kumamoto-u.ac.jp/en/medgrad/index.html>

Graduate School of Health Sciences

The Graduate School of Health Sciences was established in April 2008, and its doctoral program started in April 2010. The graduate school consists of the nursing course, the radiological sciences course and the medical laboratory sciences course. The school aims to foster specialists and produce researchers and educators who can incorporate a wide range of advanced medical knowledge to establish and develop the educational system of health sciences. Each department requires 2 years of study for the master's program and 3 years for the doctoral program.

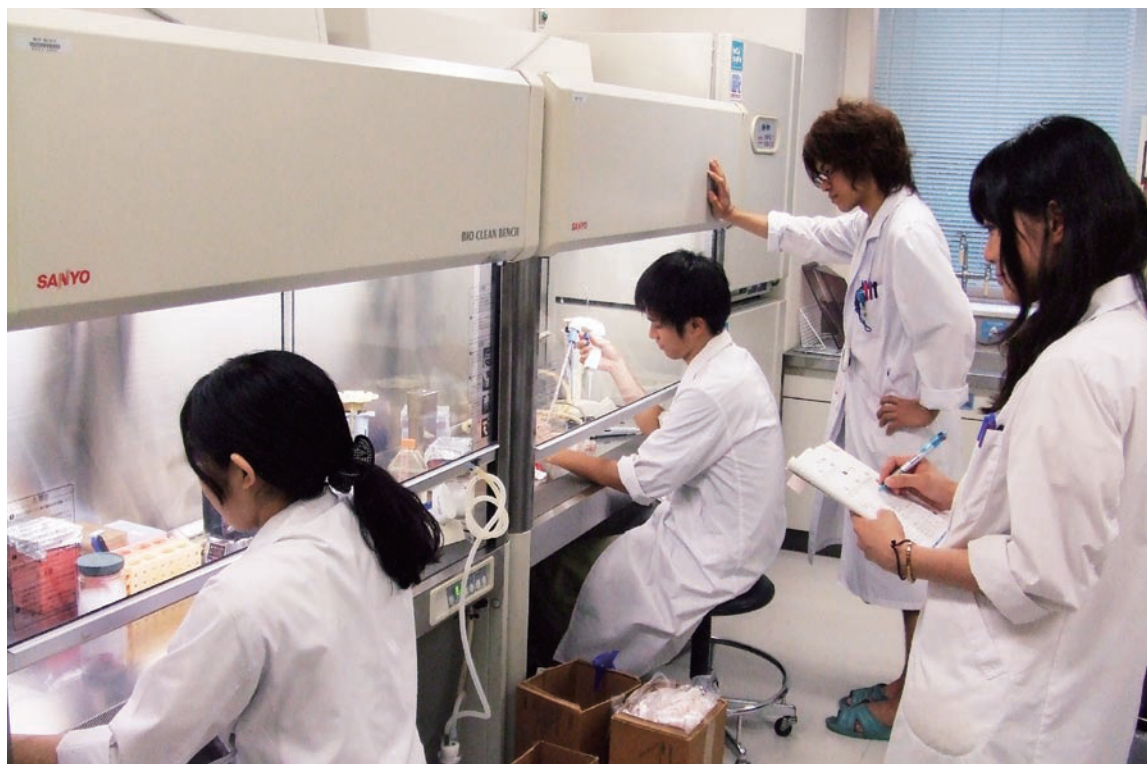
Each academic year of the master's program has room for a total of 16 students. Students can obtain a master's degree in either Health Sciences or Nursing. Each academic year of the doctoral program is limited to 6 students. Conditions for completion of the doctoral program require a successful review of a doctoral thesis and a passing grade on the final examination. Students can obtain a doctor's degree in either Health Sciences or Nursing.

SCHOOL OF **PHARMACY**

■ 薬学部 ■

GRADUATE SCHOOL OF **PHARMACEUTICAL SCIENCES**

■ 薬学教育部 ■

**School of Pharmacy**

■ Department

School of Pharmacy, School of Pharmaceutical and Life Sciences

■ Subject

Molecular and Genomic Pharmacy, Medicinal Chemistry, Life and Environmental Sciences, Clinical Pharmacy, Biomedical Polymer Sciences, Drug Delivery Sciences

Graduate School of Pharmaceutical Sciences

■ Master's Course

Pharmaceutical and Life Sciences → Drug Delivery, Bio-Pharma, Medicinal Chemistry, Life Science

■ Doctoral Course

Clinical Pharmacy → Pharmaceutical Health Care and Sciences, Clinical Pharmaceutical Sciences

Pharmaceutical and Life Sciences → Drug Delivery, Bio-Pharma, Medicinal Chemistry, Life Science

School of Pharmacy

The School of Pharmacy is based upon the belief that the pharmaceutical sciences are an integral part of science and that it contributes greatly to society in medicinal applications. Students acquire a basic knowledge of the creation, production and management of pharmaceutical products, covering environmental, health and sanitation issues as well as many other skills required to become a pharmacist. The school strives to produce creative graduates who are capable of the highest levels of pharmaceutical thought as well as basic logic, both of which are essential to life

sciences. The school conducts basic practical and clinical training together with modern lectures that focus on education, from the three perspectives of knowledge, technique, and bedside manner.

After graduating, students go on to work in various fields, as pharmacists in hospitals, pharmacies, pharmaceutical and chemical companies or in government and other public facilities. However, over half of the graduates continue their education at graduate level to become either pharmaceutical researchers or advanced pharmacists.

In 2006, the pharmaceutical sciences course was split into the School of Pharmacy, a six-year course for the cultivation of pharmacists, and the School of Pharmaceutical and Life Sciences, a four-year course focusing on the training of researchers.

■ Institutes ■

Research Institute for Drug Discovery

The Research Institute for Drug Discovery (RIDD) was created as a research facility and is staffed by members of the Pharmaceutical Sciences faculty at Kumamoto University. RIDD is made up of researchers from various fields connected with drug discovery and development, focusing on the development of novel clinical drugs and the education of outstanding researchers in this field. The first institute of its kind at a Japanese national university, the RIDD comprises four departments - Project Research Department, Private Enterprise Joint Development Department, Local Network Department and Research Support Department. The RIDD works to discover and develop therapeutically beneficial drugs that will bear the label, "Made by Kumamoto University."

Center for Clinical Pharmaceutical Sciences

The Center for Clinical Pharmaceutical Sciences (CCPS) was founded as a research and education institute for the Faculty of Pharmaceutical Sciences in April 2008. This facilitated the need for collaboration between the Drug Development Department and the Drugs Improvement Department in the pharmacy school. The CCPS performs this task by providing a Department of Education and a Department of Clinical Research, and is aiming to expand and promote education in the appropriate use of drugs. We welcome the involvement of our regional pharmacists and are committed to conducting research and educational activities that will advance the appropriate use of drugs.

Center for Medicinal Resources and Ecology (Medicinal Plant Garden)

Containing roughly 1,000 varieties of medicinal plants in the specimen and tree garden (3,100m²), the Medicinal Plant Garden contributes to educa-

tion in Pharmaceutical Science studies. The garden is home to a host of medicinal plants for use in studies and also contains a seedling nursery in the cultivation farm (3,700m²). The lab is devoted to the continued research and study of physiologically active materials taken from medicinal plants, genetic maintenance of medicinal plants, and acquisition of medicinal plants and the cultivation of medicinal plants. Seminars offered at the garden detail Kanpo Medicine and medicinal plants. These seminars are open to the general public and students alike.

■ Graduate School of Pharmaceutical Sciences

The Graduate School of Pharmaceutical Sciences was established in April 2003 by partially integrating the faculties of the Institute of Molecular Embryology and Genetics and the Institute of Resource Development and Analysis. This was preceded by the creation of the Faculty of Medical and Pharmaceutical Sciences by the merging Medical Sciences and Pharmaceutical Sciences.

Graduate students at the Graduate School of Pharmaceutical Sciences are taught by teaching staff from the Faculty of Life Sciences (founded in January 2010 by reorganizing the Faculty of Medical and Pharmaceutical Sciences), the Institute of Molecular Embryology and Genetics, the Institute of Resource Development and Analysis and Kumamoto University Medical School Hospital. By taking advantage of the individual strengths of each faculty member, a great number of programs can be provided by faculty members from the pharmaceutical sciences and medical fields cooperating to give special lectures in Bioethics and Medical Oncology and Translational Research, as well as in bioethical and logical diagnostics. In the Graduate School of Pharmaceutical Sciences, education is based on the foundation of basic pharmaceutical knowledge acquired during undergraduate studies.

The school aims to cultivate pharmaceutical researchers and advanced pharmaceutical specialists that can act independently and provide skilled leadership in a wide variety of fields, including bioscience research, the creation of medicinal products, and clinical, environmental and public health administration.

URL:

<http://www.pharm.kumamoto-u.ac.jp/phagrad/en/>



Faculty of Life Sciences

The explosive growth in life science research in recent years has caused the traditional boundaries between the fields of medical, health science and pharmaceutical research to be substantially disappeared. Due to that, and to the striking development of research in the area of interdisciplinary studies, we are now in an era where the integration of these fields has become essential. In order to respond to these developments, the former Graduate Schools of Medical Sciences, of Pharmacy and of Health Sciences were integrated. As a result, a graduate school with a new system that has a separate research department (faculty-only organization) and education department (educational organization) was established in April 2003. The faculty of Life Sciences is composed of 3 divisions, 13 major departments, and 74 departments of research, and is one of the largest research-oriented organizations with medical, pharmaceutical and health science university staffs in Japan. In the Division of Integrated Life Sciences, research is conducted with the aim of deepening the understanding of basic knowledge and theory in the fields of medicine, health science and pharmacy. In the Division of Advanced Biomedical Sciences, advanced research in the field of life sciences is conducted in such areas as transplantation therapy and new drug development. In the Division of Environmental and Sociomedical Sciences, along with scientific investigation of the link between both society and medicine/pharmacy as well as between disease and the environment, leading research related to life

theory is conducted. The mission of the Faculty of Life Sciences is to contribute to the health and well-being of mankind through research and education related to life sciences and medical care.

URL:
<http://www.medphas.kumamoto-u.ac.jp/en/faculty/index.html>



Centers and Institutes

Center for Management of Information Technologies

総合情報統括センター



This center, the Center for Management of Information Technologies, was established as the central organization to integrate the university computer systems and info-communication networks organically. Our mission is to develop education and research at Kumamoto University through information technology. To achieve the mission, we conduct research on information processing, support information-related research, and provide education on information literacy. We also provide, operate, and maintain computers and network equipment in our university.

URL: <http://www.cc.kumamoto-u.ac.jp/en/>

College of Cross-Cultural and Multidisciplinary Studies

グローバル教育カレッジ



The College of Cross-Cultural and Multidisciplinary Studies, with the Deputy Director of the Organization for Globalization acting as the College Director, is the core organization of the Organization for Globalization.

The college consists of three centers: The “Center for Global Communications”, the “Center for Japanese Language and Culture”, and the “Center for Open Education”. The College of Cross-Cultural and Multidisciplinary Studies will foster and expand a variety of measures, such as the global subjects provided, the enhancement of Japanese language and culture education, providing cooperative learning between high schools and the university, in addition to connecting with the local community and local businesses.

URL: <http://www.c3.kumamoto-u.ac.jp/en/>

Research Center for Higher Education

大学教育機能開発総合研究センター



The Research Center for Higher Education engages in surveys, research and curriculum development, faculty development (FD), quality assurance, Computer-Assisted Language Learning (CALL), student support and other educational issues for the improvement of teaching and learning in Kumamoto University.

The Center also contributes toward implementing the university's liberal arts curriculum in cooperation with the responsible organizations.

URL: <http://www.kumamoto-u.ac.jp/dept/research/>

Center for Policy Studies

政策創造研究教育センター



In April 2007, Kumamoto University integrated the Center for Lifelong Learning and the Center for Policy Studies, and the new center, the Center for Policy Studies has since been functioning as a think tank in the university. With this integration, the function as an interface with the community that was previously fulfilled by the two aforementioned centers separately is now strengthened.

Drawing upon the results of research and education accomplished at Kumamoto University to establish a better society, the center conducts policy studies to resolve problems in the community and makes policy recommendations based on the outcome. The center also helps community members to develop practical skills and provides them with technical support in resolving common issues challenging us today. Examples of the broad range of areas dealt with by the center include assessments of municipal administration and regional policies, community revitalization, disaster preparedness, city planning, public transportation, health and welfare policies, environmental conservation, and industrial development.

The center cooperates with other related bodies both on and off campus to provide people with training for community development, and also actively promotes lifelong learning of which contents are based on research in the areas of life, social, and natural sciences, which Kumamoto University has developed over the years.

URL: <http://ewww.kumamoto-u.ac.jp/dept/policy/>

The Memorial Museum of the Fifth High School

熊本大学五高記念館



Photograph by Toru Sakamoto

The Memorial Museum of the Fifth High School is composed of two historic buildings which have been designated as Important Cultural Properties, the main building of the Fifth High School and the Chemical Laboratory. It contains exhibits of historical documents relating to higher education and activities of the Fifth High School along with other relevant artifacts. In addition to these standing exhibits, the Memorial Museum of the Fifth High School offers lectures, lessons on cultural themes, experiential learning meetings, as well as concerts.

In addition, the museum serves as a training center for the museum curator training course at Kumamoto University, and also offers reference services. The support of lifelong learning and community activities are central to the mission of the Memorial Museum of the Fifth High School.

URL: <http://ewww.kumamoto-u.ac.jp/dept/fifth/>

Institute for e-Learning Development

e ラーニング推進機構



The Institute for e-Learning Development was established in April 2007. Just as the name suggests, the Institute is responsible for all e-learning affairs in the entire University. The missions of the Institute are mainly these four:

- (1) To offer organized services for all e-learning requirements
- (2) To develop e-learning courses and high quality content for effective education
- (3) To manage affairs related to intellectual property rights and obligations
- (4) To enable integrated and organized utilization of both human and computer resources for the development and implementation of e-learning in Kumamoto University.

URL: http://ewww.kumamoto-u.ac.jp/dept/e_learning/

Center for Marine Environment Studies

沿岸域環境科学教育研究センター



The center conducts education and research, in areas such as basic science and applied science, that focuses mainly on the marine environment around the Ariake Sea and the Yatsushiro Sea. More specifically, the center conducts educational research and analysis of the biodiversity and ecosystems of coastal areas, the preservation and development of sustainable marine resources, and preservation, development, and disaster prevention in ecologically balanced coastal areas. Center research is dedicated to the conservation and creation of improved coastal regions.

URL:<http://engan.kumamoto-u.ac.jp/index.html>

Magnesium Research Center

先進マグネシウム国際研究センター



Currently, there is strong demand from the transportation industry for ways to reduce the weight of structural components, in order to reduce both energy consumption and CO2 emissions. As magnesium is the lightest known structural metal, magnesium alloys are increasingly being used for use in a wide range of lightweight applications. The magnesium research center at Kumamoto University ("mrc.ku"), established in December 2011, has been extensively involved in a variety of magnesium-related research areas. These include alloy design, casting metal formation, mechanical properties, corrosion, surface treatment, and recycling. This group has also developed an international magnesium research network, particularly involving countries in the East Asia region. The main missions of "mrc.ku" are to (1) provide state-of-the-art research and education, (2) develop an international research network and (3) promote international joint research.

URL: <http://www.mrc.kumamoto-u.ac.jp/>

Institute of Resource Development and Analysis

生命資源研究・支援センター



The Institute of Resource Development and Analysis (IRDA) was established for the purpose of promoting comprehensive education and research in various scientific areas by providing diverse research resources and information.

Two major objectives of the IRDA are: 1) Production, development, preservation, and supply of experimental animals, including genetically engineered animals, and construction and analysis of databases using advanced bioinformatics, and phenotype analysis. 2) Research, education, enlightenment, data management and technical support for experiments using animals, genetic materials and radioisotopes.

URL: <http://irda.kuma-u.jp/en/index.html>

Center for AIDS Research

エイズ学研究センター

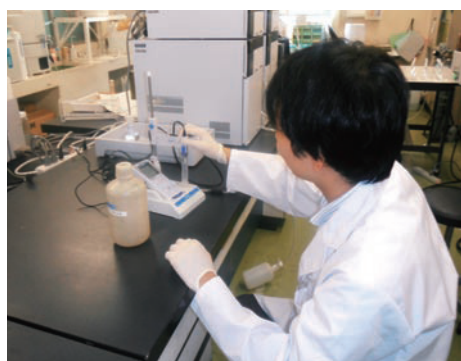


The Center for AIDS Research (CAIDS) conducts research on the pathogenesis, treatment, and prevention of AIDS. The center also promotes AIDS research by engaging in international and domestic collaborations. In 2008, our program "Global Education and Research Center Aiming at the Control of AIDS" was selected as one of the global Center of Excellence programs supported by the Ministry of Education, Culture, Sports, Science and Technology. CAIDS also promotes sciences at international level and education for the future global scientific leaders in the field of HIV/AIDS Research via this program.

URL:<http://www.caids.kumamoto-u.ac.jp/aidsnew/englishpage/default.html>

Environmental Safety Center

環境安全センター



The Environmental Safety Center was established in 2001 to manage environment and safety issues at the university and its surroundings. The center aims to maintain a satisfactory setting for students studying at the university as well as ensure the safety of its staff and students, and in doing so, contribute to the overall promotion of education and research.

The main services of the center are : 1) Safety management and environmental conservation, including chemical management, for students studying at the university, as well as all related education and awareness services. 2) Services related to proper management and disposal of waste products. 3) Services related to environmental measurements such as water quality and atmospheric tests.

URL: <http://ewww.kumamoto-u.ac.jp/dept/environmental/>

Research Center for Buried Cultural Properties

埋蔵文化財調査センター



The eight campuses of this university are built on top of some of the most famous remains from the Jōmon period down to modern times (Kurokami-machi-, Honjō-, Ōe-sites among others) in Kumamoto prefecture. Therefore, whenever it is inevitable to dig into the ground for maintenance of the facilities of the campuses (construction or repair of buildings, infrastructure), archaeological excavations are carried out in order to save the remains.

This center emerged as one of the Inter-Department Institutes for Education and Research in October 2011 from the Research Office for Buried Cultural Properties, which undertook excavations since 1994. The center's objectives are documentation, preservation and practical use of the excavated cultural properties (sites and finds). Excavation results are presented to the public in annual and other reports, and visitors are always welcome to study the original finds.

Photo: Potteries excavated from the ruins of the campus

Institute of Molecular Embryology and Genetics

発生医学研究所



The Institute of Molecular Embryology and Genetics aims to contribute to society through research activities and the education of students and young scientists by promoting the integration of life and medical sciences from the point of view of developmental biology and human diseases. This institute was founded in 1992, extensively reorganized in 2000 and 2009, with the three divisions (Developmental Regulation, Stem Cell Research, and Organogenesis) consisting of 12 departments. The research interests span such important areas as: epigenetics, protein regulation, DNA damage and repair, intercellular communications, ES and iPS cells, mesenchymal stem cells, hematopoietic differentiation, pancreas and liver development, brain morphogenesis, and kidney and genital development. The 21st Century Center-of-Excellence (COE) Program (2002-2006), followed by the global COE Program (2007-2011) in the Institute, entitled Cell Fate Regulation Research and Education Unit, leads to outstanding research and educational activities. The Center for Organ Regeneration Research newly started in 2012 to realize future regenerative medicine and scientific collaborations with the University Hospital. The Institute is one of the Joint Usage/Research Centers in Japan.

URL: <http://www.imeg.kumamoto-u.ac.jp/en/index.html>

Institute of Pulsed Power Science

パルスパワー科学研究所



Pulsed power is an instantaneous form of energy which, when temporally compressed, can exert a tremendous amount of electricity and power. In order to find solutions for various problems the international community is reaching for goals such as the realization of a society which is safe and secure, which fosters environmental protection and recycling, and which advances medicine and social welfare. We conduct development of pulsed power science and technology and work to resolve issues from the viewpoint of pulse power technology. In our international research environment, we produce global leaders with interdisciplinary skills. As a world-leading research center for pulsed power science and technology and related fields, and as an organization that will be at the global forefront in the creation of multidisciplinary human resources and innovation, we aim to grow as an institute that is a credit to Kumamoto, to Japan, and to the world.

URL: <http://www.ipps.kumamoto-u.ac.jp/>

Priority Organization for Innovation and Excellence

大学院先導機構



Priority Organization for Innovation and Excellence was established to contribute to the enhancement and development of educational research activities at Kumamoto University. It does so by enriching and improving the graduate schools, and by promoting the world's most advanced COE (Center of Excellence) Studies program, a highly evaluated program that encompasses life science, natural science, social and cultural sciences and interdisciplinary, multiple, or new disciplines base on organic cooperation between the fundamental sciences and the applied sciences. This has brought the creation of the new COE, a new research center and several new graduate courses (majors).

URL: <http://poie.kumamoto-u.ac.jp/>

Kumamoto University Innovative Collaboration Organization (KICO) イノベーション推進機構

The Kumamoto University Innovative Collaboration Organization (KICO) was established in April 2008 through the consolidation of the Cooperative Research Center, the Venture Business Laboratory and the Business Incubation Center. The organization's main missions are :

- Providing prompt and efficient one-stop service to assist in creating, obtaining and utilizing the university's intellectual property,
- Constructing strong interactions between government-academic-industry alliances and spurring innovation in the Kumamoto area,
- Using the university's intellectual property to develop the university's global competitiveness.

In order to achieve these missions, KICO strategically implements a broader range of activities including :

- Management, protection, transfer, and commercialization of the university's intellectual property, as well as support in filing patent applications,
- Promotion of collaborative and commissioned research with companies and public institutions,
- Human Resource Development to produce individuals who have a thorough knowledge of global intellectual property.

Through these activities, KICO aims to develop through open innovation, build a firm foundation for evolving research results, and cultivate progressive individual talent.

Organization for Globalization

グローバル推進機構

In 2014, Kumamoto University was chosen by the Ministry of Education, Culture, Sports, Science, and Technology (MEXT) as a member of the "Top Global University Project", as a leading model to lead university reform in Japan, cultivate global human resources leadership, and actively promote globalization efforts at home and abroad.

The Organization for Globalization was established on March 1, 2015, to address university-wide globalization.

Organization for General Education

教養教育機構



Amidst the ongoing globalization of the 21st century economy and rapid progress in the international division of labor, the liberal arts have gained renewed appreciation for their universality. Kumamoto University is focusing on liberal arts education (language education and general education) to develop students' skills in understanding diverse values, critical thinking, and communications. The Organization for General Education is a university-wide body that was established to implement and administer liberal arts education.

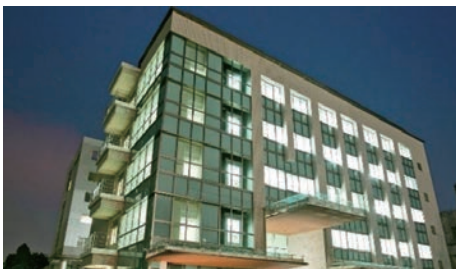
Organization for Community Development

地域創生推進機構

This organization is working to plan and promote local community-oriented education and research and university-wide contributions to society. We also aim to develop young talent, and to become central to the promotion and revitalization of the community to meet changing social expectations. Our focus includes the promotion and utilization of community-oriented education and research, the provision of various learning opportunities, and collaborations with local governments. We will present regional problems to the classrooms to seek solutions, and contribute community problems solving with researches and social activities. We aim to nurture individuals who will proactively learn from the community, and who will be able to think and act locally on their own initiative.

International Research Center for Medical Sciences

国際先端医学研究機構



The International Research Center for Medical Sciences (IRCMS) was launched as the managing organization in April of 2015 to oversee Kumamoto University's Center of Excellence for world-class research in the life sciences. The center partners with other life science institutes in Kumamoto University to promote collaborative international research with distinguished research institutes overseas, and scouts and trains young investigators who contribute to ground-breaking discoveries in the medical sciences.

The center aims for 50% foreign researcher population, including Ph.D. graduate students. To reach this goal, the research environment within the IRCMS is equivalent to world-class research institutes found in western countries, and makes provisions for smooth international research collaborations.

The center has designated English as the official language, and features an open lab layout with few walls and partitions between labs to facilitate communication among scientists. It is expected that this will promote fusion research between the various fields within the institute.

URL: <http://ircms.kumamoto-u.ac.jp/>

Health Care Center

保健センター



The Health Care Center is located on the Kurokami North Campus. Three physicians, one clinical psychotherapist and two nurses are available during normal school hours for consultation and treatment. The service is free to all members of the University community.

URL: <http://ewww.kumamoto-u.ac.jp/dept/health>



University Hospital

■ Division of Internal Medicine

Respiratory Medicine, Gastroenterology and Hepatology, Hematology, Rheumatology and Clinical Immunology, Nephrology and Hypertension, Diabetes, Metabolism and Endocrinology, Cardiovascular Medicine, Neurological Medicine

■ Division of Surgery

Cardiovascular Surgery, Thoracic Surgery, Gastroenterological Surgery, Breast and Endocrine Surgery, Pediatric Surgery, Transplantation, Urology, Gynecology

■ Division of Child Health and Development

Pediatrics, Obstetrics

■ Division of Sensory and Motor Organs

Orthopaedic Surgery, Dermatology, Plastic and Reconstructive Surgery, Ophthalmology, Otolaryngology-Head and Neck Surgery, Oral and Maxillofacial surgery

■ Division of Radiology

Diagnostic Imaging and Interventional Radiology, Radiation Oncology

■ Division of Anesthesia, Neurosurgery and Psychiatry

Neuropsychiatry, Neurosurgery, Anesthesia

■ Departments

Laboratory Medicine, Surgical Center, Central Radiology, Intensive Care Unit, Central Medical Supply, Rehabilitation, Surgical Pathology, Transfusion Medicine and Cell Therapy, Emergency and General Medicine, Infectious Diseases, Dialysis Center, Endoscopic Diagnostics and Therapeutics, Department of General Clinical Investigation, Medical Information Technology, Pharmacy, Nursing, Medical Technology, Department of Clinical Nutrition, Patient Safety Unit, Administration

■ Centers

Comprehensive Clinical Education, Training and Development Center, Innovation Center for Translational Research, Medical Liaison Center, Perinatal Medical Center, Cancer Center, Medical Engineering Center, Regional Medical Support Center, Medical Quality Management Center, Transplantation Center

Kumamoto University Hospital comprises medical examination departments, a pharmaceutical department, a nursing department, and central consultation facilities, among other features. The hospital has 845 beds and over 1,300 outpatients per day.

The hospital is currently advancing redevelopment plans such as the opening of a new Outpatient Building in September 2014, with the aim of constructing a university hospital that will be able to handle the medical science and medical care needs of the 21st century. Through this, the hospital is promoting the establishment of a comprehensive medical care system that combines advanced medical treatment and comprehensive holistic medical treatment. As a part of this, the divisions of medical treatment shifted to an overall medical care system categorized by each internal organ and body system starting in January 2004. Additionally, the hospital was designated as a Center of Prefectural Cancer Treatment and Center of Liver Disorder Treatment.

As the only Advanced Treatment Hospital in Kumamoto prefecture, the hospital is now focusing on improving the standards of healthcare for the local community.

Mission

Kumamoto University Hospital is dedicated to excellence in patient care, developing improved methods of healthcare, and developing health professionals and students. Members of the staff also contribute communities for their welfare and health.

Vision

- ◆ **Patient First:** We dedicate to excellence in patient care for respecting patient's wishes, anticipations and requests.
- ◆ **Excellence:** We provide high-quality health care in a safe and reliable manner.
- ◆ **Teamwork:** We develop positive role health professionals.
- ◆ **Innovation:** We develop and improve the method of healthcare.

Patient Rights

- ◆ Right to medical care of good quality
- ◆ Right to information
- ◆ Right to self-determination
- ◆ Right to confidentiality

Patient Responsibilities

- ◆ To provide accurate and complete information about your health
- ◆ To follow any of hospital rules
- ◆ Not to disturb hospital peace

URL: <http://www.kuh.kumamoto-u.ac.jp/en/index.html>

University Library

附属図書館



The University Library is composed of the Central Library, the Medical Library and the Pharmacy Library. It provides information resources and services to support the University's educational and research activities.

The Central library is open from 8:40 a.m. to 10:00 p.m. Monday to Friday, and 12:00 a.m. to 6:00 p.m. Saturday and Sunday.

Library Holdings (As of March 31st, 2015)

	Books	Periodicals
Central Library	1,048,662	14,900
Medical Library	175,557	5,279
Pharmacy Library	39,309	1,037
Total	1,263,528	21,216

Special Collections of Books and Manuscripts

1. The Aso Manuscript Collection

This impressive collection of historical documents, formerly kept at Aso Shrine, contains a wealth of information relating to the Nanbokucho and Kamakura Periods. Of the 1,047 items of this collection, 34 volumes of 304 letters and 36 manuscripts have been designated as Important Cultural Properties.

2. The Hosokawa Manuscript Collection

This is the largest collection of primary source materials on the administration of the Hosokawa government (Hosokawa Han), ranging from the Nanbokucho Period to the early Meiji Period.

3. The Lafcadio Hearn Collection

This is an extensive collection of various editions of the works of Lafcadio Hearn and fundamental research materials about Hearn, chiefly in English. It contains his English translations of Anatole France, Gustave Flaubert, and Theophile Gautier.

URL: <http://www.lib.kumamoto-u.ac.jp/>



The Hosokawa Manuscript Collections

LOCAL AND OVERSEAS OFFICES

Local Offices

Kumamoto University Tokyo Office

東京オフィス

Established: April 2004

- Scope:
1. Provides support for university-industry collaborations
 2. Offers information regarding the educational research activities of KU to businesses, the government, and other public offices and organizations
 3. Offers information regarding entrance exams to prospective students, and provides support to KU students who are seeking jobs
 4. Collaborates with alumni associations
 5. Conducts seminars and organizes various gatherings



Kumamoto University Kansai Office

関西オフィス

Established: December 2011

- Scope:
1. Provides support for university-industry collaborations
 2. Offers information regarding the educational research activities of KU to businesses, the government, and other public offices and organizations
 3. Offers information regarding entrance exams to prospective students, and provides support to KU students who are seeking jobs
 4. Collaborates with alumni associations
 5. Conducts seminars and organizes various gatherings



Kumamoto University Kansai Liaison Office

関西リエゾンオフィス

Established: October 16, 2009

- Scope:
1. Promotes collaboration with industry and government offices in the Kansai region, and promotes technology transfers
 2. Provides technical consultation, and conducts meetings and collaborative research gatherings
 3. Exhibits research processes and engages in public relations activities
 4. Distributes pamphlets and provides information about the entrance exams of KU, and assists students in finding jobs
 5. Collaborates with alumni associations
 6. Conducts seminars and other gatherings

Address: South Facility #2203, Creation Core Higashi Osaka 1-4-1 Aramoto Kita, Higashi Osaka City, Osaka 577-0011, Japan
E-mail: kansai@kumamoto-u.ac.jp



Overseas Offices

Kumamoto University Shanghai Office

上海オフィス

Established: October 2005 (Became a part of the Kumamoto Shanghai Office, which was established jointly with Kumamoto Prefecture and Kumamoto City in October 2011)

- Scope:
1. Promotes academic and student exchanges with partner institutions
 2. Cultivates Chinese students who are interested in studying at KU, and assists students who are preparing to come to KU to study
 3. Promotes the international collaboration of the university, industry and government
 4. Provides information about KU and its entrance exams, and assists with public relations activities
 5. Supports alumni activities

Address: 1509 15/F, 1038 WEST Nanjin Road, Shanghai 200041, China
TEL: +86-21-6218-6901 E-mail: hehaiyang@kumamoto-shanghai.com



Kumamoto University Liaison Office at KAIST

韓国オフィス

Established: September 2008

- Scope:
1. Promotes research collaboration
 2. Supports the joint symposiums of KU and KAIST
 3. Provides information about KU and its entrance exams, and assists with public relations activities

Address: KAIST Biomedical Research Center 291 Daehak-ro (373-1 Guseong-dong), Yuseong-gu, Daejeon 305-338, Korea



Global Academic-Industry Collaboration Satellite Office in Shandong University 山东大学オフィス (中国)

Kumamoto University and Shandong University (Jinan City, Shandong Province, China) signed a memorandum on March 22, 2010 to mark the establishment of satellite offices to promote personnel exchanges and mutual friendship between the two universities in the field of academic-industry collaboration. Based on this agreement, a KU satellite office was opened in the Department of Academic Research of Shandong University, and a Shandong University satellite office was set up in the Kumamoto University Innovative Collaboration Organization (KICO).

Established: March 2010

Scope:

1. Promotes the collaboration of university, industry and government
2. Promotes academic exchange
3. Provides information about KU
4. Functions as a center for KU activities in China



Kumamoto University Liaison Office at ITS

インドネシアオフィス

Established: April 2010

Scope:

1. Promotes academic and student exchanges with partner institutions
2. Cultivates Indonesian students who are interested in studying at KU, and assists students who are preparing to come to KU to study
3. Promotes international collaboration of the university, industry and government
4. Provides information about KU and its entrance exams, and assists with public relations activities
5. Supports alumni activities

Address: ITS International Office Gedung Rektorat Lantai 2 Kampus ITS Keputih – Sukolilo Surabaya Jawa Timur, 60111 Indonesia
TEL: +62-31-596-6985 E-mail: mia.hernawati.sby@gmail.com



Kumamoto University Dalian Office

大連オフィス

Established: March 2011

Scope:

1. Provides information regarding Japan and KU to students and the faculty of Dalian University of Technology and partner institutions in northern China
2. Builds networks of alumni and other relevant people in northern China
3. Strengthens the relationship with other partner institutions in northern China
4. Promotes KU's various activities in northern China

Address: No.2 Linggong Road, Ganjingzi District, Dalian City, Liaoning Province, 116024, China
TEL: +86-411-8470-6251



Six National Universities Network (SUN) Changchun Joint Office 国立六大学長春共同オフィス

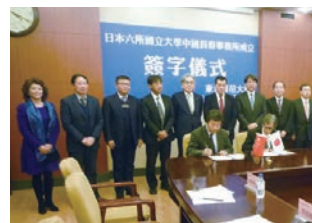
As a first joint office of Six National Universities Network (SUN) which consists of Chiba University, Niigata University, Kanazawa University, Okayama University, Nagasaki University and Kumamoto University.

Established: November 2014

Scope:

1. Provides information regarding Japan and SUN to students and the faculty of partner institutions in northeastern China
2. Builds networks of alumni and other relevant people in northeastern China
3. Strengthens the relationship with other partner institutions in northeastern China
4. Promotes SUN's various activities in northeastern China

Address: Jingyue Campus of Northeast Normal University, Changchun, Jilin, China
TEL: +86-431-8451-6278



A Leading University Cultivating Global Leaders from Kumamoto

Kumamoto University has been selected by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) for the 2014 Top Global University Project. Our slogan is “A Leading University Cultivating Global Leaders from Kumamoto,” and, accordingly, we aim to refine our education to shape ourselves into a truly global university. We plan to act as a driving force for globalization in Kumamoto and strive to take our place in the world as a center for research that also contributes to the community.

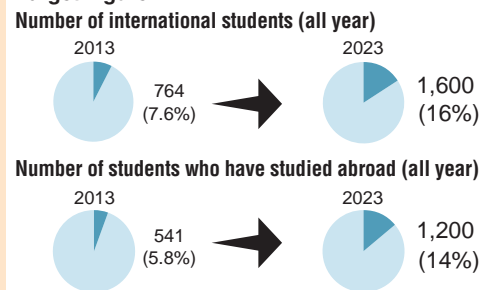


The Future of Kumamoto University as a Global University

1. An education system highly conducive to internationalism

We are introducing a new education system that is compatible with the academic year of other countries and allows graduate students to enroll early or study abroad, and offers flexible credit transfers. This system accelerates an increase of international students and Japanese students who study abroad.

Target Figure



2. Global atmosphere for the inclusion of international students

We want to enhance our high quality curriculum to students learning about Japanese culture to promote enrollment of international exchange students. Additionally, we will offer a variety of services, including support and advice for exchange students and promotion of international networking events. New building for the College of Cross-Cultural and Multidisciplinary Studies is to be completed in spring 2016.



3. Strengthened and globalized graduate education to support cutting-edge research

We are beginning a global education program that applies to both undergraduate and graduate-level studies with the aim of educating elite graduates going on to be active throughout the world. We send students to partner universities in the US and Europe to offer double degrees and support collaborative research.

Double Degree Program Partners (Graduate School)

- Institut Teknologi Sepuluh Nopember (ITS), Indonesia
- Institut Teknologi Bandung, Indonesia
- National Kaohsiung First University of Science and Technology, Taiwan
- Southern Taiwan University, Taiwan
- AGH University of Science and Technology, Poland
- Paichai University, Korea
- University of Bordeaux, France
- Blasé Pascal University, France

4. Global campus as a driving force for internationalization in the local community

We provide opportunities for local youth to receive an early global education and assist study abroad programs.



The Project for Planning and Promoting Local Community-Oriented Education

The purpose of The Project for Planning and Promoting Local Community-Oriented Education (also called “COC”) is to develop human resources who study in the community, take on different problems with creativity, and contribute to the progress of society from a global perspective. In other words, the nurturing of talented individuals who are brimming with the “Spirit of Kumamoto University.” Major changes in society such as depopulation have brought deeply-interwoven problems to the local communities of Kumamoto Prefecture as well.

Specifically, the urban center of Kumamoto Prefecture faces challenges such as groundwater conservation and urban development as an academic city. In the south of the prefecture, communities need to address the environmental restoration of Minamata City and the enhancement of its agricultural sector, to help in the promotion of primary producers’ diversification into processing and distribution. In the north of the prefecture, disaster mitigation and urban development utilizing the assets of green tourism are important measures. Finally, the Amakusa region aims to protect the environment of the Ariake Sea and to develop urban areas while preserving community-oriented healthcare.

Kumamoto University will incorporate these community issues and solutions into its education through the Center of Community Project, and make every effort to reform the university organization and curricula to produce talented individuals who proactively learn from the community, think effectively by using their special knowledge, and take action on their own. Further, we intend to enhance our community-oriented education, research and social contribution systems in collaboration with the prefectural government, municipalities and economic organizations, to help address the issues facing regional society.



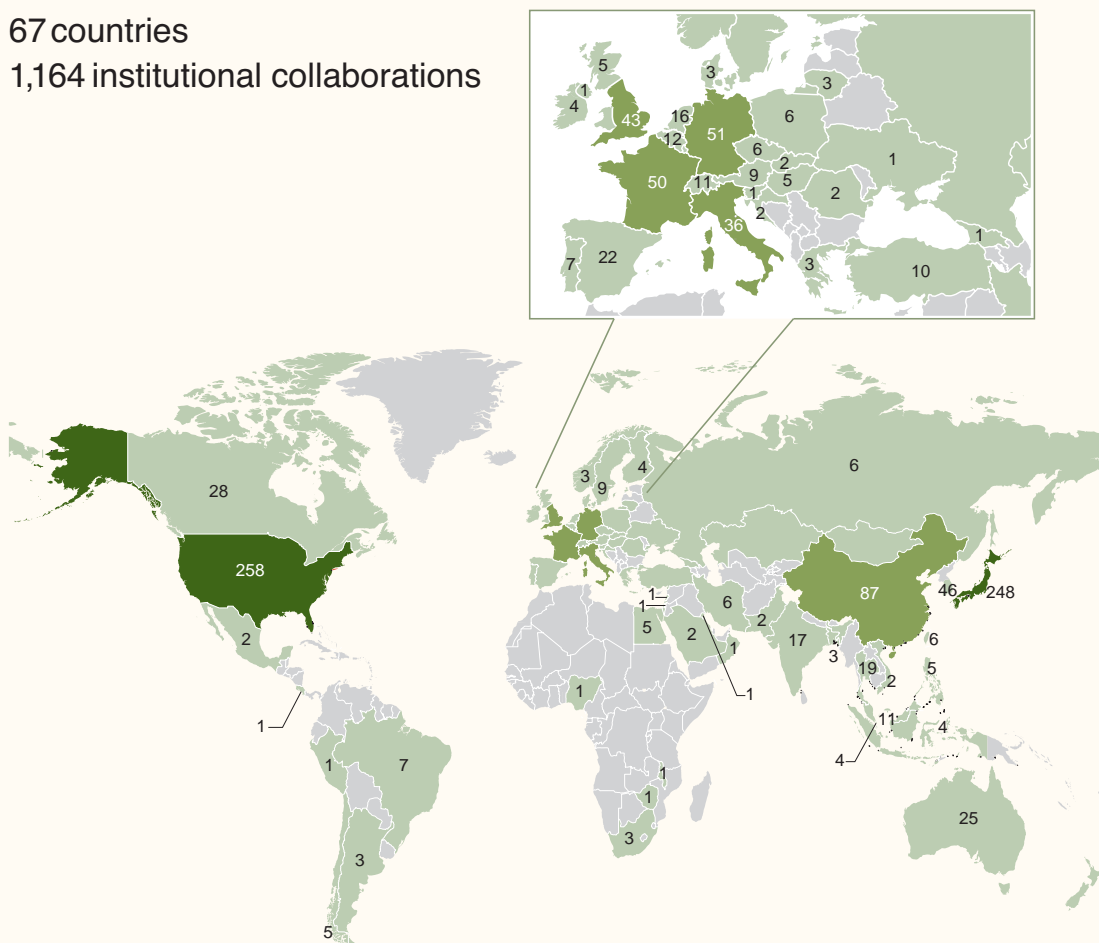
Program for Promoting the Enhancement of Research Universities

As we were selected for the “Program for Promoting the Enhancement of Research Universities” by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in 2013, we have established international collaborative research groups for life sciences, natural sciences, and humanities and social sciences in order to globalize and strengthen our research activities. Under the management of top professors in each research group, we invite researchers from abroad, recruit talented young researchers, regularly hold international seminars, establish overseas joint laboratories, and do much more.

Institutions Collaborating with Kumamoto University(2006-2015)

Kumamoto University is currently working with 1,164 international institutions and we actively promote new collaborations to deliver quality research.

67 countries
1,164 institutional collaborations



Top 10 Institutional Collaborations by Number of Publications




No	University / Institution	Number of Publications	Country
1	National Institutes of Health (NIH) - USA	130	USA
2	Chulalongkorn University	100	THAILAND
3	Centre National de la Recherche Scientifique (CNRS)	94	FRANCE
4	Mahidol University	92	THAILAND
5	NIH National Cancer Institute (NCI)	83	USA
6	Harvard University	78	USA
7	Chest Disease Research Institute - Thailand	76	THAILAND
8	University of California System	68	USA
9	Chinese Academy of Sciences	46	CHINA
10	University of Michigan	38	USA
10	University of Michigan System	38	USA
10	Purdue University	38	USA
10	Purdue University System	38	USA
10	University of Southern California	38	USA
10	Seoul National University	38	SOUTH KOREA

ADVANCED RESEARCH PROJECTS

■ Group for Globally-advanced Research ■

Project Leader	Program Title	Program Overview
<p>AKIYAMA Hidenori, Institute of Pulsed Power Science</p> 	<p>Pulsed Power Science and Application</p>	<p>Pulsed power is an instantaneous energy - electrical energy, chemical energy, mechanical energy, optical energy and the like - which, when temporally compressed, can exert a tremendous amount of electricity and power. The magnitude of this type of pulsed power is equivalent to electric power consumption in Kyushu, in Japan, even globally.</p> <p>This group boasts facilities and equipment of the world's highest level, including the sole comprehensive explosion experiment facility of all Japanese universities; the only bioelectrics research facility in Japan; pulse power infrastructure equipment of great variety at world-class levels; and the world's first super-gravity generation equipment, developed at Kumamoto University. In addition for use with its own research, the Institute provides facilities and equipment to researchers in disparate fields of both enterprises and other universities, and as such is widely deployed in related fields of pulsed power science and technology.</p> <p>In order to find solutions for various problems the international community is facing such as the realization of a society which is safe and secure, which fosters environmental protection and recycling, and which advances medicine and social welfare, we conduct development of basic research and new theories in pulsed power science and technology and in its related fields and work to resolve issues from the viewpoint of pulse power technology. Under an environment of international research, we produce international leaders of an interdisciplinary type.</p>
<p>NISHINAKAMURA Ryuichi, Institute of Molecular Embryology and Genetics</p> 	<p>Stem Cell-Based Tissue Regeneration Research and Education Unit</p>	<p>This group was established by Kumamoto University in 2013 for the purpose of consistently promoting the scientific activities of the Global COE Program, funded by the Ministry of Education, Culture, Sports, Science and Technology from 2007 to 2011. We aim to establish an education and research unit that will foster creative researchers who focus on stem cell-based developmental medicine.</p> <p>Stem cell research is one of the most attractive fields in biomedical science, and the expectations for regenerative medicine are rising, as the derivation of human iPS cells has theoretically opened the door to the regeneration of organs and tissues. To achieve this goal, however, a deeper understanding of broad areas of science including developmental biology is crucial. We have recruited leading researchers with various backgrounds, including those from the fields of medicine, pharmacology, and developmental biology. Our research topics include the molecular mechanisms of stem cell maintenance, lineage specification of early-stage embryos, the establishment of iPS cells from patients, the development and regeneration of the pancreas, kidneys, eyes, and neurons, as well as epigenetics and metabolisms in diseased states. We expect that these research activities will synergistically contribute to a better understanding of organogenesis and to strategies to treat diseases. We have already seen seminal achievements during these three years. They include the induction of three-dimensional kidney tissue from human iPS cells, the derivation of insulin-producing pancreatic cells from ES cells in mice, a method of eliminating the undifferentiated cells during tissue differentiation, position-dependent cell fate decisions between the embryo proper and placenta, and epigenetic control of energy expenditures and cancers.</p> <p>This group also seeks to encourage young scientists in research fields related to stem cells and organogenesis. We support these young scientists by providing in-house grants, travel expenses, and many other benefits. We hope that young researchers training in this program will interact and motivate each other to build a global next-generation network in developmental medicine. We are confident that this environment will help young postdocs and students become globally oriented independent scientists.</p>
<p>TAKIGUCHI Masafumi, Center for AIDS Research</p> 	<p>International Research Center Aiming at the Control of AIDS</p>	<p>More than 30 million people are living with HIV-1 worldwide, and roughly two million people die of AIDS-related illnesses each year. Among developed countries, Japan has been experiencing increased incidences of HIV infection. Thus, HIV/AIDS remains a substantial threat to the global health, and developing an HIV vaccine and therapies to cure HIV/AIDS have been the ultimate goal. New program "International Research Center Aiming at the control of AIDS" will establish an enhanced international research and education core based on the framework of the successfully implemented global COE "Global Education and Research Center Aiming at the Control of AIDS" Program over the five years. To further expand international collaborations, research effort will be reorganized and place a renewed emphasis on studies leading to the development of 1) new therapies to cure HIV/AIDS and 2) an HIV/AIDS vaccine. This program will also enhance educational opportunities for Ph.D. students and assume its role as a top-level international graduate school. The current internationally open educational system in the AIDS course provides overseas research experience. The new program will increase the number of students who will perform research at the Overseas Liaison Laboratories (OLL) and enhance the quality of education.</p>

■ Cultural and Social Sciences ■

Project Leader	Program Title	Program Overview
SUZUKI Katsuaki , Graduate School of Instructional Systems 	Creation of Research and Diffusion Center of Instructional Systems: Development and Diffusion of an Intensive Certificate Package to Train Education Specialists for Supporting Recurrent Adult Graduate Students	This project aims at establishing Research and Diffusion Center of Instructional Systems to create and export an intensive program for future and current college faculty, to be able to support recurrent adult graduate students. An intensive certificate package will be created, based on our fully online curriculum for training e-learning specialists, to be used in other graduate schools throughout Japan and abroad.
INABA Tsuguharu , EISEI-BUNKO Research Center 	Socio-Cultural Study based on the Daimyo Hosokawa's Historical Documents	The Daimyo Hosokawa's Historical Documents are entrusted to the library of Kumamoto University. We planned the project, with the intent of organizing central research of appropriate historical materials through comprehensive study of that archives, aiding cultural development of the community, and contributing to the cultivation of human resources who can then further contribute to cultural development and studies.
ITO Hironori , Faculty of Law 	Center of Excellence in Conflict Transformation and Consensus Building	The project aims to construct an interdisciplinary science of dispute resolution which entails two tasks; (1) Building consensus between stakeholders in political and/or social issues which are in need of some form of collaborative dialogue, as well as building a new system of policy-making, (2) Reaching a new stage of human relationships and a new image of society which need not suppress conflicts, instead transform the conflicts into a process in which a breakthrough to a new image of society is possible. Our project encompasses political science, economics, law, communication method, and philosophy. Once again, our goal is not to create a society without conflicts but instead develop a society with the necessary skills to transform conflicts into a process in which a breakthrough to new form of society is possible.

■ Natural Sciences ■


Project Leader	Program Title	Program Overview
KAWAMURA Yoshihito , Magnesium Research Center 	International Center of Excellence for Research and Education of <i>KUMADAI</i> Magnesium Alloys	One current global environmental strategy to reduce CO ₂ gas emission is to achieve total weight reduction in transportation, especially relating to automotive, railway, and aerospace applications. Magnesium alloys have a light weight among structural metals, and are therefore very attractive materials for the weight-savings initiative. New magnesium alloys possessing excellent mechanical properties and non-flammability have been developed at Kumamoto University and are called " <i>KUMADAI</i> magnesium alloys." This project aims to progress the research and development on these alloys for their practical application and to establish international research networks with universities, institutes, and industries, for advanced magnesium alloy science and technology.
MACHIDA Masato , Graduate School of Science and Technology 	Energy Materials Chemistry (EnMaCh)	This project is to develop new materials for sustainable energy production and utilization. The research topic is ranging from fundamentals to applications for conversions of different forms of energy, the efficiency of which is largely dependent on highly functional materials such as catalysts, photovoltaic cells, fuel cells, batteries, and capacitors.
YOSHIASA Akira , Graduate School of Science and Technology 	Precise atomic level structure observation and physical property of condensed matter under extreme condition	Experimental and simulation studies are promoted to investigate the structure of condensed matters and properties under extreme conditions. The experiments are performed in-situ, using technologically advanced equipment. The project aims at the construction of a theory that links nano-scale structures, the unique local structures of ppb-order trace elements in multi-element systems, macroscopic properties and histories (related to environmental assessment, understanding mass extinction events by meteorite impact etc.).
MASHIMO Tsutomu , Institute of Pulsed Power Science 	Materials science research using extreme conditions	In my laboratory, unique materials science research has been conducted in several extreme conditions: shock compression, strong gravitational field and pulsed plasma in liquids. We have specialized in shock compression research of solids for high-pressure phase transition & EOS study (APS fellow, 2011), and, recently we are focusing on pressure-scale problem. Next, we have developed a high-temperature ultracentrifuge, and, for the first time, succeeded in realizing the gravity-induced diffusions of atoms and gravity-induced structure change in alloys and compounds. Strong gravitational field is expected to exploit a new frontier of materials science, and such research is only-one in the world. We have also developed a new nanomaterials synthesis method by the pulsed plasma in liquid. It enables us to synthesize nano particles of metals carbon and compounds for energy, environment and medical applications.
TODA Kei , Graduate School of Science and Technology 	Center of Mesoscopic Science	Mesoscopic science is a new research area regarding novel materials, devices and natural sciences in meso-scales. The mesoscopic researches are proceeded from both of bottom-up of nano-scale (1-10 nm) sciences and down-sizing of macro-scale (>100 μm) sciences to yield fundamentals knowledge and skills such as meso-scale syntheses and analyses. The members share the found information and apply them to novel materials for electric/energy devices, developing analytical devices and investigating environmental sciences. Dynamics in atmospheric particle matter such as PM2.5 is also a meso-scale chemistry.

ADVANCED RESEARCH PROJECTS

■ Life Sciences ■

Project Leader	Program Title	Program Overview
SUGIMOTO Yukihiko, Faculty of Life Sciences 	Global Research Center for Structure-Based Drug Discovery	This project aims to promote innovative and intelligent studies on structure-based drug discovery for the treatment of intractable diseases such as inflammation, fibrosis, cancer and neurodegeneration. This project also aims to cultivate pharmaceutical researchers and advanced pharmaceutical specialists that can provide excellent leadership in a wide variety of fields including the creation of medicinal products, clinical, environmental and public health administration.
TANIHARA Hidenobu, Faculty of Life Sciences 	Center for Sensorimotor & Neural Sciences in the Unprecedented Aging Society	In aged societies including Japan, medical care against age-related disability is important for maintenance of better quality of life (QOL) in elderly population. This project aims to develop novel drugs and other therapeutic modalities for age-related problems such as visual disturbance, locomotive syndrome, neurodegenerative disorder, diabetes mellitus and skin disorder. We also aim to create new therapeutic concepts (including regenerative therapy) based upon close interaction between clinician scientists and basic researchers.
BABA Hideo, Faculty of Life Sciences 	Research and Education Center for Metabolic Abnormality and Cancer	Cancer is the first leading cause of death in Japan. Recently, accumulating evidence demonstrates that genetic and epigenetic alterations seem to contribute to the regulation of metabolic gene expression in cancer cells, thus supporting the potential of "cancer metabolism" as a target for cancer therapy and chemoprevention. In this project, we aim to establish an international research and education center targeting cancer and cancer metabolism. Unique translational research projects are carried out in collaboration with campus-intern and/or international partners.
NAKAGATA Naomi, Institute of Resource Development and Analysis 	Kumamoto BioResource Project (KBRP)	Genome editing is a powerful technique used to generate knockout and knock-in organisms. Kumamoto BioResource Project (KBRP) intends to produce (using TALEN and CRISPR), develop, preserve and supply genetically modified organisms in mice, drosophila, medaka, c. elegans and xenopus. We also aim to raise the level of research and education on genome editing at Kumamoto University.
OHTSUKI Sumio, Faculty of Life Sciences 	Research Core of Human Data-Driven Drug Science	This research core project aims to promote forward- and reverse-translational research, so called TR cycle, among basic, clinical and analytical sciences for developing optimal drug usage, personalized chemotherapy and functional food. This project also aims to encourage young researchers to be global research leaders in the new research fields; human data-driven drug science.
UENO Takamasa, Center for AIDS Research 	International Program of Collaborative Research and Education aiming at the Investigation of Functional Consequence of Invading Retroelements in Human Genome.	Human genomes contain significant fractions of invading genetic elements, or retroelements, including retroviruses, endogenous retroviruses, and retrotransposons. By promoting international collaborations as well as fostering and connecting young researchers in this field, we aim to reveal mechanistic roles of such retroelements in health and diseases and to develop novel therapeutic approaches for controlling invading elements in human genomes.

■ Interdisciplinary, Combined Fields, New Disciplines ■

Project Leader	Program Title	Program Overview
SEKIYAMA Kaoru, Faculty of Letters 	Neurocognitive Plasticity Research Unit	This unit aims to advance research on human neurocognitive plasticity. This research area is important to know how we can adapt ourselves to novel environment, how we can regain sensory, cognitive, and motor abilities after impairment, how we can keep ourselves away from age-related decline of these abilities, and how we can improve the quality of life in the aging society.

■ Interdisciplinary, Combined Fields, New Disciplines ■

Project Leader	Program Title	Program Overview
<p>OTANI Jun, Graduate School of Science and Technology</p> 	<p>International Research Center on the Application of X-ray CT in Medicine and Engineering - X-Earth Center -</p>	<p>The X-EARTH Center (herein as X-Eco, Aqua, Resource and TecHnology) was established for the research and education through the X-ray CT methods applied to the various kinds of materials. The researches performed in this center include many different research fields such as Geotechnical Engineering, Coastal Engineering, Environmental Engineering, Mechanical Engineering, Material Science, Archaeology, Paleontology and so on, using Industrial and Micro-focus X-ray CT scanners. We also started collaboration with Medical School from this year. Any researchers and students all over the world are welcome to our center and share the latest researches and technologies through the X-EARTH international community network. http://www.civil.kumamoto-u.ac.jp/x-earth/en/index.html</p>
<p>HENMI Yasuhisa, Center for Marine Environment Studies</p> 	<p>Research and Education Center for Balancing Natural and Social Environment around Enclosed Coastal Areas</p>	<p>In order to shape sustainable societies in harmony with natural environments around enclosed coastal areas, we are analyzing regional characteristics and essences by collecting information on Nature, History, Culture, Society and Economy of target regions. Our missions are also to assess environmental values, to make policy recommendations aimed at environmental reforms, and to perform activities in cooperation with residents and regional government for disaster-resistant and environmentally friendly societies.</p>
<p>KAWAGOSHI Yasunori, Graduate School of Science and Technology</p> 	<p>Basin grand-design to realize a sustainable and strategic use of groundwater resource</p>	<p>In Kumamoto Region, one million people depend their drinking-water demand on groundwater only. This research project aims at solving social, economic and environmental issues on the groundwater resource by forming a cross-sectional research team and developing the best solution for groundwater management to realize the strategic and sustainable use of the precious groundwater resource.</p>
<p>KUBOTA Hiroshi, Institute of Pulsed Power Science</p> 	<p>Nano-Pico-Femt-Atto-scales production under newly developed manufacturing sciences</p>	<p>Beyond the high-mix low-volume manufacturing era, advanced semiconductor production requires various kinds of products in large lots instead of the low-volume ones because the production line should keep running to realize the reduction of the cost by quantity output effect. General semiconductor products have an average of 550 individual steps of production process, which take approximately 12 to 16 weeks. Then, the set of the individual products in the line should be converted quickly and reset dynamically. What we have to develop are, 1) fine NaPFA scales (Nano-, Pico-, Femt-, Atto-scales) syntheses and metrologies, 2) knowledge based IT techniques, e.g. virtual metrology, feed forward control, statistical fault detection. We present the pilot line moving under atomic scale to incorporate many ideas from all of our professors, students and engineers in the device unit.</p>
<p>ARIMA Hidetoshi, Faculty of Life Sciences</p> 	<p>Interdisciplinary research core for multi-mode cancer therapy mediated by nanomaterials responding to external stimuli</p>	<p>In this project, we aim to develop novel therapeutic techniques consisting of multiple modes such as hyperthermia, pharmacotherapy, immunotherapy, gene/oligonucleotide therapy and regenerative medicine mediated by simple materials and external stimuli. Multi-disciplinary collaboration of researchers in medical, engineering, pharmaceutical, and basic science research fields will achieve the aim this project.</p>

INTERNATIONAL EXCHANGE AGREEMENTS

Kumamoto University has formed cooperative relationships with foreign academic institutions by concluding academic exchange agreements. As of September 1, 2015 we have 185 partner institutions in 38 countries and regions.

chart 1 Lists of University-level Exchange Agreements

(As of September 1, 2015)

Country	University/ Institute	Since
Australia	The University of Newcastle	1986
Australia	Queensland University of Technology	2014
Bangladesh	University of Dhaka	2000
Canada	University of Alberta	2001
China	Guangxi Normal University	2005
China	Tongji University	2005
China	Dalian University of Technology	2006
China	Nanchang University	2006
China	Shanghai Normal University	2008
China	Harbin Institute of Technology	2009
China	Jilin University	2009
China	Nankai University	2009
China	Shandong University	2009
China	Sichuan University	2009
China	Northeastern University	2010
China	Beijing University of Technology	2011
China	Shenzhen University	2011
China	The University of Macau	2011
China	East China University of Political Science and Law	2011
China	Jilin Institute of Chemical Technology	2013
China	Northeast Normal University	2014
China	Chongqing University	2014
China	NanJing Normal University	2015
Djibouti	Djibouti University	2013
Egypt	Suez Canal University	2006
Egypt	Fayoum University	2008
France	Bordeaux Institute of Technology	2006
France	Pole University of Bordeaux (Bordeaux 1 University, Victor Segalen- Bordeaux 2 University, Michel de Montaigne- Bordeaux 3 University, Montesquieu-Bordeaux 4 University, The National Graduate School of Chemistry and Physics of Bordeaux, Bordeaux Institute of Political Studies)	2007
Germany	Saarland University	2001
Hungary	Pázmány Péter Catholic University	2015
Indonesia	The Consortium of Institut Teknologi Sepuluh Nopember, Indonesia (Institut Teknologi Sepuluh Nopember, Universitas Sam Ratulangi, Universitas Mataram, Universitas Cenderawasih, Universitas Nusa Cendana)	2008
Indonesia	Institut Teknologi Bandung	2011
Indonesia	Gadjah Mada University	2013
Indonesia	Airlangga University	2013
Indonesia	Udayana University	2015
Korea	Pai Chai University	1999
Korea	Dong-A University	2005
Korea	Korea Advanced Institute of Science and Technology	2006
Korea	Chosun University	2009
Korea	Pukyong National University	2011
Korea	University of Seoul	2011
Korea	Ajou University	2011
Korea	Chungbuk National University	2012
Korea	Pusan National University	2012
Korea	Chonbuk National University	2012
Laos	National University of Laos	2011
Malaysia	University Sains Malaysia	2012
Myanmar	Yangon Technological University	2015
Nepal	Pokhara University	2010
New Zealand	Massey University	1996
Philippines	University of the Philippines, Diliman	2002
Poland	University of Warsaw	2009
Poland	Lublin University of Technology	2015
Rwanda	University of Rwanda	2014
Spain	University of Valencia	2014
Taiwan	Southern Taiwan University of Science and Technology	2008
Taiwan	National Tsing Hua University	2015
Thailand	Kasetsart University	1994
Thailand	Khon Kaen University	2004
Thailand	Mahidol University	2013
Turkey	Ege University	2000
U.K.	Durham University	1993
U.K.	University of Birmingham	1993
U.K.	University of Leeds	2006
U.S.A.	The University of Montana	1987
U.S.A.	Montana State University	1987
U.S.A.	Virginia Commonwealth University	1989
U.S.A.	University of North Carolina at Charlotte	1990
U.S.A.	Texas Tech University	1994
U.S.A.	The University of Texas at San Antonio	2010
U.S.A.	University of California, Los Angeles	2014
Vietnam	VNU University of Science	2007
Vietnam	Ho Chi Minh City University of Technology	2010
Vietnam	Hue University	2010
Vietnam	National University of Civil Engineering	2010

※ 83 partner institutions (26 countries and regions)

Lists of Department-level Exchange Agreements

(As of September 1, 2015)

Country	University / Institute	Since	Counterpart
Australia	Griffith School of Engineering, Griffith University	2012	Faculty of Engineering, Graduate School of Science and Technology
Australia	Division of Materials Engineering, The University of Queensland	2013	Magnesium Research Center
Australia	Australian Phenomics Facility, The Australian National University	2014	Institute of Resource Development and Analysis
Brazil	University of Campinas	2009	Faculty of Engineering, Graduate School of Science and Technology
Canada	Faculty of Engineering, University of Waterloo	2013	Faculty of Engineering, Graduate School of Science and Technology
Canada	Queen's University at Kingston	2014	Faculty of Engineering, Graduate School of Science and Technology
China	Chinese Academy of Medical Sciences	1983	School of Medicine
China	Institute of Mechanics, Chinese Academy of Sciences	1993	Faculty of Engineering
China	Guilin University of Technology	1999	Faculty of Engineering, Graduate School of Science and Technology
China	Harbin Medical University	1999	Institute of Resource Development and Analysis, Faculty of Life Sciences, Graduate School of Medical Sciences, Graduate School of Pharmaceutical Sciences
China	Shanghai Laboratory Animal Center, Chinese Academy of Sciences	2004	Institute of Resource Development and Analysis
China	Guandong Medical Laboratory Animal Center	2004	Institute of Resource Development and Analysis
China	College of Science, Yanbian University	2006	Faculty of Science, Graduate School of Science and Technology
China	Guangxi Medical University	2007	Faculty of Life Sciences, Graduate School of Medical Sciences
China	College of Civil Engineering & Architecture, School of Chemistry & Chemical Engineering, Guangxi University	2007	Faculty of Engineering, Graduate School of Science and Technology
China	College of Engineering, Peking University	2008	Faculty of Engineering, Graduate School of Science and Technology
China	Wenzhou Medical University	2008	Faculty of Life Sciences
China	School of International Relations and Public Affairs, Fudan University	2009	Graduate School of Social and Cultural Sciences
China	Center for Hui Studies, Anhui University	2010	Faculty of Letters
China	School of Foreign Languages, Hangzhou Normal University	2010	Faculty of Letters, Graduate School of Social and Cultural Sciences
China	Civil Engineering College, Municipal and Environmental Engineering College, Transportation Engineering College, Graduate School, Shenyang Jianzhu University	2010	Faculty of Engineering, Graduate School of Science and Technology
China	Institute of Neuroscience / Medical College, Xiamen University	2010	School of Medicine, Faculty of Life Sciences, Graduate School of Medical Sciences
China	Zhejiang University School of Medicine	2010	School of Medicine, Faculty of Life Sciences, Graduate School of Medical Sciences
China	Hezhou University	2011	Faculty of Engineering, Graduate School of Science and Technology
China	School of Energy and Civil Engineering, Harbin University of Commerce	2012	Faculty of Engineering, Graduate School of Science and Technology
China	National Institutes for Food and Drug Control	2012	Institute of Resource Development and Analysis
China	School of Geography and Planning, Sun Yat-sen University	2013	Graduate School of Science and Technology
China	Shanghai Jiao Tong University	2013	Center for Policy Studies
Czech	Technical University of Ostrava and Institute of Geonics of the Academy of Sciences of the Czech Republic	2009	Faculty of Engineering, Graduate School of Science and Technology
Czech	University of Chemistry and Technology, Prague	2010	Graduate School of Science and Technology
Czech	University of Pardubice	2015	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology
France	Universite Blaise Pascal – Clermont-Ferrand II	2010	Graduate School of Science and Technology
France	University Joseph Fourier - Grenoble I	2011	Faculty of Engineering, Graduate School of Science and Technology
France	École Nationale Supérieure des Mines de Saint-Étienne	2012	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology
France	CRM2 Laboratory, University of Lorraine	2014	Faculty of Science, Graduate School of Science and Technology
Germany	Faculty of Arts, University of Bonn	1997	Faculty of Letters
Germany	Leibniz Institute for Applied Geophysics	2013	Graduate School of Science and Technology
Germany	Department of Civil and Environmental Engineering, Ruhr-University Bochum	2014	Faculty of Engineering, Graduate School of Science and Technology
Germany	Faculty of Georesources and Materials Engineering, Institute of Physical Metallurgy and Metal Physics, RWTH Aachen University	2015	Faculty of Engineering, Graduate School of Science and Technology
India	Faculty of Engineering & Technology, Annamalai University	2006	Faculty of Engineering, Graduate School of Science and Technology
India	Manipal University	2009	Faculty of Engineering, Graduate School of Science and Technology
India	National Institute of Technology Karnataka	2009	Faculty of Engineering, Graduate School of Science and Technology
Indonesia	University of Brawijaya	2011	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology
Indonesia	Electrical Engineering School, Graduate School, Telkom University	2014	Faculty of Engineering, Graduate School of Science and Technology
Kenya	School of Humanities and Social Sciences, Pwani University	2015	Faculty of Letters, Graduate School of Social and Cultural Sciences
Korea	College of Law, Hannam University	2001	Faculty of Law
Korea	College of Education, Kangnam University	2002	Faculty of Education
Korea	Advanced Process and Materials R&D Group, Korea Institute of Industrial Technology	2003	Faculty of Engineering, Graduate School of Science and Technology
Korea	Nano Materials & Products Regional Innovation Center, Hoseo University	2004	Shock Waves and Condensed Matter Research Center
Korea	College of Engineering, Hoseo University	2007	Faculty of Engineering, Graduate School of Science and Technology
Korea	College of Health Science, Korea University / Department of Bio-convergence Engineering, Korea University Graduate School	2007	School of Medicine, Faculty of Life Sciences, Graduate School of Health Sciences
Korea	Law School, Yeungnam University	2010	School of Law
Korea	College of Engineering, Graduate School of Engineering, Regional Innovation Center for Environmental Technology of Thermal Plasma, Inha University	2011	Faculty of Engineering, Graduate School of Science and Technology

INTERNATIONAL EXCHANGE AGREEMENTS

Country	University / Institute	Since	Counterpart
Korea	College of Engineering, Korean Maritime University	2011	Faculty of Engineering, Graduate School of Science and Technology
Korea	Graduate School of Kosin University and College of Natural Science, Kosin University	2011	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology
Korea	National Institute of Food and Drug Safety Evaluation (NIFDS), Korea Food and Drug Administration (KFDA)	2012	Institute of Resource Development and Analysis
Korea	College of Engineering, Yonsei University	2013	Graduate School of Science and Technology
Korea	Laboratory Animal Resource Center, Korea Research Institute of Bioscience and Biotechnology	2013	Institute of Resource Development and Analysis
Korea	Light Metal Division, Korea Institute of Materials Science	2014	Magnesium Research Center
Korea	College of Natural Sciences, Teachers' College, Kyungpook National University	2014	Faculty of Science, Graduate School of Science and Technology
Korea	Magnesium Technology Innovation Center, Seoul National University	2015	Magnesium Research Center
Kyrgyz	Institute of Chemistry and Chemical Technology of National Academy of Science of the Kyrgyz Republic	2014	Institute of Pulsed Power Science
Laos	Faculty of Nursing Sciences, University of Health Sciences	2014	Faculty of Life Sciences
Malaysia	Universiti Teknologi PETRONAS	2012	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology
Mexico	Faculty of Mechanical and Electrical Engineering, Autonomous University of Nuevo León	2015	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology, Institute of Pulsed Power Science
Mongol	School of Mathematics and Computer Science, National University of Mongolia	2013	Faculty of Science, Graduate School of Science and Technology
Mongol	School of Economics and Business, Mongolian University of Life Sciences	2013	Faculty of Science, Graduate School of Science and Technology
Myanmar	Patheingyi University	2015	Faculty of Science, Faculty of Engineering, Graduate School of Science and Technology
Philippines	College of Engineering, De La Salle University-Manila	2011	Faculty of Engineering, Graduate School of Science and Technology
Poland	Faculty of Materials Science and Ceramics, AGH University of Science and Technology	2010	Graduate School of Science and Technology
Russia	Aircraft and Mechanical Engineering Facilities, Novosibirsk State Technical University	2008	Shock Wave and Condensed Matter Research Center
Russia	Institute of Advanced Technologies, Togliatti State University	2015	Magnesium Research Center
Slovenia	Faculty of Mechanical Engineering, University of Maribor	2013	Faculty of Engineering, Graduate School of Science and Technology
Spain	The Spanish National Research Council	2012	Institute of Resource Development and Analysis
Sri Lanka	Gampaha Wickramarachchi Ayurveda Institute, University of Kelaniya	2014	Faculty of Life Sciences, Graduate School of Pharmaceutical Sciences, School of Pharmacy
Sudan	Medicinal and Aromatic Plants Research Institute	2012	Faculty of Life Sciences, Graduate School of Pharmaceutical Sciences, School of Pharmacy
Taiwan	Nan Jeon University of Science and Technology	2005	Faculty of Education
Taiwan	College of Engineering, National Kaohsiung First University of Science and Technology	2009	Faculty of Engineering, Graduate School of Science and Technology
Taiwan	National Laboratory Animal Center	2010	Institute of Resource Development and Analysis
Taiwan	College of Humanities and Social Sciences, Chang Jung Christian University	2011	Faculty of Letters, Graduate School of Social and Cultural Sciences
Taiwan	College of Foreign Languages and Literatures, Tamkang University	2013	Faculty of Letters, Graduate School of Social and Cultural Sciences
Taiwan	National Cheng Kung University Hospital	2014	University Hospital, Faculty of Life Sciences
Taiwan	College of Mechanical and Electrical Engineering, National Taipei University of Technology	2014	Faculty of Engineering, Graduate School of Science and Technology
Taiwan	Mariculture Research Center, Fisheries Research Institute, Council of Agriculture	2014	Center for Marine Environment Studies
Tanzania	School of Medicine, Muhimbili University of Health and Allied Sciences	2003	Center for AIDS Research, Faculty of Life Sciences, Graduate School of Medical Sciences
Thailand	Faculty of Engineering, Chulalongkorn University	2011	Faculty of Engineering, Graduate School of Science and Technology
Thailand	Faculty of Engineering, King Mongkut's Institute of Technology Ladkrabang	2014	Faculty of Engineering, Graduate School of Science and Technology
Turkey	Institute of Environmental Sciences, Bogazici University	2008	Graduate School of Science and Technology
Turkey	Engineering Faculty, Cankiri Karatekin University	2015	Faculty of Engineering, Graduate School of Science and Technology
Turkey	Faculty of Engineering, Graduate School of Natural and Applied Science, Gazi University	2015	Faculty of Engineering, Graduate School of Science and Technology
U.K.	Mary Lyon Centre, MRC Harwell	2011	Institute of Resource Development and Analysis
U.K.	The School of Engineering, University of Glasgow	2014	Institute of Pulsed Power Science
U.S.A.	College of Engineering, Georgia Institute of Technology	1996	Faculty of Engineering, Graduate School of Science and Technology
U.S.A.	The Jackson Laboratory	2004	Institute of Resource Development and Analysis
U.S.A.	School of Nursing, University of California, San Francisco	2011	Faculty of Life Sciences, Graduate School of Health Sciences
U.S.A.	School of Nursing and Health Professions, University of San Francisco	2012	Faculty of Life Sciences, Graduate School of Health Sciences
U.S.A.	College of Pharmacy and Allied Health Professions, St. John's University	2012	Faculty of Life Sciences, Graduate School of Pharmaceutical Sciences, School of Pharmacy
U.S.A.	Mouse Biology Program, University of California, Davis	2013	Institute of Resource Development and Analysis
U.S.A.	Georgia State University Center for Inflammation, Immunity & Infection	2013	Faculty of Life Sciences, Graduate School of Pharmaceutical Sciences, School of Pharmacy
U.S.A.	Carnegie Institution of Washington, Geophysical Laboratory	2015	Institute of Pulsed Power Science, Graduate School of Science and Technology
Vietnam	Vietnam Institute of Geosciences and Mineral Resources, Ministry of National Resources and Environment	2007	Faculty of Science, Graduate School of Science and Technology
Vietnam	Danang University of Technology	2008	Faculty of Engineering, Graduate School of Science and Technology
Vietnam	Ho Chi Minh City University of Architecture	2008	Faculty of Engineering, Graduate School of Science and Technology
Vietnam	Vietnam National Museum of Nature, Vietnam Academy of Science and Technology	2012	Graduate School of Science and Technology

※ 102 partner institutions (31 countries and regions)
 The department names above are written as they existed when the agreements were concluded / renewed.

chart 3 Changes in Numbers of Partner Institutions

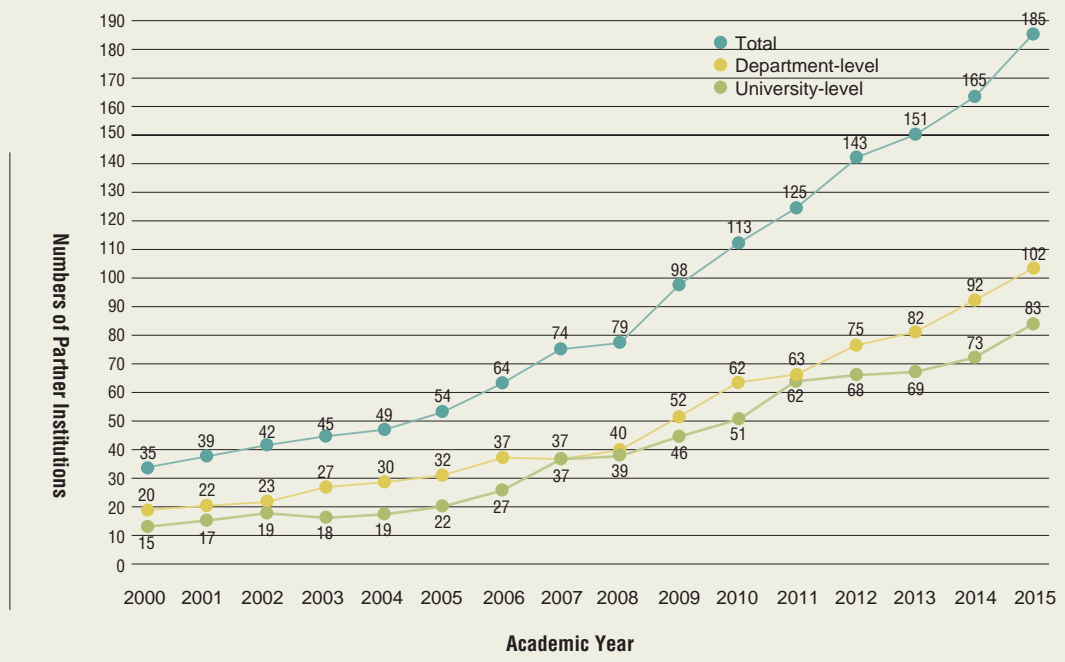
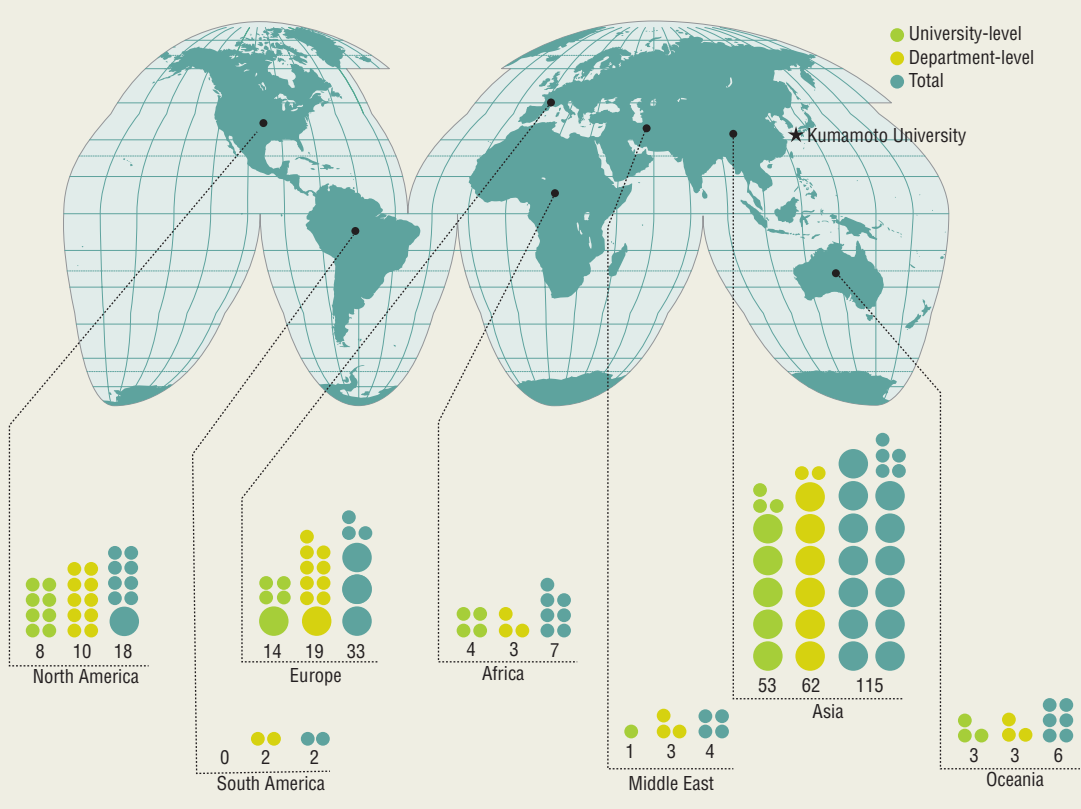


chart 4 World Map with the Numbers of Partner Institutions



Partnerships with universities in Africa

On May 12, 2015, His Excellency, the Honorable Godwin Nsude Agbo, Ambassador Extraordinary and Plenipotentiary of the Federal Republic of Nigeria to Japan, along with three other Nigerian Embassy officials, visited Kumamoto University to pay a courtesy call on President Shinji Harada and Vice-President for International Affairs Kazuki Takashima.

Kumamoto University has established relationships with Nigeria in academic research and student exchange and currently hosts four exchange students and one visiting research fellow from the country. Both parties exchanged views on further promotion of the partnership in the future, and agreed to continue developing collaborative relationships. Currently, the process for the exchange agreements between Kumamoto University and universities in Nigeria is being advanced.



Nigerian Ambassador Godwin Nsude Agbo and President Harada

On July 27, Professor Tumba Ghislain Disashi, M.D., Ph.D., and Rector of the University of Mbuji-Mayi in Democratic Republic of the Congo paid a courtesy call to President Harada.

Rector Disashi studied at the Graduate School of Medical Sciences of Kumamoto University from 1992 to 1997, and obtained a doctoral degree. This visit was realized in accordance with Rector Disashi's strong desire to deepen relations with his alma mater, as a first step to promote inter-university exchange activities focusing on student exchange with Japanese universities.

During the visit, President Harada and Rector Disashi exchanged opinions regarding future exchange programs for researchers and students, and agreed to develop exchange activities between the two universities.

A university-level exchange agreement with the University of Mbuji-Mayi is to be concluded before the end of the year.

In addition to these, Kumamoto University concluded the department-level exchange agreement with the School of Humanities and Social Sciences, Pwani University, Kenya in March 2015. As of September 2015, we have 7 partner institutions in African countries. Collaborations and partnerships with African universities are expected to be further promoted.



Rector Disashi of the University of Mbuji-Mayi and President Harada

Hosting the Top Global University Project Kickoff Symposium

A kickoff symposium for the Top Global University Project of Kumamoto University was held at the 100th Anniversary Hall, Kumamoto University on January 31, 2015. The symposium commemorated the university's initiative of "A Leading University Cultivating Global Leaders from Kumamoto" being adopted as a Type B (Global Traction Type) category project for the Top Global University Project initiated by the Ministry of Education, Culture, Sports, Science and Technology.

In the symposium, Mr. Hideto Matsumoto, Director of the Office for International Planning, Higher Education Policy Planning Division, Higher Education Bureau, Ministry of Education, Culture, Sports, Science and Technology, delivered an opening address, which was followed by the lectures of Dr. Mark Williams (Professor of University of Leeds and former Vice-President of Akita International University), Dr. Takashi Hayashita (President of Sophia University), Dr. Kenji Yokoyama (Dean of the College of International Management & Graduate School of Management, Ritsumeikan Asia Pacific University), Dr. George Iwama (Provost, Okinawa Institute of Science and Technology Graduate University), and Mr. Taisuke Ono (Vice-Governor of Kumamoto Prefecture).

Finally, Dr. Isao Taniguchi, then President of Kumamoto University, successfully closed the program by speaking of his determination to make Kumamoto University "an institution that continually achieves global excellence 100 years from now" and by presenting the university's indexes and goals.

Approximately 250 people from universities, high schools, local administrations and Kumamoto residents, participated in the symposium.



New International Joint Research Lab Opens at Georgia State University

A Kumamoto University international joint research laboratory (overseas laboratory) was established as part of the Institute for Biomedical Sciences of Georgia State University, one of our partner institutions located in the United States in February 2015. This laboratory became a reality thanks to Dr. Hirofumi Kai, Director of the Research Institute for Drug Discovery of Kumamoto University at that time. (Currently, he is Dean of the School of Pharmacy and the Graduate School of Pharmaceutical Sciences.) Dr. Kai proposed the establishment of the lab to Dr. Jian-Dong Li, Director of the Institute for Biomedical Sciences.

Dr. Kai and Dr. Li have conducted joint research for the past 20 years. During that period, they have published well-received joint papers from their respective laboratories through international collaborative research. To date, at least fourteen of Dr. Kai's graduate students have been dispatched to Dr. Li's laboratory for long-term research, contributing to the development of young researchers with international perspectives. With this new overseas laboratory, we can expect the further development of international joint research based on this close relationship.



Dr. Li and Dr. Kai

Kumamoto University participates in the promotion fair in Korea and Myanmar

On September 20, 2015, a promotion fair for the Japan-Korea Joint Exchange Program for undergraduate Students in Science and Engineering was held at the National Institute for International Education in Seoul, Korea in order to provide vivid information of Japanese universities in the program to 100 Korean qualified candidates who passed the written examination as well as their families. There were 28 Japanese universities joined in the fair this year. Approximately 80 people visited our booth.

On September 29, the Study in Japan Fair 2015, sponsored by the Japan Student Services Organization (JASSO), was held in Yangon, Myanmar.

This fair was organized to promote studying abroad in Japan and provide information for students in Myanmar so that they may find their way to a fruitful study abroad experience. 30 educational institutions from Japan (12 national universities and 8 private) participated, along with others. Prospective international students numbered 1,081 for the day, greatly surpassing last year's attendance record of 707.

Throughout the entire venue information was provided about study abroad programs and experiences, and at individual booths, educational institutions provided private consultations and material distribution.



International Affairs Division staff explain study abroad procedures at a booth

Also, many students visited University booths, where they were introduced to study abroad programs via University websites and official videos on YouTube.

At the end of the fair, a lottery was held in which participants had a chance to win items such as T-shirts, provided by participating universities.

Through this fair, universities were able to provide the students of Myanmar with motivation for studying abroad in Japan. With this opportunity, improvement of awareness of universities in Myanmar can be expected.

Additionally, Kumamoto University is going to participate in the Study in Japan Fair which is to be held from October to December in Vietnam, Indonesia, and Malaysia.

The Kickoff Symposium for the International Research Center for Medical Sciences and the Opening Ceremony for the International Research Center for Advanced Science and Technology

The Kickoff Symposium for the International Research Center for Medical Sciences and the Opening Ceremony for the International Research Center for Advanced Science and Technology.

On January 15, 2015, the International Research Center for Medical Sciences of Kumamoto University (IRCMS) held a kickoff symposium with the theme of "Connecting Scientists across Borders and Disciplines" at Kumamoto Prefectural Community Center PAREA in Kumamoto City. About 150 people, including many young researchers, attended the symposium.

The IRCMS was established on the Honjo-Kuhonji Campus in April 2014. With this base, the university expects to conduct ground-breaking international joint research by recruiting highly capable researchers from overseas institutes while making use of the open laboratory, one of the advanced facilities that the IRCMS offers.

On January 29, the opening ceremony for the International Research Center for Advanced Science and Technology (IRCAST) was held. On the same day, there was also a kickoff symposium with over 70 participants from the university and elsewhere.

IRCAST was built as a research facility for the development and production of new functional materials, and the development of new structural members and processing technologies, where researchers from home and abroad can engage in the development of the world's most advanced materials.



Opening Ceremony for IRCAST

RESEARCHERS AND SCHOLARS EXCHANGES (April 2014 - March 2015)

Region	Country	University Staff Sent Abroad							Visiting Foreign Researchers							
		Funding Source	Ministry of Education (MEXT)	Japan Society for the Promotion of Science (JSPS)	Japan International Cooperation Agency (JICA)	Other Domestic Funds	Foreign Governments / Institutes	Private-Funded	Sub-total	Ministry of Education (MEXT)	Japan Society for the Promotion of Science (JSPS)	Japan International Cooperation Agency (JICA)	Other Domestic Funds	Foreign Governments / Institutes	Private-Funded	Sub-total
Asia	Bangladesh				1				1	1	1				1	6
	Cambodia	2							2							0
	China	32	8	2	71		8	3	124	4	6		29	11	2	52
	India	3			1			1	5		3		59	2		64
	Indonesia	10	1	11	5				27		2	8	3	3	1	17
	Korea	21	5		48		11	1	86	3	7		15		2	27
	Laos			1				2	3				1			1
	Malaysia	4	2		8		2		16				1			1
	Mongol	4							4		1		4			5
	Myanmar	3		7	6				16				8			8
	Nepal	2			3				5		1					1
	Philippines	2			8				10				5	1	2	8
	Singapore	12			9		1		22	1			1			2
	Sri Lanka	3			3		2		8						4	4
	Taiwan	28	2		28		7	6	71	2			7	1	1	11
	Thailand	5			17			1	23	1	1		5			7
Vietnam	10	1		19		2	2	34							0	
Sub-total		141	19	22	226	33	16	457	12	22	8	141	18	13	214	
Middle East	Iran							0				2		1	3	
	Israel							0				2			2	
	Syria							0		1					1	
	Turkey	11	1	1	7		1		21				1		1	
	UAE	1			1				2							0
	Sub-total		12	1	1	8	1	0	23	0	1	0	5	0	1	7
Africa	Burkina Faso							0				1			1	
	Cameroon						1	1							0	
	Egypt				1			1					9	1	10	
	Ghana	1						1							0	
	Kenya	3						3							0	
	Morocco				2			2							0	
	Nigeria							0		1					1	
	Rwanda	2			1				3						0	
	South Africa	1			3		1		5				1		1	
Sub-total		7	0	0	7	2	0	16	0	1	0	2	9	1	13	
Oceania	Australia	18		1	9			28	1			3	1		5	
	New Zealand	5	4				1	10		1					1	
	Palau	1						1							0	
	Papua New Guinea							0	1						1	
Sub-total		24	4	1	9		1	39	2	1	0	3	1	0	7	
North America	Canada	27	4		15			46	1	2		5	1		9	
	USA	133	18		181		9	346	12	5		22	4		43	
	Sub-total		160	22	0	196		9	392	13	7	0	27	5	0	52
South-Middle America	Argentina							0	1						1	
	Bolivia	1						1							0	
	Brazil	1						1							0	
	Colombia	1						1							0	
	Ecuador						1	1							0	
	Venezuela							0	1						1	
Sub-total		3	0	0	0	1	0	4	2	0	0	0	0	0	2	
Europe	Austria	3			19			1	23						0	
	Belgium				3			1	4						0	
	Bulgaria	1							1						0	
	Czech	6			1				7						0	
	Denmark	1			3				4						0	
	Estonia	1							1						0	
	Finland	4			2				6						0	
	France	29	7	3	20		4	2	65	1	4		13	1	19	
	Germany	27			23		1	4	55	9	2		4		15	
	Greece	2			5				7						0	
	Hungary	1			1				2	1					1	
	Iceland	1							1						0	
	Italy	3			10				13						0	
	Kyrgyz	1							1					1	1	
	Lithuania	1							1						0	
	Luxembourg	1							1						0	
	Netherlands	6			4				10						0	
	Norway	2							2	1					1	
	Poland	5			4			1	10		1		2		3	
	Portugal	4			3				7						0	
	Romania	3							3						0	
	Russia		1						1	2			4		6	
	Serbia								0		1				1	
	Slovakia				1				1						0	
	Slovenia	2							2				1	1	2	
	Spain	6			11				17		1		2		3	
	Sweden	7			3				10		1				1	
	Switzerland	5	2		6				13				1		1	
	UK	20	1		16		2	1	40	7			9	3	19	
	Sub-total		142	11	3	135		7	308	21	10	0	36	6	0	73
Total		489	57	27	581		54	1,239	50	42	8	214	39	15	368	

INTERNATIONAL STUDENTS

(As of May 1, 2015)

Region	Country	Status	Faculties					Graduate Schools					Japanese Language Trainees	Total	
			Undergraduates	Research Students	Auditors	Special Auditors	Sub-total	Graduates	Research Students	Special Auditors	Special Research Students	Sub-total			
Asia	Bangladesh						0	30					30		30
	Brunei		1				1						0		1
	China		29			43	72	105	10		9	124			196
	India						0	2				2			2
	Indonesia		1			6	7	37			4	41	1		49
	Korea		9			14	23	9	3		1	13			36
	Laos					1	1					0			1
	Malaysia		6			1	7	1				1			8
	Myanmar						0	15				15			15
	Mongolia						0	2				2			2
	Nepal						0	2			1	3			3
	Philippines						0	2				2			2
	Singapore					1	1					0			1
	Taiwan					17	17	6			3	9			26
	Thailand			2		4	6	3			2	5			11
Vietnam		1				1	8	1			9			10	
Sub-total		47	2	0	87	136	222	14	0	20	256	1		393	
Middle East	Afghanistan					0	11				11			11	
	Iran					0	2				2			2	
	Oman					0	1				1			1	
	Turkey					0	1				1			1	
	Sub-total		0	0	0	0	0	15	0	0	0	15	0		15
North America	U.S.A				2	2					0			2	
	Sub-total		0	0	0	2	2	0	0	0	0	0	0		2
South-Middle America	Brazil				1	1		1			1			2	
	Guatemala					0	1				1			1	
	Sub-total		0	0	0	1	1	1	1	0	0	2	0		3
Oceania	Australia				2	2					0			2	
	Fiji					0	1				1			1	
	Papua New Guinea					0	1				1	1		2	
	Solomon Islands					0	1				1			1	
	Tonga					0	1				1			1	
	Sub-total		0	0	0	0	2	4	0	0	0	4	1		7
Africa	Benin					0	1				1			1	
	Cape Verde					0	1				1			1	
	Egypt					0	10				10			10	
	Ghana					0	1				1			1	
	Kenya					0					0	1		1	
	Morocco					0				3	3			3	
	Nigeria					0	3				3	1		4	
	Sudan					0	2				2			2	
	Tanzania					0	4				4			4	
	Uganda		1				1				0			1	
Sub-total		1	0	0	0	1	22	0	0	3	25	2		28	
Europe	Armenia		1				1				0			1	
	Bulgaria					0	1				1			1	
	France				1	1				5	5			6	
	Germany				4	4					0			4	
	Austria				1	1					0			1	
	Poland				2	2	1				1			3	
	Russia					0	1				1			1	
	Spain				1	1					0			1	
	U.K.				2	2	2				2			4	
	Sub-total		1	0	0	11	12	5	0	0	5	10	0		22
Total(From 47 countries)		49	2	0	101	154	269	15	0	28	312	4		470	

JAPANESE STUDENTS STUDY ABROAD

The table below indicates the number of exchange students who went abroad for more than three months and up to one year, to study at foreign universities that have concluded student exchange agreements with our university.

In addition to the above-mentioned students, there are some Japanese students who studied abroad at their own expense.

Country	Partner University	Number of Students
Australia	The University of Newcastle	3
Czech	Insitute of Chemical Technology in Prague	1
France	Bordeaux Institute of Technology	1
France	The Member of the University of Bordeaux	10
Germany	University of Bonn	1
India	Annamalai University	1
Indonesia	Institute Teknologi Sepuluh Nopember	1
Singapore	National University of Singapore	1
Slovenia	University of Maribor	1
Taiwan	Southern Taiwan University of Technology	1
U.K.	The University of Nottingham	1
U.K.	University of Birmingham	1
U.K.	University of Leeds	8
U.S.A.	Georgia Institute of Technology	1
U.S.A.	Montana State University	2
U.S.A.	The State University of New York at Binghamton	1
Total(April 2014-March 2015)		35

INTERNATIONAL PROGRAMS

Kumamoto University Short-Term Exchange Program

Kumamoto University Short-Term Exchange Program is designed for students who are enrolled full-time at a university abroad and have foreign citizenship. The program offers undergraduate foreign students, who are interested in the Japanese language, Japanese and Asian society and culture, advanced science and technology, and interactions with foreign students, the chance to study for up to a year in Japan while still retaining their full-time status at their home universities. The university also hopes that the program will promote exchange between university students from foreign countries and Japanese university students.

• E Course (Program in English)

As a general rule, this course is intended for third year undergraduate students from universities that have a student exchange agreement with Kumamoto University. Students in this course mainly take Short-Term Exchange Program classes taught in English. Also, they can take Japanese Language and Japanese Studies classes. Students in this course can take specialized subjects for undergraduate students of each faculty and General Education classes which are not included in program completion requirements as well.



(Note: Most specialized subjects and General Education classes are taught in Japanese.)

• J Course (Program in Japanese)

This course is intended for students from universities that have a student exchange agreement with Kumamoto University. Students in this course mainly take classes in specialized subjects for undergraduate students of each faculty, as well as classes in the Japanese Language and Japanese Studies. Also, they can take General Education classes and Short-Term Exchange Program classes taught in English.

Kumamoto University Japanese Studies Program

Kumamoto University Japanese Studies program is a one-year program intended for undergraduate international students who are majoring in fields related to Japanese language and culture. The aim of the program is to improve Japanese proficiency, to impart the knowledge and skills required to conduct Japanese studies, and to help students acquire a practical knowledge of Japanese language and culture for use in society.



Kumamoto University Summer Program 2015

From July 27 to August 8, Kumamoto University's Summer Program 2015 was held by the College for Cross-Cultural and Multidisciplinary Studies.

This program was designed to provide an opportunity for undergraduate students from overseas partner universities to enjoy a short stay in Kumamoto while deepening their interest and understanding of life in Japan.

The contents of the program included Japanese language classes, lectures on Japanese life and culture, education excursions to Kumamoto Castle and Mt. Aso, and several cultural experiences including



making traditional Japanese sweets, wearing yukata, tea ceremony, and a home visit with local families in Kumamoto. Participating students also made presentations based on what they researched during their Japanese language classes. At the end of the program, there were awarded certificates by the Dean of the



College of Cross-Cultural and Multidisciplinary Studies.

This program was started in 2006, making this year's program is the 9th, and was attended by participants from China, Korea, Taiwan, and the U.S.A.



Kumamoto University 2015 Summer Program in English

From July 23 to July 31, the first Summer Program in English was held by the College for Cross-Cultural and Multidisciplinary Studies in Kumamoto University. The program was attended by 36 international students from Indonesia, Thailand, Vietnam and Malaysia.

While similar to the other Summer Program offered at Kumamoto University, the Summer Program in English requires no Japanese language ability. Over the course of 9 days, program participants enjoyed a variety of cultural and scientific educational experiences. The contents of the program included: lectures

from professors at Kumamoto University; educational excursions to Kengun, Lake Ezu, Suizenji Park, Kumamoto Castle, Mt. Aso, and Minamata; tours of the university's medical and engineering facilities; an international exchange event with local high school students.

All 36 students gave positive reviews of their experiences, with many expressing their gratitude at being given the opportunity to come to Japan, and an interest in returning to Kumamoto University to study in the future.



INTERNATIONAL HOUSE

Kumamoto University International House Residence A was constructed in 1985 to provide accommodation for international students and foreign researchers. To respond to the increase in the number of foreign students and researchers, Residence B was built in 1995, followed by Residences C, D and E in November 2009. As of May 2015, international students and researchers from about 32 countries are residing in all 232 rooms. The I-House office in Residence A is available to respond to questions from residents and to provide consultation and assistance.

(Address)

7-763 Kurokami, Chuo-ku, Kumamoto City, Kumamoto

(Location)

About 1.5 km east of the Kurokami Campus



Residence	Room Type				Total
	Family	Couple	Single	Shared (quad)	
A	3	3	49		55
B	4	3	50		57
C				36	36
D				36	36
E			48		48
Total number of rooms	7	6	147	72	232

Common Facilities

Lounge	2
Conference room	1
Japanese-style room	1
Public Lobby	1
Multipurpose room	1
Laundry room	10

JAPANESE LANGUAGE CLASSES

The College of Cross-Cultural and Multidisciplinary Studies offers the following classes related to the Japanese language and Japanese studies for international students and researchers at Kumamoto University.

- Japanese Language and Japanese Studies classes (General Education classes)
- Japanese classes for the “Kumamoto University Short-Term Exchange Program” and “Intensive Japanese course for Japanese Government Scholarship students”, “Teacher-Training students”, and “undergraduate students in the Japan - Korea Joint Exchange Program in Science and Engineering”

Undergraduate students, students in the Short-Term Exchange Program and students in the Japanese Studies Program may enroll in most of these classes for academic credits.

Various levels of classes are offered so that students can choose classes according to their Japanese proficiency and their interests. Japanese Studies classes are also offered to provide students with a broad knowledge and understanding of Japanese culture, society and technology.



ADMINISTRATIVE OFFICERS

(As of April 1, 2015)

President		HARADA Shinji, M.D., D.M.Sc.
Trustees	Vice-Presidents	FURUSHIMA Mikio, D.Sc.
		MATSUMOTO Yasumichi, D.Eng.
		YAMAZAKI Kodo, LL.D.
		TAKEYA Motohiro, M.D., Ph.D.
		NISHIKAWA Izumi
Vice-Presidents		NOGUCHI Toshio
		TAKASHIMA Kazuki, Dr.Eng.
		YAMAGATA Yuriko, Ph.D.
Auditors		MIZUTA Hiroshi, M.D., Ph.D
		MIURA Akira
Faculty of Letters	Dean	TATEISHI Kazuhiro
EISEI-BUNKO Research Center	Director	MIZUMOTO Toyofumi, M.Lit.
Faculty of Education	Dean	INABA Tsuguharu, D.Lit.
University Kindergarten	Principal	TODA Tatsuhiko, M.Lit.
University Elementary School	Principal	TANAKA Hitoshi, Ph.D.
University Junior High School	Principal	FUJITA Yutaka, Ph.D.
Kumamoto-u Attached Special Support School	Principal	IFUKU Hirotohi, Ph.D.
Center for Educational Research and School Development	Director	SAKASHITA Reiko, Ph.D.
Faculty of Law	Dean	KOGA Noritsugu, M.D.
Faculty of Science	Dean	FUKAMACHI Kiminobu, LL.M.
School of Medicine	Dean	TAKAMIYA Masayuki, D.Sc.
School of Pharmacy	Dean	NISHIMURA Yasuharu, M.D., Ph.D.
Research Institute for Drug Discovery	Director	KAI Hirofumi, Ph.D.
Center for Clinical Pharmaceutical Sciences	Director	SUGIMOTO Yukihiko, Ph.D.
Center for Medicinal Resources and Ecology	Director	HIRATA Sumio, Ph.D.
Faculty of Engineering	Dean	WATANABE Takashi, Ph.D.
Engineering Research Equipment Center	Director	MURAYAMA Nobuki, Ph.D.
Creative Engineering and Design Education Center	Director	IKEGAMI Tomoaki, D.Eng.
Graduate School of Education	Dean	IKI Kazuhisa, D.Eng.
Graduate School of Social and Cultural Sciences	Dean	TODA Tatsuhiko, M.Lit.
Graduate School of Science and Technology	Dean	ITO Hironori, Ph.D.
Faculty of Life Sciences	Dean	OTANI Jun, Ph.D.
Graduate School of Medical Sciences	Dean	NISHIMURA Yasuharu, M.D., Ph.D.
Graduate School of Pharmaceutical Sciences	Dean	NISHIMURA Yasuharu, M.D., Ph.D.
Graduate School of Health Sciences	Dean	KAI Hirofumi, Ph.D.
School of Law	Dean	YOSHINAGA Kazuya, D.V.M., Ph.D.
Clinical Legal Education and Research Center	Director	HIRATA Hajime, LL.M.
University Hospital	Director	HIRATA Hajime, LL.M.
University Library	Director	MIZUTA Hiroshi, M.D., Ph.D
Center for Management of Information Technologies	Director	YAMAOKA Toshitaka, Dr.Eng.
College of Cross-Cultural and Multidisciplinary Studies	Director	SUGITANI Kenichi, Dr.Eng.
Research Center for Higher Education	Director	TAKASHIMA Kazuki, Dr.Eng.
Center for Policy Studies	Director	FUJIMOTO Hitoshi, Dr.Sci.
Memorial Museum of the Fifth High School	Director	MATSUMOTO Yasumichi, D.Eng.
Center for Marine Environment Studies	Director	ITO Juko, D.Eng.
Magnesium Research Center	Director	HENMI Yasuhisa, D.Sc.
Institute of Pulsed Power Science	Director	KAWAMURA Yoshihito, Ph.D.
Institute of Resource Development and Analysis	Director	AKIYAMA Hidenori, D.Eng.
Center for AIDS Research	Director	OIKE Yuichi, M.D., Ph.D.
Institute of Molecular Embryology and Genetics	Director	MATSUSHITA Shuzo, M.D., Ph.D.
Priority Organization for Innovation and Excellence	Director	NAKAO Mitsuyoshi, M.D., D.M.Sc.
Innovative Collaboration Organization	Director	HARADA Shinji, M.D., D.M.Sc.
Organization for General Education	Director	MATSUMOTO Yasumichi, D.Eng.
Organization for Community Development	Director	FURUSHIMA Mikio, D.Sc.
International Research Center for Medical Sciences	Director	HARADA Shinji, M.D., D.M.Sc.
Health Care Center	Director	SUDA Toshio, M.D., Ph.D.
Environmental Safety Center	Director	SOEJIMA Hirofumi, M.D., Ph.D.
Research Center for Buried Cultural Properties	Director	TOGAWA Kenichi, Dr.Ecs.
Institute for e-Learning Development	Director	KINOSHITA Naoko, D. Lit.
Administration Bureau		FURUSHIMA Mikio, D.Sc.
Strategic Management Planning Office	General Manager	OYA Satoshi
Marketing Promotion Office	General Manager	KITAMURA Toshio
Research / Education Promotion Office	General Manager	YAMASAKI Masahiko
Student Affairs Office	General Manager	NAGATA Atsushi
University Hospital Administrative Office	General Manager	MATSUDA Atsurou
Administrative Office	General Manager (General Affairs)	SHINODA Tetsuo
	General Manager (Finance)	SHIRASU Susumu
	General Manager (Facilities)	KURIKI Hiroshi

FACULTY AND STAFF SIZE

(As of May 1, 2015)

Classification	Professors	Associate Professors	Lecturers (Full-time)	Assistant Professors	Research Assistant	Teachers (Attached School)	Sub-total	Administrative and Technical Staff	Total
Faculty of Letters	28	28	2				58		58
Faculty of Education	52	40	7			85	184	3	187
Faculty of Law	13	16	3		1		33		33
Faculty of Science							0	3	3
School of Pharmacy	3	3		1	1		8	5	13
Faculty of Engineering		1					1	41	42
Graduate School of Social and Cultural Sciences	8	6					14		14
Graduate School of Science and Technology	93	86	3	33			215		215
Faculty of Life Sciences	82	46	25	106			259	9	268
School of Law	9	8	1				18		18
Institute of Molecular Embryology and Genetics	8	2	1	8			19	8	27
Institute of Pulsed Power Science	9	5		1			15	1	16
Priority Organization for Innovation and Excellence		9		3			12		12
Innovative Collaboration Organization	1	3					4		4
Center for Management of Information Technologies	4	1		1			6	3	9
College of Cross-Cultural and Multidisciplinary Studies	1	1	2				4		4
Research Center for Higher Education	2	3					5		5
Center for Policy Studies	2	3					5		5
The Memorial Museum of the Fifth High School		1					1		1
Institute for e-Learning Development	1	1					2	1	3
Center for Marine Environment Studies	2	2					4	1	5
Magnesium Research Center	3	1					4		4
Institute of Resource Development and Analysis	2	3	2	4			11	7	18
Center for AIDS Research	3	3		2			8		8
Environmental Safety Center		1					1		1
Research Center for Buried Cultural Properties		1		2			3		3
Health Care Center	1	1		1			3	2	5
University Hospital	4	7	33	68			112	1,120	1,232
Administration Bureau							0	428	428
Total	331	282	79	230	2	85	1,009	1,632	2,641

STUDENT ENROLLMENT

(The 2015 School Year)

■ Undergraduate Students ■

Faculty and School	Number	
Letters	770	558
Education	1,288	716
Law	923	407
Science	812	222
Medicine	1,342	679
Pharmacy	500	236
Engineering	2,419	368
Total	8,054	3,186

■ Diploma Course ■

Faculty and School	Number	
Diploma Course in Special Education	20	13

■ Special Course ■

Faculty and School	Number	
Special Course in School Health	44	43

* Colored figures indicate the number of females included in the figures.

■ Graduate Students ■

Faculty and School	Master		Doctor		Juris Doctor	
Education	87	39	—	—	—	—
Social and Cultural Sciences	165	91	80	33	—	—
Science and Technology	936	138	215	43	—	—
Medical Sciences	28	17	341	106	—	—
Health Sciences	57	30	37	17	—	—
Pharmaceutical Sciences	72	30	65	19	—	—
School of Law	—	—	—	—	36	11
Total	1,345	345	738	218	36	11

■ Attached Schools ■

Classification	Number	
Elementary School	668	336
Junior High School	478	240
Special Support School	61	23
Kindergarten	133	64
Total	1,340	663

STUDENT FINANCIAL AID

(As of March 1, 2015)

■ Japanese Students ■

Classification	Number of Students	Japanese Government Scholarship	Other Scholarships	Total		
				Number	Rate	
Undergraduate Students	8,032	4,420	109	4,529	56.4%	
Graduate Students	Master	1,298	697	11	708	54.5%
	Doctor	724	91	1	92	12.7%
	Juris Doctor	33	21	0	21	63.6%
Total	10,087	5,229	121	5,350	53.0%	

■ International Students ■

Classification	Number of Students	Japanese Government Scholarship	Other Scholarships	Total	
				Number	Rate
Undergraduate Students	149	16	10	26	17.4%
Graduate Students	320	71	128	199	62.2%
Japanese Language Trainees	4	4	0	4	100.0%
Total	473	91	138	229	59.9%

STUDENT ADMISSION

(The 2015 School Year)

■ Undergraduate Students ■

Faculty and School	Applicants	Newly Enrolled Students	Rate of Enrollment
Letters	642	180	28.0%
Education	801	316	39.5%
Law	558	214	38.4%
Science	726	193	26.6%
Medicine	770	115	14.9%
Health Sciences	481	152	31.6%
Pharmacy	456	92	20.2%
Engineering	1,159	534	46.1%
Total	5,593	1,796	32.1%

■ Graduate Students ■

Faculty and School		Applicants	Newly Enrolled Students	Rate of Enrollment
Education	Master	61	49	80.3%
Social and Cultural Sciences	Master	100	71	71.0%
	Doctor	26	13	50.0%
Science and Technology	Master	524	445	84.9%
	Doctor	38	34	89.5%
Medical Sciences	Master	18	13	72.2%
	Doctor	84	73	86.9%
Health Sciences	Master	34	26	76.5%
	Doctor	10	9	90.0%
Pharmaceutical Sciences	Master	45	36	80.0%
	Doctor	19	17	89.5%
Law	Juris Doctor	25	9	36.0%
Total		984	795	80.8%

■ Diploma Course ■

	Applicants	Newly Enrolled Students	Rate of Enrollment
Diploma Course in Special Education	20	20	100%

■ Special Course ■

	Applicants	Newly Enrolled Students	Rate of Enrollment
Special Course in School Health	66	44	66.7%

STUDENT COSTS

(As of May 1, 2015 / Unit: yen)

	Entrance exam fee	Admission fee	Tuition fees
Undergraduate Students	17,000	282,000	535,800/ year
Graduate Students	30,000	282,000	535,800/ year
Graduate Students (School of Law)	30,000	282,000	804,000/ year
Research Students	9,800	84,600	29,700/ month
Auditing students*	9,800	28,200	14,800/ credit

*Includes non-degree course students

DEGREES AWARDED

(As of March 31, 2015)

■ Master's Degree ■

Classification	New System	
	2014.4-2015.3	Total
Master of Arts	27	988
Master of Education	35	1,105
Master of Law	8	457
Master of Public Policy	5	86
Master of Medical Sciences	33	269
Master of Health Sciences	5	50
Master of Nursing	11	61
Master of Pharmaceutical Sciences	25	1,704
Master of Clinical Pharmacy	—	76
Master of Health Life Science	5	10
Master of Science	89	2,171
Master of Engineering	309	8,556
Master of Philosophy	16	86
Master of Science in Instructional Systems	9	96
Total	577	15,715

■ Doctoral Degree ■

Classification	Old System	New System			
		Course Completion		Thesis Submission	
		2014.4-2015.3	Total	2014.4-2015.3	Total
Doctor of Literature	—	3	62	2	17
Doctor of Public Policy	—	—	22	—	3
Doctor of Laws	—	—	7	—	—
Doctor of Science	—	8	191	1	30
Doctor of Engineering	—	30	622	—	110
Doctor of Philosophy	—	18	302	—	19
Doctor of Medical Sciences	1,663	61	2,009	8	978
Doctor of Health Sciences	—	1	3	—	—
Doctor of Nursing	—	1	2	—	—
Doctor of Pharmaceutical Sciences	—	6	266	2	153
Doctor of Clinical Pharmacy	—	—	7	—	—
Doctor of Life Sciences	—	4	22	1	5
Juris Doctor	—	3	161	—	—
Total	1,663	135	3,676	14	1,315

AFTER GRADUATION

(The 2015 School Year)

■ Undergraduate Students ■

Faculty and School	Number of Graduates	Number of Continuing Higher Education		Number of Employed		Others	
			Rate		Rate		Rate
Letters	189	15	7.9%	144	76.2%	30	15.9%
Education	296	45	15.2%	216	73.0%	35	11.8%
Law	218	12	5.5%	161	73.9%	45	20.6%
Science	182	100	54.9%	70	38.5%	12	6.6%
Medicine	246	17	6.9%	132	53.7%	97	39.4%
Pharmacy	89	40	44.9%	45	50.6%	4	4.5%
Engineering	537	353	65.7%	167	31.1%	17	3.2%
Total	1,757	582	33.1%	935	53.2%	240	13.7%

■ Graduate Students ■

Faculty and School		Number of Graduates	Number of Continuing Higher Education		Number of Employed		Others	
				Rate		Rate		Rate
Education	Master	35	1	2.9%	26	74.3%	8	22.9%
Social and Cultural Sciences	Master	63	5	7.9%	35	55.6%	23	36.5%
	Doctor	7	—	—	7	100.0%	—	—
Science and Technology	Master	400	25	6.3%	364	91.0%	11	2.8%
	Doctor	60	—	—	37	61.7%	23	38.3%
Medical Sciences	Master	35	8	22.9%	21	60.0%	6	17.1%
	Doctor	76	—	—	56	73.7%	20	26.3%
Health Sciences	Master	16	3	18.8%	13	81.3%	—	—
	Doctor	2	—	—	2	100.0%	—	—
Pharmaceutical Sciences	Master	28	9	32.1%	17	60.7%	2	7.1%
	Doctor	7	—	—	3	42.9%	4	57.1%
Law	Juris Doctor	3	—	—	—	—	3	100.0%
Total		732	51	7.0%	581	79.4%	100	13.7%

BUDGET BREAKDOWN

■ Statements of Income (FY2015) ■

Unit: million yen

Grants for Management	15,221
Tuition and University Hospital	29,335
Commissioned Research	3,439
Subsidy for Facility	1,741
Loan for Facility	1,781
Total	51,517

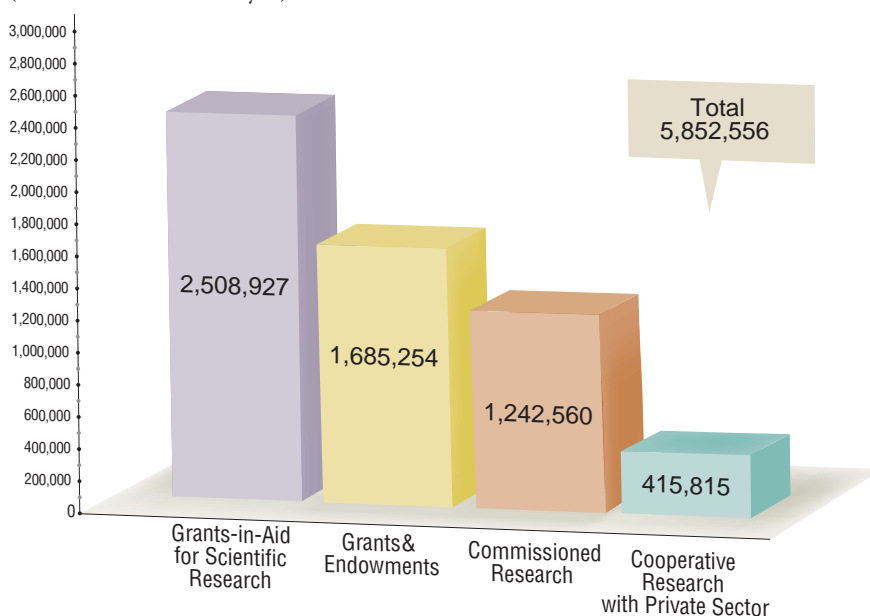
■ Statements of Expenditure (FY2015) ■

Unit: million yen

Personnel Cost	19,911
Cost of Supplies	21,427
Debt Redemption	3,218
Commissioned Research	3,439
Expenditure for Facility	3,522
Total	51,517

■ Funds from Other Sources ■

(FY2014 / Unit: thousand yen)



■ Grants-in-Aid for Scientific Research (FY2014) ■

Categories	Proposals Selected	*Research Expense
Grant-in-Aid for Scientific Research on Innovative Areas	41	436,290
Scientific Research (S)	1	39,000
Scientific Research (A)	15	128,180
Scientific Research (B)	55	271,850
Scientific Research (C)	299	467,805
Challenging Exploratory Research	65	109,590
Grant-in-Aid for Young Scientists (A)	8	64,870
Grant-in-Aid for Young Scientists (B)	130	198,055
Grant-in-Aid for Research Activity Start-up	15	21,060
Grant-in-Aid for Publication of Scientific Research Results	1	1,800
Grant-in-Aid for JSPS Fellows	33	36,850
Total	663	1,775,350

*Includes overhead costs/ Unit: thousand yen

KUROKAMI North Campus



Kurokami North Campus

- 1 Kurokami North N1 (Faculty of Letters) (Faculty of Law)
- 2 Kurokami North N2 (Faculty of Letters) (Faculty of Law)
- 3 Kurokami North N3 (School of Law)
- 4 Kurokami North N4 (Faculty of Letters) (Faculty of Law)
- 5 Kurokami North N5 (Graduate School of Social and Cultural Sciences)
- 6 Kurokami North N6 (Faculty of Letters) (Faculty of Law)
- 7 Kurokami North N7 (Faculty of Education)
- 8 Kurokami North N8 (Faculty of Education)
- 9 Kurokami North N9 (Faculty of Education)
- 10 Kurokami North N10 (Faculty of Education)
- 11 Kurokami North N11 (Faculty of Education)
- 12 Kurokami North N12 (Academic Commons Kurokami Bldg. 8)

- 13 'Ai Work' Job Café
- 14 Chimeido Hall
- 15 Kusunoki Hall
- 16 Kurokami North Facility and Administration Building
- 17 Kurokami North C1 (Academic Commons Kurokami Bldg. 5)
- 18 The Memorial Museum of the Fifth High School ※
- 19 University Library
- 20 University Library (South Building)/ The Open University of Japan Kumamoto Study Center
- 21 Health Care Center
- 22 North Student Hall Bldg. A (Cafeteria, Bookstore and Shops)
- 23 North Student Hall Bldg. B
- 24 Guard Station
- 25 The Front Gate (The Red Gate) ※
- 26 Kurokami North E1 (General Education Building)
- 27 Kurokami North E2 (Academic Commons Kurokami Bldg. 6)
- 28 Kurokami North E3 (Academic Commons Kurokami Bldg. 6)

- 29 The Chemical Laboratory of the Fifth High School
- 30 Environmental Safety Center
- 31 College of Cross-Cultural and Multidisciplinary Studies
- 32 Club Rooms 1
- 33 Kurokami Gymnasium
- 34 Club Rooms 2
- 35 Club Rooms 3
- 36 Athletic Field (Bufugen)
- 37 Swimming Pool

Kumamoto-u Attached Special Support School

- 38 Kurokami North E8 (Faculty of Education)
- 39 Kurokami North E9 (Special Support School Bldg. A)
- 40 Kurokami North E10 (Special Support School Bldg. B)
- 41 Kurokami North E11 (Special Support School Bldg. C)
- 42 Kurokami North E12 (Special Support School Gymnasium)
- 43 Kurokami North E13 ('Suzukake-no-ie' ADL Training House)
- 44 Swimming Pool
- 45 Athletic Field



Kurokami Campus (311, 478m²)

KUROKAMI South Campus



Kurokami South Campus

- 45 Kurokami South W1 (Mathematics and Engineering)
- 47 Kurokami South W2 (Computer Science and Electrical Engineering)
- 48 Kurokami South W3 (Academic Commons Kurokami Bldg. 1)
- 49 Kurokami South W4 (Applied Chemistry and Biochemistry)
- 50 Kurokami South W5 (Engineering Research Laboratories)
- 51 Kurokami South W6 (Machine Shop A)
- 52 Kurokami South W7 (Machine Shop B)
- 53 Kurokami South W8 (Creative Engineering and Design Education Laboratory 1)
- 54 Kurokami South W9 (Creative Engineering and Design Education Laboratory 2)
- 55 100th Anniversary Hall
- 56 Kurokami South C1 (Academic Commons Kurokami Bldg. 7)
- 57 Kurokami South C2 (Architecture and Building Engineering) (Civil and Environmental Engineering)
- 58 Kurokami South C3 (Mechanical System Engineering) (Materials Science and Engineering)
- 59 Kurokami South C4 (Academic Commons Kurokami Bldg. 2)
- 60 Kurokami South C5 (Laboratory for Nanostructure Characterization)
- 61 Kurokami South C6 (Acoustic Laboratory)
- 62 Kurokami South C7 (Academic Commons Kurokami Bldg. 3)
- 63 Kurokami South C8 (Engineering Lecture Hall)
- 64 Kurokami South C9 (Center for Management of Information Technologies)
- 65 Kurokami South C10 (Academic Commons Kurokami Bldg. 4)
- 66 University Hall (Administrative Offices)
- 67 Museum of the Engineering Faculty ※
- 68 Guard Station
- 69 Kurokami South E1 (Faculty of Science Bldg. 1&2)
- 70 Kurokami South E2 (Faculty of Science) (Graduate School of Science and Technology)
- 71 Kurokami South E3 (Faculty of Science Bldg. 3)
- 72 Kurokami South E4 (Faculty of Science Bldg. 4)
- 73 Kurokami South E5 (Research Building for Science and Technology)
- 74 Kurokami South E6 (Experimental Building for Science and Technology)
- 75 Kurokami South E7 (Acoustic Analysis Laboratory for Underwater Environments)
- 76 Kurokami South E8 (Low Temperature and He Gas Recovery Station)
- 77 Kurokami South E9 (Ecology System Laboratory)
- 78 South Student Hall
- 79 FORICO (Cafeteria and Convenience Store)
- 80 Kurokami South S1 (Hydraulic Laboratory)
- 81 Kurokami South S2 (Instrumental Analysis Center for Engineering Research)
- 82 Kurokami South S3 (Disaster Prevention Laboratory)
- 83 Kurokami South S4 (Kurokami Radioisotope Laboratory)
- 84 Kurokami South S5 (Research Center for Buried Cultural Properties)
- 85 Kurokami South S6 (Venture Laboratory) (Shock Wave and Condensed Matter Research Building)
- 86 Kurokami South S7 (Incubation Center)
- 87 Kurokami South S8 (Shock Wave Laboratory)
- 88 Kurokami South S9 (Engineering Experimental Laboratories)
- 89 Kurokami South S10 (MRC Casting Laboratory)
- 90 Kurokami South S11 (MRC Forming and Machining Laboratory)
- 91 Kurokami South S12 (International Research Center for Advanced Science and Technology) (Magnesium Research Center(MRC))

HONJO-KUHONJI



Honjo Campus

- 1 West Tower
- 2 East Tower
- 3 Central Examination Building
- 4 Outpatient Examination and Clinical Research Building
- 5 Administration Building
- 6 Yamasaki Memorial Hall ■
- 7 Welfare Facilities
- 8 Facilities Management Building
- 9 Honjo North1 (Clinical Research Building)
- 10 Honjo North2 (Medical Education & Library Building)
- 11 Honjo North3 (General Medical Research Building)
- 12 Honjo North4 (Basic Research Building)
- 13 Honjo North5 (The Center for Medical Education and Research)
- 14 Dormitory for Nurses
- 15 Multistory Parking Garage 1
- 16 Multistory Parking Garage 2
- 17 Outpatient Building
- 18 Honjo Center1 (Institute of Resource Development and Analysis (Center for Animal Resources and Development))
- 19 Honjo Center2 (Center for AIDS Research, Center for Animal Resources and Development)
- 20 Honjo Center4 (Lecture Building)
- 21 Honjo Center5 (Institute of Molecular Embryology and Genetics)
- 22 Honjo Center6 (Institute of Resource Development and Analysis (Gene Technology Center / Radioisotope Center))
- 23 Honjo Center7 (Academic Commons Honjo-1)
- 24 Club Room
- 25 Club Room
- 26 Club Room
- 27 Higo Iku Monument Hall
- 28 Honjo Center3 (International Research Center for Medical Sciences(IRCMS))

- 29 Student Union "Kaiju"
- 30 Honjo Gymnasium
- 31 Honjo South1 (School of Health Sciences Bldg. A, B, C)
- 32 Honjo South2 (Academic Commons Honjo-2)
- 33 Honjo South3 (School of Health Sciences Bldg. E)
- 34 Club Room
- 35 Kobato Nursery



OE

Oe Campus

- 1 Oe C1 (Main Building A, B, C)
- 2 Oe C2 (Main Building D)
- 3 Oe C3 (Main Building E (Library, Research Institute for Drug Discovery))

- 4 Oe C4 (Lecture Building)
- 5 Oe C5 (Center for Clinical Pharmaceutical Sciences)
- 6 Oe W1 (Animal House)
- 7 Oe W2 (Joint Research Building)
- 8 Oe W3 (Radioisotope Center)
- 9 Oe E1 (General Research Building)
- 10 Oe E2 (Instrumental Analysis Center)
- 11 Oe E3 (Medicinal Plant Garden Administration House)
- 12 Compost Depot
- 13 Banjikan Hall (Restaurant, Seminar Room, Liaison Office)
- 14 Oe Gymnasium
- 15 The Kumayaku Museum and Miyamoto Memorial Hall
- 16 School of Pharmacy Resource Center
- 17 Staff Residence
- 18 Athletic Field
- 19 Center for Medicinal Resources and Ecology (Medicinal Plant Garden)



Honjo - Kuhonji Campus (133, 312m²)

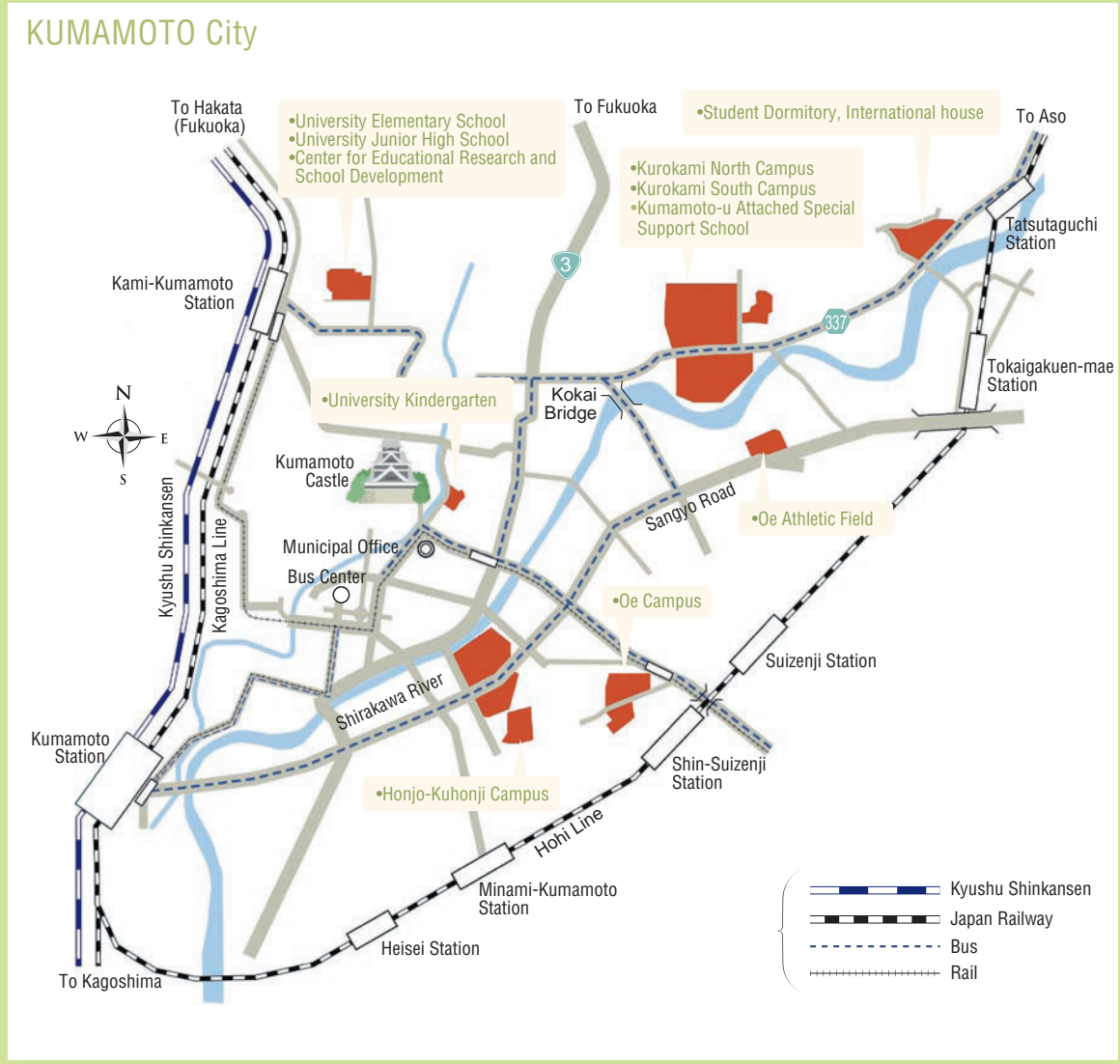


Oe Campus (51, 264m²)

LOCATION



KUMAMOTO City





The Kumamoto Area

Kumamoto University is located in the city of Kumamoto in Kyushu, the southern-most main island of Japan. Kumamoto City is the third biggest city in Kyushu. It has a population of approximately 740,000, which is equivalent to about 41% of the total population of the prefecture. By air it takes 90 minutes from Tokyo and 60 minutes from Osaka; by Kyushu Shinkansen it takes 40 minutes from Fukuoka City.

The weather is generally mild, though there is a rainy season from early June to mid-July, followed by a sub-tropically hot summer season. Autumn and spring offer the most comfortable weather. Warm clothing is necessary in January and February. It seldom snows even in midwinter, and never more than a few centimeters.

Known for its abundance of trees and greenery, Kumamoto is one of Japan's oldest cities. While offering the latest in modern facilities, Kumamoto has managed to retain a purity and simplicity of old Japanese customs, flavor, and spirit which make it an interesting place to visit and a delightful place to live.

Local attractions include Kumamoto Castle, one of the oldest and grandest medieval castle in Japan; Kumamoto downtown area, located 10-15 minutes away from Kumamoto University by bicycle and known for a lot of office building and shopping streets; the Amakusa Islands, a chain of 120 islands known for their exciting Christian

history and plenty of rich nature; and Aso National Park, crowned by the active volcano Mt. Aso, with the largest caldera volcano in the world. Because of its proximity to Mt. Aso, the Kumamoto area also has an abundance of natural hot springs. Kumamoto is also well-known in Japan for its delicious drinking water. Because the rainfall that soaks into the ground in the mountains of the Aso region takes many years to come out, one can always be able to drink delicious water.



創造する森
挑戦する炎



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“Forest of Creative Powers, Blaze of Challenging Spirits”

Kumamoto University (KU), a globally active research university with roots in local communities, has adopted a motto that symbolizes the university's brand attributes and expresses its essential quality: "KU Spirit."

Calligraphy by Mr. Takehiko Inoue, a manga artist known for SLAM DUNK, Vagabond and many more. He is a former student of the Faculty of Letters of Kumamoto University.