

# KOBE UNIVERSITY

2014-2015



## Message from the President

As President of Kobe University, I would like to extend you a warm welcome. This year has seen further steps in Kobe University's progress toward global excellence in research and education.

One area is its stronger commitment to advancing research profiles. Kobe University was selected as one of the top 20 research-intensive universities in Japan in 2013 under the Program for Promoting the Enhancement of Research Universities by the Ministry of Education, Culture, Sports, Science and Technology, Japan. These grants-in-aid certainly help us further reinforce our research foundation and support system, by which we can produce more outstanding results and contribute to society. The advancement of interdisciplinary research collaboration among four domains—the humanities, social sciences, natural sciences and biomedical sciences—is Kobe University's core approach to addressing pressing global issues. The Integrated Research Center of Kobe University plays a pivotal role in promoting such research projects, many of which are proceeding to achieve significant outcomes.

Another key feature of Kobe University's evolution is our ongoing successful internationalization. We are further enhancing academic exchange with overseas institutions, and joint research and the number of collaborative educational programs is continuously increasing. I believe experience in

foreign countries is essential for both academics and students to develop their talent and professional skills in a global world. By the end of the year 2013/2014, the number of young academic staff members who have conducted their research activities at overseas institutions will reach 100, in keeping with Kobe University's original scheme to send young researchers overseas begun in 2009. We have also newly established the Centre for EU – Japan Collaborative Education to promote an integrated and interdisciplinary education throughout the undergraduate and graduate levels, with the aim of obtaining double master's degrees awarded by Kobe University and partner universities in the EU. This is a new opportunity for our students in addition to already existing exchange or subject-oriented international programs and this was realized on the basis of strong partnerships with EU institutions and universities.

It is my belief that Kobe University's initiatives embracing the latest technological innovations and advanced educational programs along with the respect for our core spirit of *Integrity, Freedom and Cooperation*, will, with our team of visionary individuals in every unit, ensure our continued advancement toward global excellence. I extend an invitation to all students, researchers, the public and private sectors, as well as to all persons and organizations interested in studying at or collaborating with Kobe University.



FUKUDA Hideki  
President







**FUKUDA Hideki**  
President

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## Toward Global Excellence in Research and Education

In keeping with its open and cosmopolitan environs since its foundation in 1902, Kobe University has been vigorously pursuing academic endeavors by exploring and practicing novel theories in the spirit of integrity, freedom, and cooperation.

Kobe University provides an education that heightens one's humanity, creativity, internationality and expertise and also strongly promotes advanced interdisciplinary research.

In the course of our quest for academic excellence, many of Kobe University's core research areas have gained

considerable recognition worldwide, a number that is increasing on an ongoing basis. In most of these areas we are on a path to creating "centers of excellence."

The University has been actively promoting academic exchanges with educational and research institutions abroad and we now have partnerships with 249 overseas institutions from 53 countries. By broadening such partnerships worldwide, Kobe University strives for achieving excellence in research and education globally.

## Celebrating 112 Years of History

Kobe University traces its history back to March 1902, when the Kobe Higher Commercial School was established. In April 1929, the School was renamed Kobe University of Commerce, and in October 1944, it was once again renamed to become Kobe University of Economics.

In May 1949, Kobe University of Economics, the College Preparatory Course of Kobe University of Economics, the College of Business Administration attached to Kobe University of Economics, Himeji High School, Kobe Technical College, Hyogo Normal School, and Hyogo Junior Normal School were all brought together to become Kobe University. Initially, Kobe University began with six faculties, but new faculties and graduate schools have been added as well as reorganized for the enhancement of the overall academic Environment.

In October 1992, the Division of Liberal Arts and the Faculty of Education were reformed, resulting in the creation of the Faculty of Intercultural Studies, the Faculty of Human Development, and the Research Institute for Higher Education. At the same time, the Graduate School of International Cooperation Studies was established.

In October 2003, Kobe University of Mercantile Marine (KUMM) was integrated into Kobe University. As a result of this integration, the Faculty of Maritime Sciences, the Sea Training Course and the Maritime Science Division were established.

Today, Kobe University has developed into one of the most comprehensive universities in Japan with 11 faculties/schools, 14 graduate schools and a great number of educational research centers/institutions.





## Organization Chart for Education and Research

### ■ Faculty/School

- Letters
- Intercultural Studies
- Human Development
- Law
- Economics
- Business Administration
- Science
- Medicine
  - University Hospital
- Engineering
- Agriculture
- Maritime Sciences

### ■ Graduate School

- Humanities
- Intercultural Studies
- Human Development and Environment
- Law
- Economics
- Business Administration
- Science
- Medicine
- Health Sciences
- Engineering
- System Informatics
- Agricultural Science
- Maritime Sciences
- International Cooperation Studies

### ■ Organization of Advanced Science and Technology

- Core Research Team
- Research Center for
  - Environmental Genomics
  - Biosignal Research Center
  - Research Center for Inland Seas
  - Research Center for Urban Safety and Security
  - Molecular Photoscience Research Center

### ■ Attached Institute

- Research Institute for Economics and Business Administration

### ■ University Library

- General Library
- Library for Social Sciences
- Library for Science and Technology
- Library for Humanities
- Library for Intercultural Studies
- Library for Human Development Sciences
- Library of Research Institute for Economics and Business Administration
- Library for Medical Sciences
  - Library for Health Sciences
- Library for Maritime Sciences

### ■ Organization for the Promotion of Interdisciplinary Integration of Education and Research

- Interfaculty Initiative in the Social Sciences
- Integrated Research Center
- Centre for EU-Japan Collaborative Education (EJCE)

### ■ Common-use Facilities

- Information Science and Technology Center
- Center for Collaborative Research and Technology Development (CREATE)
- International Student Center
- School of Languages and Communication
- Center for Supports to Research and Education Activities
- Center for Environmental Management



# International Research University

Since its founding in the international port city, Kobe University, as one of the major academic and research institutions in Japan, has been striving to cement its global presence.

## Institute of Promoting International Exchange Programs

Kobe University Institute of Promoting International Exchange Programs offers international and interdisciplinary programmes/projects to further strengthen the university's global competitiveness in cooperation with the following three core bodies:

The Centre for EU Studies has been collaborating with the European Commission and other educational and research institutions in Europe to tackle key global issues and undertake the implementation of human resource development programmes. The Centre continues to build further relationships with domestic and overseas organisations. We envision that the collaboration between Japan and the EU will contribute to the realisation of more sustainable societies throughout the world.

We are firm in our belief that the relationship with China and other ASEAN nations will become ever more important in the future. The Centre for Asian Studies aims at enhancing and expanding pre-existing student/researcher exchange agreements with Chinese and other Asian universities,

thereby to mutually develop and accelerate the mobility of human resources.

The Office of the Americas is undertaking strategic and systematic development of relationships with academic institutions in the North and South Americas.



Prof. INOUE Noriyuki  
Executive Vice President,  
Director, Institute of Promoting  
International Exchange Programs

*Message  
from the Director*

"The Institute of Promoting International Exchange Programs works tirelessly to implement the University's international strategies, with a view to transforming the University into a major global educational and research institution attracting first-rate talent from across the globe."

## Centre for EU-Japan Collaborative Education (EJCE)

Kobe University has developed a programme to foster human resources with the goal of deepening relations between Japan and the European Union.

The Centre for EU-Japan Collaborative Education (EJCE) was established on 1 October 2013 with the aim of promoting interdisciplinary higher education based on collaboration between Kobe University and universities in the EU. EJCE will coordinate and promote the Kobe University Programme for European Studies (KUPES), a unique degree program that enables learning across multiple academic disciplines. EJCE also coordinates and organises a double-degree project "EU-Japan Advanced Multidisciplinary Master Studies (EU-JAMM)" funded jointly by the Japanese government and the EU.



## EU Institute in Japan, Kansai (EUIJ-Kansai)



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The *EUIJ-Kansai*, the consortium formed by Kobe University (the coordinating university) and two other universities, was established on 1 April 2005 with financial support from the European Commission in order to contribute to strengthening ties between Japan and the EU. The *EUIJ-Kansai*, has been continuing its activities for more than nine years during which its EU-related activities were greatly enlarged by concluding cooperative agreements with an additional five universities.

Our missions are: 1) to be a centre of academic excellence in education and research of EU studies, 2) to disseminate information on the EU, and 3) to increase the level of EU awareness among the general public.



## Integrated Research Center (IRC) on Port Island

The IRC has defined computational science as an axis of academic research. While it has linked up with the RIKEN Advanced Institute for Computational Science, the IRC is also collaborating with various other entities, including a number of research-related organizations on Port Island, to develop human resources in the field of computational science, and to promote advanced research projects for integrating different disciplines.

In April 2014, the Education Center on Computational Science and Engineering was established within the IRC to further focus on human resources development, both within and outside the university. A new building will be completed in the IRC at the end of March, 2015. While the new building is designed to promote university-wide research, its ground floor is expected to house cutting-edge, production-capable equipment to develop

manufacturing technology for next-generation bio-drugs. The IRC is planning to both amass and expand related projects.



Dr. MIYAKE Masashi  
Director,  
Integrated Research Center

*Message  
from the Director*

"While the IRC'S individual research projects pursue key subjects in their respective fields, it will be important in the future to further vitalize cross-disciplinary research using the K computer."

### 10 On-going Research Projects at IRC

	Projects	Project Leader
1	Integrated Bio-refinery Research Project	KONDO Akihiro
2	Research Project for Membrane Technology	MATSUYAMA Hideto
3	Kobe University Space Development Project	KAYA Nobuyuki
4	Research Project for Structure Based Drug Discovery	TSURUTA Hiroki
5	International Research Project on Health Science and Technology	LUO Zhiwei
6	Research Project on Computational Science and Computer Engineering	TANAKA Shigenori
7	Kobe Education Project on Computational Science and Engineering (Education Center on Computational Science and Engineering)	KAYA Nobuyuki
8	Center for Planetary Science	NAKAGAWA Yoshitsugu
9	Peta-Scale Simulation Education Project (Education Center on Computational Science and Engineering)	KAYA Nobuyuki
10	Advanced Institute for Computational Science (AICS) Joint Research Project	

### 5 Joint Project Themes with AICS

	Projects	Research Leader
1	Large-Scale Data Visualization Using $\pi$ -CAVE	KAGEYAMA Akira
2	Development of Massively-Parallel Eigenvalue Computation Library	YOKOKAWA Mitsuo
3	Development and Performance Evaluation of PARMER, a Plasma Particle Simulation Code, Using the K Computer	USUI Hideyuki
4	Development of Large-Scale Direct Numerical Simulation Code for Turbulent Flows on the K Computer	YOKOKAWA Mitsuo
5	Research, Development, and Utilization of Simulators for Earthquake and Torrential Rain Disasters	IIZUKA Atsushi



## Interfaculty Initiatives in the Social Sciences

Kobe University forms one of the largest and most prominent hubs in research and education of the social sciences in Japan. It has over 100 years of history and more than 220 faculty members of social sciences. As economic and social issues become more and more complicated, it is necessary that research experts from various fields collaborate and advance

interdisciplinary research and education. Established by four graduate schools and one research institute in the field of social sciences in 2012, Interfaculty Initiatives in the Social Sciences has been conducting advanced, inter-disciplinary and international projects such as Global Green Supply Chain Research and Econo-legal Studies.

# Distinctive Researchers



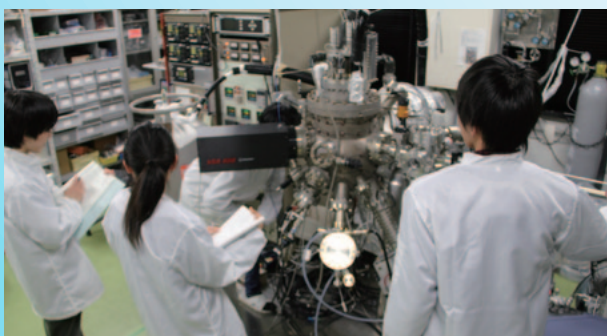
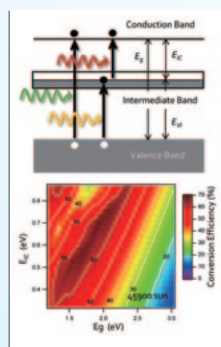
## KITA Takashi

Professor  
Graduate School of Engineering  
Semiconductor Device Physics

<http://www.research.kobe-u.ac.jp/eng-photonics/>

### Development of the next generation photonic devices

We are tackling exciting, awesome science created in quantum nanostructures and developing novel technologies that can play a key role in the next generation of photonic devices which combine electronics with photons. By utilizing quantum effects appearing in semiconductor nanostructures, new, high-performance photonic devices, such as ultra-fast optical switches, optical amplifiers, extremely high-conversion efficiency solar cells, and novel light sources, can be realized. In particular, recently, we are focusing on next-generation novel photovoltaic cells. Given increasing demand for renewable energy sources that can assure a safe and secure lifestyle, high-efficiency photovoltaics using p-i-n semiconductor solar cells are a very promising method of generating electrical power by converting solar radiation. The key concept breaking through limits on efficiency is that energy conversion covers a broad solar radiation spectrum. We will offer a route to a practical realization of a dream cell achieving an energy conversion efficiency greater than 50% using multi-color absorption in a multi-energy gap system of semiconductors.

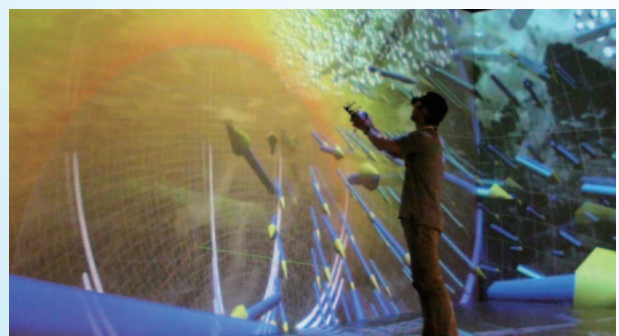


## KAGEYAMA Akira

Professor  
Graduate School of System Informatics  
Computational Geophysics and  
Scientific Visualization

### Computer simulation and visualization with Yin-Yang grid

Among various two-dimensional surfaces, the sphere is a special shape in natural science and engineering due to its symmetry and simplicity. In order to solve spherical problems numerically with computers, one has to cut the spherical surface into a set of tiny fragments or a mesh. However, it is not easy--actually it's impossible--to discretize a spherical surface with a rectangular mesh without a singularity. (The latitude-longitude mesh has north and south poles.) Taking the divide-and-rule approach, we proposed a new grid mesh system in which two congruent rectangular meshes with a complementary configuration cover a spherical surface with a partial overlap. This grid system, named Yin-Yang grid, is now applied in geophysics, solar physics, astrophysics, and other unexpected fields such as image processing by ourselves and other researchers.





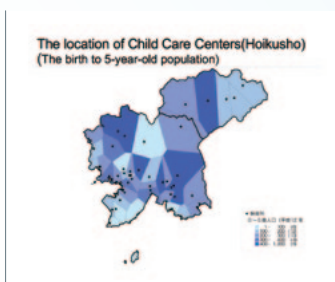


## KITANO Sachiko

Associate Professor  
Graduate School of Human Development  
and Environment  
Early Childhood Care and Education (ECCE)

### Professionalism of Early Childhood Care and Education (ECCE)

Considering increasing knowledge in the fields of neuroscience, labor economics, psychology and education, there is little remaining doubt that ECCE merits as much respect and funding as schools for older children.



However, the professionalism of ECCE teachers is still not generally understood. With strategies extracted from my Ph. D. thesis, "Professionalization of Early Childhood Education," international comparative studies have been made to evaluate ECCE policy and practice in Japan. Kobe University is one of the oldest and the best research institutions in the field of ECCE in Japan. Together with the Kobe University Kindergarten Lab, Kobe Kindergarten, and ECCE professional organizations in Japan, my action research results show the good effects of teachers' high-quality early childhood education filled with love and thoughtful care for their students. Preschool teachers play a significant role in building children's sense of trust, empathy, social morality and basis for academic skills.



## ITAKURA Fumiaki

Associate Professor  
Graduate School of Intercultural Studies  
Film Studies, History of  
Japanese Cinema, Film Archiving

### Exploring Diverse Histories of Cinema

My research theme focuses on the history of Japanese cinema within the discipline of film studies especially the late 19th century (the predawn of film history) through the 1960s. I have researched and



published papers on various topics such as the narrative-style of Japanese films during the 1910s, film censorship, the representation of the Ainu in Japanese films, and genre studies on maternal melodrama in Japan. My doctoral thesis was about how Japanese immigrants to the United States during the pre-war years received Japanese movies. From 2005 to 2012, I conducted research at Japan's national film archive housed in the National Film Center, the National Museum of Modern Art, Tokyo. Based on



these experiences, I am also conducting research about the methodology of film preservation and restoration in collaboration with the Kobe Planet Film Archive.

# Letters/Humanities

## Faculty of Letters

The Faculty of Letters explores the different fields of the humanities. In recent years, the world is undergoing significant changes due to globalization and the IT revolution. However, it is during times like this when the Faculty must stand by its main objective of “humanities” to ceaselessly explore the fundamentals of humans and to be engaged in the creation of new values.

The Faculty has one department (Department of Humanities) consisting of five principal research divisions, which are further divided into fifteen areas. During the first year of the undergraduate course, students take a wide variety of introductory classes. Then they move on to study their major subjects. There is an outstanding student-to-teacher ratio at the Faculty; the number of students in each undergraduate level is approximately 120, and 60 faculty members are assigned to teach them.

## Graduate School of Humanities

The five-year curriculum (two years for Master’s and 3 years for Doctoral) of the Graduate School is designed to enable its students more in-depth research and study in their fields. Practical courses are offered in both the Master’s and Doctoral Degree Programs to cultivate students capable of analyzing the social significance of the humanities and returning the research results to the society.

The Graduate School consists of two departments: Human Cultural Studies and Human Social Dynamics. The former encompasses two divisions: Philosophy and Literature, and the latter three divisions: History, Cognitive Studies and Socio-Cultural Studies. Through this system, students can conduct more detailed research into their areas of expertise.

### Message from Faculty

NAKA Mao  
Associate Professor  
Philosophy, Ethics



My most recent interests in philosophical and ethical studies are focused on the theme of the “Other” based on the work of Emmanuel Levinas. I emphasize the “Otherness of human reproduction” as an essential part of our existence, through which we are exposed to the corporeality and relationality of the “Other,” such as the opposite sex, a newborn child or the totality of our offspring. In this way, the “Other” means what transcends our attempts to understand and control it. The “Other” is essential to our point of view when engaging across cultures and opening up to it can offer us an opportunity to challenge our preconceptions.

### Student's Voice

Eleanor Ruth Summers  
International Student  
U.K.



I am a member of the Kobe-Oxford Japanese Studies Programme, in which second year students of Japanese Studies at Oxford University study for a year at Kobe University within the Faculty of Letters. Alongside intensive language classes, we attend seminars on a variety of interesting subjects. Outside of lessons, regularly scheduled events with other students of the Faculty provide an informal setting for both language and cultural exchange, which has been highly enjoyable as well as enriching. The staff have provided an excellent support system, helping our year go smoothly so we could both further our studies and enjoy life in Japan.



*At a Glance*

516  
Undergraduates enrolled

178  
Graduates enrolled

80  
International students enrolled

58  
Faculty members



## Undergraduate Program

Department	Divisions	Areas
Humanities	Philosophy	Philosophy
	Literature	Japanese Language and Literature
		Chinese Language and Literature
		British and American Literature
		German Literature
		French Literature
	History	Japanese History
		Asian History
		European and American History
	Cognitive Studies	Psychology
		Linguistics
		Art Theory
	Social Culture	Sociology
		Art History
		Geography

## Doctoral Program (three years) and Master's Program (two years)

Departments	Divisions	Areas
Human Cultural Studies	Philosophy	Philosophy
	Literature	Ethics
		Japanese Language and Literature
		Chinese and Korean Literature
		British and American Literature
Human Social Dynamics	History	European Literature
		Japanese History
		Asian History
	Cognitive Studies	European and American History
		Psychology
		Linguistics
		Art Theory
	Socio-Cultural Studies	Sociology
		Art History
		Geography
		Cultural Resources

## Courses Offered in English (AY2014)

	Courses
Undergraduate	Studies in American Literature
	Seminar in American Literature
	Seminar in English Literature
	Studies in English Linguistics
	Seminar in English Linguistics
	Studies in Global Humanities
	Seminar in Global Humanities
	Seminar in Global Communication
	Introduction to Japanese Culture and Society
Master's Program	Advanced Studies in British and American Literature X, IX
	Seminar in British and American Literature X, IX
	Advanced Studies in English Linguistics I, II
	Advanced Studies in Global Humanities
	Seminar in Global Communication I, II
	Academic Writing 2
	Introduction to Japanese Culture and Society



*Information*

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<http://www.lit.kobe-u.ac.jp/english/index.html>

# Intercultural Studies

Intercultural Studies is not a single discipline. It is a new research area focusing on the coexistence of diverse cultures and investigating new paradigms for understanding human culture across various disciplines. The Faculty and Graduate School of Intercultural Studies are committed to exploring different aspects of both change and stability in the contemporary world from the viewpoint of the rapidly burgeoning field of Intercultural Studies.

## Faculty of Intercultural Studies

The Faculty of Intercultural Studies fosters abilities to understand the many issues which face us in our ever increasing "global" society from this intercultural perspective. To this end, the Faculty's interdisciplinary curriculum is carefully designed to help students develop both international understanding and intercultural communication skills through small-group instruction, a range of language programs, active international exchanges, and advanced information processing education.

## Graduate School of Intercultural Studies

The Graduate School of Intercultural Studies is committed to not only cultivating the advanced field of cultural studies with the aim of promoting intercultural harmony, but also to constructing new paradigms for understanding human culture. The Graduate School has been organized into two main departments. The Department of Cultural Interaction fosters interdisciplinary studies of intercultural relations based on the study of regional cultures, while the Department of Culture and Globalization conducts a broad range of research into languages and cultures in the context of accelerating globalization.

### Message from Faculty

YAMAMOTO Shinya  
Associate Professor  
Psychology, Primatology,  
Comparative Cognitive Science



I love traveling. When I was a student, I used to backpack all over Asia and the Middle East. So far I've visited about 30 countries including some South American and African countries, where I could sense dramatic cultural differences. These experiences are the basis for my investigations into what it means to be human, seen from the viewpoints of comparative cognitive science focused on human and non-human animals such as chimpanzees and bonobos. Here in our school, you can find a variety of researchers benefitting from broad perspective. Enjoy yourself and study hard, and you too will find yourself with a cosmopolitan outlook.

### Student's Voice

Shannon Louise Whiley  
International Student  
Australia



I am studying as an exchange student from the University of Queensland. The faculty of international studies offers a huge range of subjects related to my home university major (Asian Studies), in both English and Japanese. The classes themselves are challenging and thought-provoking, and the small class sizes create a warm environment with a greater focus on individual students. Students and staff diversity has also given me a greater understanding of issues by introducing me to a variety of perspectives. I'm certain these classes will aid me in my future career. Studying here has been an exciting and invaluable experience that I will never forget.



## At a Glance

664  
Undergraduates enrolled

188  
Graduates enrolled

153  
International students enrolled

69  
Faculty members



### Undergraduate Program

Department	Divisions
Intercultural Studies	Human Communication and Information Science
	Contemporary Culture and Society
	Intercultural Communication Studies
	Area Studies

### Master's Program (Two-year Program)

Departments	Divisions
Cultural Interaction	Area Studies
	Intercultural Communication
Culture and Globalization	Contemporary Culture and Society
	Human Communication and Information Science
	Second Language Education

### Doctoral Program (Three-year Program after the Master's Degree Program)

Departments	Divisions
Cultural Interaction	Area Studies
	Intercultural Communication
Culture and Globalization	Contemporary Culture and Society
	Human Communication and Information Science
	Second Language Education
	Advanced Communication (Joint Research Group)

### Courses Offered in English (AY2014)

	Courses
Undergraduate	Aspects of EU Culture and Society (Lecture)
	Aspects of EU Culture and Society (Seminar)
	Cultures and Societies in Japan I, II, III, IV (Global Specialized Education)
	Studies in African Societies and Cultures
	Media Studies (Global Specialized Education)
	Basic Seminar for Intercultural Communication I, II, III, IV (Global Specialized Education)
	Basic Seminar
Master's Program	Academic Communication (English)
	Seminar in Contents in Second Language Education
	Seminar in Systems of Second Language Education
	Research Guidance Seminar I, II, III, IV
	Linguistic Science
	Second Language Pragmatics
Doctoral Program	Advanced Seminar in Second Language Pragmatics



## Information

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<http://web.cla.kobe-u.ac.jp>

# Human Development /Human Development and Environment

What does human development mean? It means discovering and extending the various abilities that a human or a group potentially possesses to achieve the well-being of each and every person. Established in 1992, the Faculty of Human Development has assumed the long tradition of the Faculty of Education. It was the first Faculty in Japan launched to conduct education and research on issues concerning human development. To promote this research, the Graduate School of Human Sciences was reorganized in 2007 and the Graduate School of Human Development and Environment was established. With over one hundred faculty members, the Faculty and the Graduate School is a pioneering academic community pursuing the free exchange of various scholarly knowledge.

## Undergraduate Program

The Faculty consists of four departments and one across division: the Department of Human Development and Education for the comprehensive study of human development from the perspective of lifelong education; the Department of Human Behavior for researching human development from the aspect of body, health, action and behavior; the Department of Human Expression which hopes to unravel human behavior by studying expressions; the Department of Human Environmental Science for creating and sustaining a new environment to support human development; and the Division of Support for

Human and Community Development for conducting action research where research and education take place in the field.

There are approximately 1,200 students enrolled in the Faculty of Human Development. A bachelor's degree will be awarded after four years of study and approval of the diploma thesis. The characteristics of the Faculty are: a) a curriculum that helps students acquire the ability to understand issues comprehensively, b) small-group education that encourages discussion, and c) an educational program that gives students the ability to solve practical issues.

## Graduate Programs

The Graduate School of Human Development and Environment consists of two departments: the Department of Human Development which consists of Psychological Development and Health Promotion, Human Expression, Human Behavior, Education and Learning; and the Department of Human Environmental Science which consists of Natural Environmental Science, Mathematics and Informatics, Living Environment, and Social Environment.

There are approximately 200 students enrolled in the master's program and 70 students in the doctoral program. The master's program is a two-year program, and the master's degree is awarded after the course work is completed and the thesis has

## Message from Faculty

TSUDA Eiji  
Associate Professor  
Community Education and Disability Studies



Communities must work together to deal with disability issues. With this philosophy in mind, we are studying how to build community awareness and get more people involved in seriously addressing such issues. From this perspective, our action research is concerned with the essence of human life such as human relationships, abilities and family functions. Cultural settings affect how communities deal with disability issues. To better understand this, we have been conducting collaborative research with universities and institutions in Korea to realize an East Asian style of inclusive society, as well as action research in local community in Kobe.

## Student's Voice

Jonathan Nilas Puntervold  
International Student  
Denmark



I'm an exchange student at the Faculty of Human Development. I study linguistics, specifically the grammatical makeup of Japanese copulas and adjectives. This faculty is a very interesting, dare I say unconventional blend of researchers and students with a great divergence of interests and fields, which makes for a fine research environment. Research, linguistics in particular, has an unfortunate tendency to sometimes get caught up in field-specific terms and methodologies, but the diverse nature of this faculty helps you look at the issues from different perspectives. Also, I might add that the views at night are nothing less than spectacular.



## At a Glance

1,237

Undergraduates enrolled

280

Graduates enrolled

71

International students enrolled

103

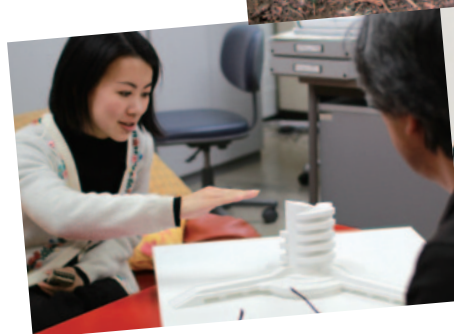
Faculty members



been approved. The doctoral program continues after the master's program for three-years, and the doctoral degree is awarded after successfully defending one's dissertation. The defining characteristic of the Graduate School is to acquire an advanced academic ability to build up an identity in one's specialty by capturing multifaceted, comparative phenomenon. The Graduate School offers an advanced research environment where students take the initiative in pursuing fundamental, applied and practical education, activities to foster eminent professors and researchers, and the Overseas Study Tour to conduct practical education and research.

## International Academic Exchange: Academic Exchange Weeks

The Graduate School holds Academic Exchange Weeks every fall. Many researchers are invited from overseas, and a series of research meetings are held during this period. Not only faculty members but also graduate and undergraduate students take an active role in the events. It is a great opportunity for participants to discuss problems beyond their field of research.



## Undergraduate Program

Departments	Divisions
Human Development and Education	Developmental Psychology
	Child Development
	Science of Education
	Elementary Education
Human Behavior	Health Promotion and Education
	Behavioral Development
	Sport Sciences
Human Expression	Human Expression
Human Environmental Science	Natural Environmental Science
	Mathematics and Informatics
	Living Environment
	Social Environment
(Across Division)	Support for Human and Community Development

## Research Areas Covered by the Graduate School

Departments	Divisions
Human Development	Psychological Development and Health Promotion
	Human Expression
	Human Behavior
	Education and Learning
Human Environmental Science	Natural Environmental Science
	Mathematics and Informatics
	Living Environment
	Social Environment
	Advanced Human Environmental Science
	(Adjunct) (Doctoral program only)

## Courses Offered in English (AY2014)

	Courses
Undergraduate	Cross Cultural Understanding
Master's Program	Studies on ESD

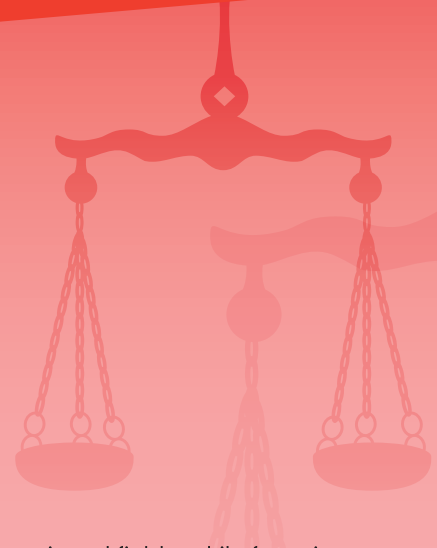
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# Law



## The Faculty of Law

The Faculty of Law aims at providing its students a wide-ranging culture combined with specialized knowledge in law and political science, through a systematic curriculum, and in an environment that is both open and internationally minded. We provide a comprehensive education to students who are planning to enter the legal profession, or become public administrators, diplomats, or specialists in the private sector.

## The Graduate School of Law

The Department of Legal Studies and the Department of Political Science endeavor to provide students with the forefront of academic knowledge in the areas of law, political science, international relations, and political and diplomatic history through its systematic and in-depth curriculum. In so doing, we intend to develop future

scholars in the aforementioned fields, while fostering a culture in which professionals trained in these departments will possess complex problem-solving skills necessary to maintaining a competitive edge in society. Moreover, we also strive to provide continuing education to those with work experience and current legal professionals who face new challenges on a daily basis in this rapidly changing society.

The Department of Professional Legal Education (Kobe University Law School) aims to develop knowledgeable and skillful lawyers for the future by providing students with a carefully systematized curriculum for advanced legal expertise. In recent years, Kobe University Law School has been attaining one of the highest bar exam success rates in Japan: On the basis of the bar exam record from 2006 to 2011, Kobe University Law School ranked fifth out of all 74 Law Schools in Japan.

## Message from Faculty

MAEDA Takeshi  
Associate Professor  
Intellectual Property Law



Intellectual property (IP) law grants the right to control intangible assets such as inventions, literary works and trademarks. Recent developments concerning new technology and rapid changes in society have upset the balance between IP owners and users, requiring that we develop new and appropriate rules for IP. To meet this demand, my research is aimed at providing a better understanding of the mechanism of the IP system and elucidating whose interests are truly relevant. This is a hard but rewarding task which requires a wide range of perspectives and knowledge.

## Student's Voice

Mariya Byvakina  
International Student  
Russia



I entered Kobe University's Graduate School of Law as a research student in April 2014. I have found it a very friendly and comfortable atmosphere for study and research. There are many interesting classes and brilliant lecturers on the faculty and you can find any book you need in the Library for Social Sciences. From campus you can enjoy one of the most beautiful views of Kobe and Osaka Bay. Kobe is an easy city to live in. So if you choose Kobe University's Graduate School of Law you'll receive an excellent education in an inspiring atmosphere.



*At a Glance*

856  
Undergraduates enrolled

325  
Graduates enrolled

76  
International students enrolled

65  
Faculty members



## Undergraduate Program

Department	Divisions
Law (includes politics)	Theory and History of Law
	Sociology of Law
	Public Law
	Criminal Law
	Civil Law
	Commercial Law
	Social Law
	International Law
	International Relations
	Political Theory
	Political Process



## Professional Degree Program

Department	Divisions
Professional Legal Studies	Professional Transaction Law
	Professional Public Law
	Advanced Legal Areas

## Doctoral Program

Departments	Divisions
Academic Legal Studies	Academic Transaction Law
	Academic Public Law
	Theory and History of Law
	Political Theory
Political Science	International Policy Analysis
	Analysis of Contemporary Politics



## Courses Offered in English (AY2014)

	Courses
Undergraduate	Academic Writing
	Model Diplomatic Communications
	EU-Japan Comparative Seminar I, II
	Aspects of EU Law and Politics (Lecture)
	Public law in France and in the United States. A Comparative Analysis
	Global Arbitration Practice I, II (Global Specialized Education)
	European Private International Law I, II (Global Specialized Education)
	Global Comparative Law III, IV (Global Specialized Education)
	Japanese Legal System I, II (Global Specialized Education)
	Global Politics IV, VI (Global Specialized Education)
	International Relations Theory
	Model United Nations
	Aspects of EU Law and Politics (Seminar)
	Social Policies in the EU
Master's Program	Special Lectures on Modern Political Analysis I
	Academic Writing
	Model Diplomatic Communications
	Special Lectures on International Relations
	Special Lectures on Global Politics IV, VI
	International Relations Theory
	Model United Nations
Doctoral Program	Special Lectures on Aspects of EU Law and Politics
	Special Lectures on International Relations
Professional Legal Studies	Asian Law A



*Information*

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# Economics

The Faculty of Economics, Kobe University, was founded in 1902 and is the second oldest faculty of economics among national universities in Japan. The Graduate School of Economics was founded in 1953 and since then has produced a significant number of outstanding graduates, thus acquiring a prestigious position in education and research in economics in Japan. The faculty has more than 50 professors specializing in numerous research areas. Over time the faculty has expanded its international collaboration with overseas universities. Currently, it offers double degree programs with several European and Asian universities.

## Undergraduate Program

The undergraduate program consists of core courses and various specialized courses in economics as well as courses in the liberal arts. Also, several special programs are offered: (1) the Advanced Course for students who plan to later acquire graduate degrees; (2) the EU Institute in Japan, Kansai, supported by the European Commission, providing

EU related lectures; (3) the Education for Sustainable Development program tackling environmental issues from an action research perspective; and (4) the Econo-Legal Study program dealing with issues that concern both economists and lawyers.

## Graduate Program

The graduate program consists of numerous lectures, tutorials, and workshops. They provide a great opportunity for research and welcome international students and researchers. We offer several programs: (1) The five-year doctoral program aimed at training researchers; (2) The International Master's program taught in English and aimed at training professionals, some continuing onto the doctoral level; (3) The General Research Master's program for students who want to study specific issues deeply; (4) The Skill-Up Master's program which aims to train students in advanced empirical analysis; and (5) The Recurrent Master's program for professionals who want to improve their level of expertise.

### Message from Faculty

YASUI Daishin  
Associate Professor  
Theoretical Analysis



My research concerns theories of economic growth, and I am particularly interested in how economic growth affects population dynamics. The Japanese population is projected to decline in the future since Japan is a nation with sub-replacement fertility. To sustain the current pension system and labor force, preventing a decline in the number of children and maintaining a stable population are vital policy issues. Economics is a study about choices made by individuals. How many children you'll have is an individual choice. Therefore, the study of economics has a significant role to play when considering countermeasures to the falling birth rate.

### Student's Voice

Thomas Veraart  
International Student  
Belgium



I have only been studying at Kobe University for a couple of months, but the amount of knowledge that I have acquired in such a short time is amazing. I was able to do this thanks to high quality lectures given by great professors who are always happy to give you advice or answer any of your questions. In addition, friendly classmates and staff who are always there to help have made my life in Kobe a very enjoyable one. Kobe University truly is a great place to study.



## At a Glance

1,260

Undergraduates enrolled

294

Graduates enrolled

152

International students enrolled

49

Faculty members



### Undergraduate Program

Department	Divisions
Economics	Theoretical Analysis
	Historical Analysis
	Statistics and Econometric Analysis
	Technological and Environmental Analysis
	Industrial and Social Policy
	Monetary and Public Policy
	International Economic Policy
	Comparative Economic Policy

### Doctoral Program (three years) and Master's Program (two years)

Department	Divisions
Economics	Theoretical Analysis
	Historical Analysis
	Statistics and Econometric Analysis
	Technological and Environmental Analysis
	Industrial and Social Policy
	Monetary and Public Policy
	International Economic Policy
	Comparative Economic Policy

### Courses Offered in English (AY2014)

	Courses
Undergraduate	American Economy
	Intermediate Microeconomics
	Special Seminar (IFEEK) III
	IFEEK: Academic Reading and Listening Skills (Basics for studying abroad successfully)
	IFEEK Academic Writing
	IFEEK Academic Writing 3
	TOEFL Seminar
	Comparative Economy
	Aspects of EU Economies (Lecture)
	EU-Japan Comparative Seminar I
	American Society and Economy in the 1950s
	Advanced Monetary Policy in Theory and Practice
	Intermediate Macroeconomics
	Special Seminar (IFEEK) II
	Communicating in English: Academic Presentations, Debating, and Speeches (IFEEK)
	IFEEK Academic Writing 2
	American Society and Economy in the Cold War Era
	Japanese Economy
	Aspects of EU Economies (Seminar)
	Eu-Japan Comparative Seminar II
Graduate Program	Labor Economics
	Comparative Economic History
	Econometrics
	Monetary Policy in Theory and Practice
	Macroeconomics I
	Finance
	International Trade
	Microeconomics II
	Comparative Economic Seminar
	English Composition



## Information

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# Business Administration

Kobe University was the first university in Japan to have a School with the name "Business Administration." The School is proud to be the birthplace of business administration studies in Japan, and enjoys an excellent reputation among both the business and academic communities.

## Undergraduate Program

The undergraduate curriculum consists of three areas: management, accounting, and commerce. The educational goal is to cultivate young leaders for business and professional societies by equipping them with practical knowledge based upon a strong foundation in the social sciences.

## Ph.D. Program

Kobe University has one of the most respected graduate schools of business administration in Japan. In their first two years at the graduate school, with the goal of developing the core research skills necessary for the final three years of

the program, each student, under the supervision of their advisor, selects coursework from nine core courses and three research methodology courses. In the following three years, students concentrate on writing a Ph.D. thesis all the while keeping in close discussion with their Ph.D. dissertation committee members.

## MBA Program

In 1989, the School established an MBA program for practicing managers and professionals in response to the needs of the professional community. The School has developed a unique pedagogy of Research-Based Education. Under this method, students who share similar interests in resolving contemporary business problems form a project team, develop and refine a research theme, and develop a resolution through theoretical modeling as well as by conducting field research. The MBA program has been accredited and rated Excellent by ABEST21.

### Message from Faculty

KUTSUNA Kenji  
Professor  
Entrepreneurial Finance, Small Business Finance,  
Entrepreneurship, Venture Capital, IPOs.



Most growth-oriented startups get their funding from venture capital firms. The goal of the venture capital firm is to spur investee firm's growth and recover their investment as quick as possible through the initial public offerings (IPO) or mergers and acquisitions (M&A). American and Japanese venture capital firms, however, have different characteristics: in the U.S. most of them are independent whereas in Japan they are usually captive (e.g. bank-affiliated). My research focuses on how these characteristics affect the entrepreneurs of Japan in raising available funds. Other areas of research include bank lending to small businesses, venture capital investment and IPO pricing.

### Student's Voice

Derevianko Maksym  
International Student  
Ukraine



Kobe University's School of Business is the kind of place where you can build a solid base to make your dreams become reality. With world-class educators and a vast information base – you are diving into the right stream here. For the graduate school, choose the classical program or the experimental SESAMI—or combine them if you dare! The spectacular campus with its unique atmosphere and fresh mountain air will keep you inspired, and the international support team is kind and helpful. Well, let's be honest, the level here is high but that's okay because you'll be inspired, and it'll definitely pay off. Have fun!



*At a Glance*

1,230

Undergraduates enrolled

401

Graduates enrolled

108

International students enrolled

60

Faculty members



## Undergraduate Program

Department	Divisions	
Business Administration	Management Strategy	Auditing
	Organizational Behavior	Management Accounting
	Human Resource Management	Cost Accounting
	Corporate Finance	International Accounting
	Technology Management	Social and Environmental Accounting
	Business and Government Relations	CSR
	Science Decision	Marketing
	Game Theory	Distribution System
	Management Science	Transport Economics and Policy
	International Management	International Transportation and Logistics
	Strategic Management	International Trade
	Operations Management	Financial System
	Bookkeeping	Banking and Finance
	Financial Accounting	Stock Market
	Tax Accounting	Risk Management and Insurance

## Ph.D. Program

Departments	Divisions	
Management	Management Strategy	Business and Government Relations
	Organizational Behavior	Science Decision
	Human Resource Management	Game Theory
	Management	Management Science
	Corporate Finance	International Management
	Technology Management	Comparative Business System
Accounting	Accounting History	Management Accounting
	Financial Accounting	Cost Accounting
	Tax Accounting	International Accounting
	Auditing	Social and Environmental Accounting
	Marketing	International Trade
	Distribution System	Banking and Finance
Commerce	Macro Marketing	Financial System
	Transport Economics and Policy	Stock Market
	International Transportation and Logistics	Insurance

## MBA Program

Pedagogy	Categories
Research-Based Education	Course Work
	Group Projects
	Dissertation Research

## Courses Offered in English (AY2014)

	Subjects
SESAMI Program	Business Economics
	Research Topics in Sustainability Alliance Management
	Introduction to Advanced Management Research
	Statistics
	Introduction to Financial Accounting
	Introduction to Finance
	Marketing Management
	Introduction to Entrepreneurship
	Venture Capital and Private Equity
	Organizational Behavior / Human Resource Management
	Corporate Finance
	Entrepreneurial Finance
	Sustainability Accounting and Reporting
	Economics of Public Sector and Network Industries
	Strategic Management
	Service Management and Servicizing
	Global Entrepreneurship
	Intellectual Capital
	Advanced Entrepreneurship
	M&A and Corporate Restructuring
	Corporate Entrepreneurship
	Research Methodology in Management
	Global Supply Chain Management
	Advanced Supply Chain Management
	Econometrics
	Advanced International Business
	Sustainability Management
	Research Topics in Strategic Entrepreneurship
	Environmental Economics and Management
Undergraduate	Operations Strategy
	Business Communication I
	Academic Reading and Writing for Business I
	Global Communication
	Taught in English
	Business Communication II
	International Business Law I
Graduate	Academic Reading and Writing for Business II
	Financial Management for the Small Business
	Advanced Operations Strategy
	Studies in Market Analysis (Market Equilibrium and Industrial Organization)
	Current Topics of Accounting
	Advanced Supply Chain Management
	Advanced Marketing

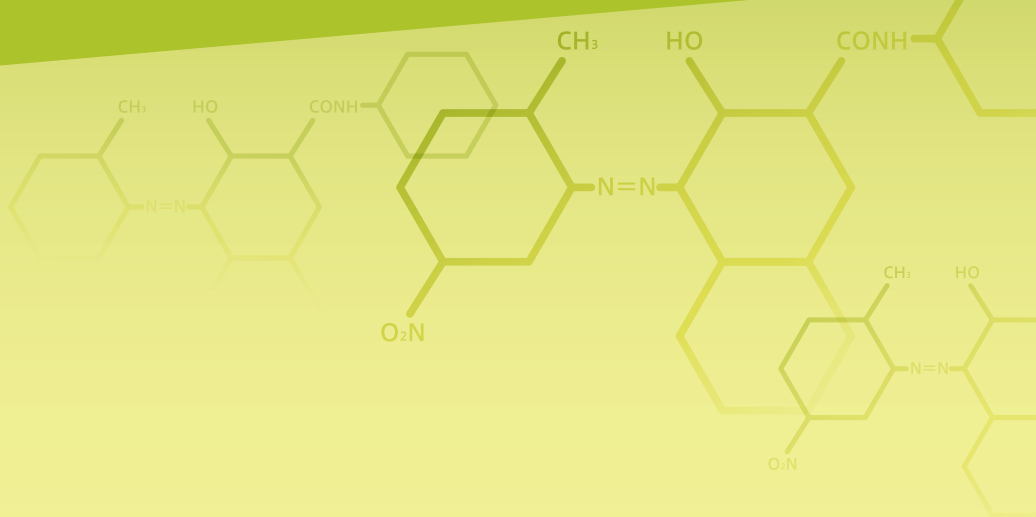


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# Science



## Faculty of Science

The Faculty of Science consists of departments in mathematics, physics, chemistry, biology, and earth and planetary sciences. We conduct education and research on fundamental issues in the field of the natural sciences, and try to foster each student's creative attitude toward research as well as his/her ability to contribute to society. Over 110 teaching staff members provide the education for a full quota of 140 undergraduate students every year.

## Graduate School of Science

The Graduate School of Science offers a 2-year Master's and a 3-year Doctoral program. The School, consisting of departments in mathematics, physics, chemistry, biology, and earth and planetary sciences, currently has 240 students studying for the master's degree, and 90 students studying for the doctoral degree. The doctoral program aims at training future researchers who will work at universities or research institutes. After completing the doctoral program,

students are granted the degree of Doctor of Science or Doctor of Philosophy.

The Graduate School of Science collaborates closely with the following research centers: Kobe University Organization of Advanced Science and Technology, Biosignal Research Center, Research Center for Environmental Genomics, Molecular Photoscience Research Center, Research Center for Inland Seas, and Research Center for Urban Safety and Security.

## Center for Planetary Science

The Center for Planetary Science aims to promote cooperation in education and research activities between planetary scientists from different institutions worldwide. It provides an environment for multidisciplinary communities where people can assemble, exchange, and accumulate interdisciplinary knowledge to promote their research in planetary science.

## Message from Faculty

FUKAKI Hidehiro  
Professor  
Plant Developmental Biology



The plant body contains a belowground root system and an aboveground shoot system, which are formed by repeatedly adding the basic unit/organ such as a root, stem, or leaf. My research focuses on understanding the developmental mechanisms of plants which, unlike animals, have indeterminate growth. In particular, we are studying the gene regulatory network that develops the root system using the model plant, *Arabidopsis thaliana*, which is suitable for genetic and molecular biological studies. Our research on plant roots at Kobe University is useful to understanding the molecular mechanisms of plant physiological/morphological responses to developmental and environmental cues.

## Student's Voice

Ubaidah Afiq Bin MD Idros  
International Student  
Malaysia



I am currently studying in the Department of Chemistry, Faculty of Science. I transferred to Kobe University this year from the Nara National College of Technology. At first, I was a little worried because it was my first time entering a university. However, I have since become more independent and feel glad that I am here. The environment at Kobe University is quite conducive to study, which encourages me. And the teachers are very kind and their classes are easy to understand. Above all, I am surely enjoying my life here and I look forward to continuing my studies at Kobe University.



*At a Glance*

694

Undergraduates enrolled

345

Graduates enrolled

29

International students enrolled

89

Faculty members



## Undergraduate Program

Departments	Divisions
Mathematics	Analysis Algebra and Geometry Applied Mathematics
Physics	Theoretical Physics Particle Physics Condensed Matter Physics
Chemistry	Physical Chemistry Inorganic Chemistry Organic Chemistry
Biology	Biomolecular Organization Biosignal Transduction Biodiversity
Earth and Planetary Sciences	Fundamental Planetology Frontier Planetology



## Doctoral Program (Three-year Program) and Master's Program (Two-year Program)

Departments	Divisions
Mathematics	Analysis Algebra and Geometry Applied Mathematics
Physics	Theoretical Physics Particle Physics Condensed Matter Physics
Chemistry	Physical Chemistry Inorganic Chemistry Organic Chemistry Materials Structure Science Theoretical Biochemistry
Biology	Biomolecular Organization Biosignal Transduction Biodiversity Developmental Biology Molecular Pharmacology
Earth and Planetary Sciences	Fundamental Planetology Frontier Planetology Evolutionary History of the Planets and the Earth Atmosphere-Ocean Environment Sciences



## Courses Offered in English (AY2014)

	Courses	Ref.
Undergraduate	Interplay between differential equations, integrable systems, and algebraic geometry	Summer School
	Introduction to Natural Sciences, I (Mathematics, Physics, Earth and Planetary Sciences)	Summer School
	Introduction to Natural Sciences, II (Biology and Chemistry)	Summer School
Master's Program	A mathematical theory of quantum curves: what they are, and what they do	Summer School
	Advanced Science and Technology I-1	Summer School
	Geometric aspects of mathematics	Summer School
	Advanced Science and Technology I-2	Summer School
	Introduction to Particle Physics and Neutrino Physics	Summer School
	Advanced Science and Technology I-3	Summer School
	Complex molecular systems assembled by intermolecular interactions	Summer School
	Advanced Science and Technology I-4	Summer School
	Principles of animal development	Summer School
	English for Science (M)	Mathematics
	English for Science (P)	Physics
	English for Science (C)	Chemistry
	English for Science (B)	Biology
	English for Science (EP)	Earth and Planetary Sciences
	Advanced Science and Technology II-1	Summer School
	Geometric aspects of mathematics	Summer School
Doctoral Program	A mathematical theory of quantum curves: what they are, and what they do	Summer School
	Advanced Science and Technology II-2	Summer School
	Introduction to Particle Physics and Neutrino Physics	Summer School
	Advanced Science and Technology II-3	Summer School
	Complex molecular systems assembled by intermolecular interactions	Summer School
	Advanced Science and Technology II-4	Summer School
	Principles of animal development	Summer School
	English for Science (B)	Biology

The Department of Earth and Planetary Sciences will be reorganized as the Department of Planetology beginning in AY2015.



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# Medicine

## School of Medicine

The School of Medicine consists of the Faculty of Medicine and the Faculty of Health Sciences.

The Kusunoki Campus-based Faculty of Medicine emerged from the re-organization of the Prefectural Technical College of Medicine established in 1944, which subsequently became the Hyogo Prefectural College of Medicine (1946), and the Kobe Prefectural College of Medicine (1952). It provides students with opportunities to acquire knowledge of medical ethics as well as basic clinical and medical techniques, while encouraging them to be competent, conscientious medical doctors.

The Myodani Campus-based Faculty of Health Sciences was born from the School of Nursing attached to the Hyogo Prefectural College of Medicine, which was originally established in 1959. The Department has 4 major courses: Nursing, Medical Technology, Physical Therapy and Occupational Therapy.

## Graduate School of Medicine

The Graduate School of Medicine aims to drive advanced and creative interdisciplinary research and train the future leaders of biomedical sciences, clinical medicine, and medical administration. It focuses on training specialists who can identify the cause of medical problems out of complex factors and

manage them for the health and welfare of humanity.

The Department of Biomedical Sciences offers an opportunity for students who have majored in various fields other than medicine, dentistry, or veterinary medicine to acquire the core aspects of genome science and its applications. Ultimately such individuals will become researchers or teachers who will contribute to yet further advancement in these fields. It is also expected that our graduates of the program will become leaders in biosciences, environmental studies, medicine, pharmacology and related fields.

## Center for Infectious Diseases (CID)

Kobe University Graduate School of Medicine established the Center for Infectious Diseases (CID) in April 2009 by reorganizing the International Center for Medical Research and Treatment (ICMRT). CID is a comprehensive hub for the research and education of infectious diseases, dealing with both basic biomedical science and clinical science at the molecular, cellular, individual and global levels. The infectious diseases being studied here include viral hepatitis, influenza, herpes virus infection, and salmonellosis.

Also, the project "Identification of anti-hepatitis C virus (HCV) substances and development of HCV and dengue vaccines" was carried out in collaboration with the University of Indonesia and

### Message from Faculty

IJIMA Kazumoto  
Professor  
Pediatrics



Idiopathic nephrotic syndrome is the most common primary glomerular disease in children. Ten to twenty percent of children with idiopathic nephrotic syndrome have so-called complicated frequent relapsing nephrotic syndrome (FRNS)/steroid dependent nephrotic syndrome (SDNS) showing frequent relapses or steroid dependency while on immunosuppressants. New treatments that do not involve steroids or immunosuppressive agents for these conditions are urgently needed. Rituximab is a mouse-human chimaeric monoclonal antibody that binds to the CD20 antigen expressed on B cells. We conducted the world's first, multicenter, double-blind, randomised, placebo-controlled trial of rituximab for children with complicated FRNS/SDNS and determined that rituximab is effective and safe for children with these conditions (Lancet. 2014 Jun 20. [Epub ahead of print]).

### Student's Voice



Nur Imma Fatimah Harahap  
International Student  
Indonesia

It is a great opportunity to be able to pursue a higher education level in the doctoral program of the Graduate School of Medicine at Kobe University. As a second year student, I am experiencing many important things. In my research, I am learning new prospective treatments for genetic patients under the guidance of my kind supervisor and supportive lab members. Collaborating with Japanese colleagues allows me to learn values of life and humanity. Off campus, I also enjoy gaining knowledge of Japanese traditional culture. Combining all these learnings has made my life in Kobe a wonderful experience.



*At a Glance*

685  
Undergraduates enrolled

498  
Graduates enrolled

51  
International students enrolled

224  
Faculty members



Airlangga University, Indonesia from February 2010 until February 2014 under the auspices of the Japan International Cooperation Agency (JICA) and Japan Science and Technology Agency (JST).

## Center for Advancement of Community Medicine

Established in 2014, the Center for Advancement of Community Medicine (CACM) aims to train health-care professionals who can provide regional medical services within Hyogo Prefecture. Through collaboration with Hyogo Prefecture, the Center offers coherent educational training to medical doctors and staff members before and after graduating from the Kobe University School of Medicine.

The Center also collaborates closely with the Hyogo Regional Medical Support Center (HRMSC), which has its office adjacent to the CACM. For health-care specialists and prospective specialists receiving scholarships from Hyogo Prefecture (students and graduates of not only Kobe University but also related universities), both centers work together to provide support for research, education and careers in regional medical services within Hyogo Prefecture, including remote area hospitals. The goal for both centers is to improve the uneven distribution of health-care specialists within Hyogo Prefecture.



### Undergraduate Program

Department	Division
Medicine	*Lectures are given by faculty members of the Graduate School.

### Master's Program (Two-year Program)

Department	Divisions*
Biomedical Sciences	Physiology and Cell Biology
	Biochemistry and Molecular Biology
	Pathology
	Microbiology and Infectious Diseases
	Social/Community Medicine and Health Science

\*Each Division consists of 4 to 12 Research Areas

### Doctoral Program (Four-year Program)

Department	Divisions*
Medical Sciences	Physiology and Cell Biology
	Biochemistry and Molecular Biology
	Pathology
	Microbiology and Infectious Diseases
	Social/Community Medicine and Health Science
	Internal Medicine
	Internal Related
	Surgery
	Surgery Related

\*Each Division consists of 4 to 12 Research Areas

### Courses Offered in English (AY2014)

	Subjects
Graduate	Trends Series
	Special Course on Global Medical Science

*Information*

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# Health Sciences



Health problems for societies in the 21st century have changed dramatically against the backdrop of dwindling birthrate in developed countries, aging population, changing lifestyle habit, and the coming of globalization. The role health sciences play in solving these problems is becoming ever greater. Social demands for graduate schools to foster advanced healthcare specialists, educators, researchers, and R&D are ever increasing.

Reflecting these needs, the former Department of Health Sciences of the Graduate School of Medicine was reorganized into the Graduate School of Health Sciences in April 2008.

With well-rounded education, rich human qualities and morality as its common base, the newly established Graduate School aims to train the following:

- (1) researchers with the originality and creativity to establish total health care,
- (2) advanced healthcare specialists with abundant clinical experience, a research-focused outlook, leadership and management ability,
- (3) university teaching staff competent in clinical practice, research and training, and
- (4) advanced healthcare specialists with the communication ability and multi-cultural understanding to promote international healthcare.

For those ultimately wishing to undertake the Doctoral degree, we regard our 2-year Master's Program and 3-year Doctoral Program as one consecutive course.

## International Course for Health Sciences (ICHS)

We also offer an International Course for Health Sciences (ICHS) which allows students to complete their Master's and Doctoral Programs by taking classes offered in English.

### Message from Faculty

GREINER Chieko  
Professor  
Gerontological Nursing, Home Nursing



The philosophy of the Department of Nursing is to contribute to the development of nursing science by producing high-evidence-level nursing research incorporating interdisciplinary and scientific perspectives. In Japan, with its aging population, constructing a sustainable elderly care system is an important issue. It is a common challenge in a wide range of countries; therefore, I have been conducting international comparative research with Thai and Swedish co-researchers on elderly care at acute hospitals and in the community, including dementia care, for which I have also been conducting clinic-based research. We welcome collaboration with international students and scholars, and expect together to develop proficiency in promoting human health and quality of life.



Saad Al-Nassan  
International Student  
The Hashemite Kingdom of Jordan



### Student's Voice

I came to Kobe in 2009 as a research student at Kobe University, and now I'm about to finish my PhD in the Graduate School of Health Science. Kobe University is not only the best place if you want to be a member of a state-of-the-art research team, but it will also provide you with unlimited support to overcome any difficulties you might face as an international student in Japan. I will never forget the wonderful city of Kobe and its inspiring location between the sea and mountains, where you can enjoy the beautiful scenery and play so many sports.



*At a Glance*

682  
Undergraduates enrolled

247  
Graduates enrolled

5  
International students enrolled

76  
Faculty members



## Undergraduate Program

Faculty	Departments	Divisions
Health Sciences	Nursing	Basic Nursing
		Clinical Nursing
		Maternal Nursing and Midwifery
		Community Nursing
	Medical Technology	Basic Medical Technology
		Applied Medical Technology
	Physical Therapy	Basic Physical Therapy
		Applied Physical Therapy
	Occupational Therapy	Basic Occupational Therapy
		Applied Occupational Therapy
	Basic Allied Medicine	

## Master's Program (Two-year Program)

Department	Divisions*
Health Sciences	Nursing
	Biophysics
	Rehabilitation Science
	Community Health Science
	International Health

\*Each department consists of 2 to 4 Areas.

## Doctoral Program (Three-year Program)

Department	Divisions*
Health Sciences	Nursing
	Biophysics
	Rehabilitation Science
	Community Health Science
	International Health

\*Each division consists of 2 to 4 Areas.

## Courses Offered in English (AY2014)

### Master's Program

Division	Courses
All Division	Specialized lectures, molecular biology I
	Specialized lectures, biosciences series I
	International Health Communication Special Lecture I
	Specialized lectures, interprofessional work (IPW) I
	International Practices Special Lecture I
	International Practices Fieldwork I
Nursing	Transcultural Family Health Care Nursing
	Special Lecture on Family Health Care Nursing I
Biophysics	Pathophysiological Analysis, Special Research I
	Advanced lectures in lifestyle related diseases I
	Advanced practice in lifestyle related diseases I
	Advanced Lecture on Human Anatomy and Physiology I
Rehabilitation Science	Research in rehabilitation science for motor dysfunction I
	Occupational Disability Analysis, Complementary Studies Research I
	Neurological Rehabilitation Research I
	Psychiatry Rehabilitation Research I
	Rehabilitation Sciences Research Methodology Special Lecture I
	Rehabilitation Sciences Research Methodology Seminar I
	Community Practical Activities Special Seminar I
	Research I on Community Health Sciences
Community Health Science International Health	Infectious Diseases Special Lecture I
	Bacteriology Seminar I
	Parasitology Seminar I
	Virology Seminar I
	Infectious Diseases Control Research I
	International Health and Disaster Medicine Special Lecture I
	International Health Cooperation Special Lecture I
	International Health Cooperation Support Seminar I
	Disaster Management Special Lecture I
	Disaster Management Seminar I
	Molecular Medicine & Medical Genetics Special Lecture I
	Molecular Medicine & Medical Genetics Seminar I
	Corporate Activities for International Health Research I
	Public Health Special Lecture I
	Public Health Seminar I
	Epidemiology Special Lecture I
	Environmental Health Special Lecture I
	Medical Anthropology Special Lecture I
	Health Issue of International Health Special Lecture I
	Demography I
	International Health and Development Research I
	International Health Preservation Methodology Special Lecture I
	International Health Fieldwork I

### Doctoral Program

Division	Courses
All Division	Advanced Lectures in Molecular Biology Research II
	Specialized lectures, biosciences series II
	Specialized lectures, interprofessional work (IPW) II
	Infectious Disease Special Lecture II
	International Practices Fieldwork II
	Seminar II on Field Work
Nursing	Family Health Care Nursing Special Lecture II
	Pathophysiological Analysis, Special Research II
Biophysics	Advanced lectures in lifestyle related diseases II
	Advanced practice in lifestyle related diseases II
	Rehabilitation Sciences Research Methodology Special Lecture II
Rehabilitation Science	Rehabilitation Sciences Research Methodology Seminar II
	Research in rehabilitation science II
Community Health Science International Health	Community Practical Activities Special Seminar II
	Research II on Community Health Sciences
	Infectious Disease Special Lecture II
	Bacteriology Seminar II
	Parasitology Seminar II
	Virology Seminar II
	International Health Cooperation Special Lecture II
	International Health Cooperation Support Seminar II
	Disaster Management Special Lecture II
	Disaster Management Seminar II
	Community-based Disability Support Seminar II
	Molecular Medicine & Medical Genetics Special Lecture II
	Molecular Medicine & Medical Genetics Seminar II
	Public Health Special Lecture II
	Public Health Seminar II
	Epidemiology Special Lecture II
	Environmental Health Special Lecture II
	Medical Anthropology Special Lecture II
	Practice in Health and Medicine II
	Practice of Infectious Diseases II
	Demography II
	Seminar II on Method for International Preservation of Health
	Special Fieldwork of International Health II
	Seminar II on Field Work
	International Health Sciences, Special Research II



*Information*

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# Engineering

## Faculty of Engineering

The Faculty of Engineering was established in 1949, growing out of the former Kobe Technical College, which was established in 1921. Since then, the Faculty has contributed to the development of modern industrial society in the latter half of the 20th century through its education and research. The aim of the Faculty in the new millennium is to educate future researchers and engineers to be able to contribute to the welfare of humankind through cutting-edge technologies.

The Faculty now has six departments: Architecture, Civil Engineering, Electrical and Electronic Engineering, Mechanical Engineering, Chemical Science and Engineering, and Computer and Systems Engineering, each of which consists of several divisions dedicated to specific purposes of education and research. Approximately two-thirds of students continue on to the Master's Program.

## Graduate School of Engineering

Established in April 2007 as an educational and research institute, the Graduate School of Engineering aims to educate researchers and engineers in fundamental and applied technologies directly related to a symbiosis between humans and nature and sustainable development. Departments in this Graduate School are arranged in a similar way to the Faculty of Engineering in order to offer a consistent educational system

from undergraduate to graduate school.

The Graduate School of Engineering comprises the following five departments in both the Master's and Doctoral Programs: Architecture, Civil Engineering, Electrical and Electronic Engineering, Mechanical Engineering, and Chemical Science and Engineering. By covering a wide range of interdisciplinary academic fields (e.g., environment, nanomaterials, information and telecommunications, life sciences, energy, robotics, and safety), the five departments will create new technologies for the betterment of society.

## Master's Program

The Graduate School of Engineering is committed to training researchers and engineers to become specialists in their field with the ability to utilize interdisciplinary perspectives. As a research university, we also place great importance on producing first-rate researchers and engineers. Students receive a Master of Engineering upon completion of this program.

### Features:

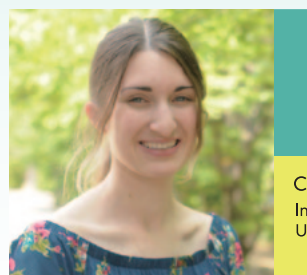
- Highly specialized main courses established through further development and deepening of the undergraduate engineering courses.
- Education with respect to the integration of engineering programs and science programs from four graduate schools:

## Message from Faculty

SATO Ryuta  
Associate Professor  
Mechanical Engineering,  
Precision Engineering, Machine Tool



Mechanical engineering is the science and art for formulating, developing, designing, and controlling systems and components. This area of study embraces heat and fluid dynamics, material science, system design, control and manufacturing. My research team is mainly working on advanced manufacturing systems. Manufacturing plays a key role in improving our modern life by providing us with products featuring the latest technology. We are trying to improve the accuracy, productivity, and energy efficiency of manufacturing systems. We welcome collaboration with foreign universities and industries. We are also seeking enthusiastic international students and scholars to work with us.



Courtney Kathleen Peterson  
International Student  
U.S.A.



I am a second-year master's student of applied chemistry at Kobe University Graduate School of Engineering researching highly sensitive macromolecular imprinted nanoparticles for the detection of CEA, the most widely tested for biomarker of colon cancer. Pursuing a master's degree in Japan after being educated entirely in America has been a unique and rewarding experience. Kobe University has an intellectually rich environment and vivacious international student body where I have met and exchanged ideas with people from all over the world. I am sincerely thankful to everyone here for helping me grow and change into a more culturally aware, knowledgeable, and diverse individual.



*At a Glance*

2,427 881  
Undergraduates enrolled Graduates enrolled

110 140  
International students enrolled Faculty members



Science, Agricultural Science, Maritime Sciences, and System Informatics.

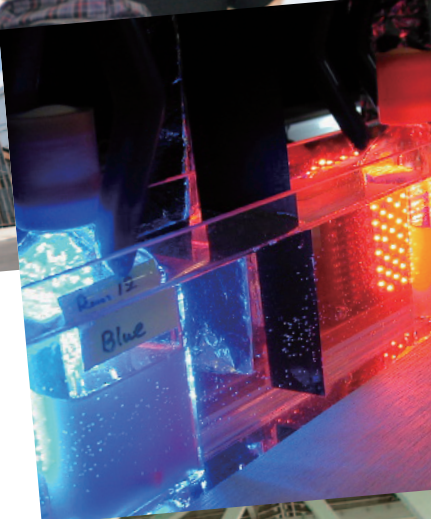
- Fostering of human resources educated through multi-major course (a major and several sub-majors).
- Health, Welfare and Medical Engineering Course

## Doctoral Program

Requiring the completion of more developed and deeper work assignments than in the Master's program, the Doctoral program is designed to foster researchers, academic members of higher education and research institutions, as well as highly specialized professionals who are creative, internationally-minded, and have an excellent ability to identify, explore, and solve problems by themselves. Either a Doctor of Engineering or a PhD will be granted upon completion of the program.

Features:

- A rigorous program of coursework of research for dissertation.
- Finding problems, designing research plans, conducting research, organizing research results, finding possible ways to solve unsolved problems and then organizing and reporting these possibilities.
- Fostering of human resources educated through a multi-major course (a major and several sub-majors).



## Undergraduate Program

Departments	Divisions
Architecture	Spatial Design
	Architectural Planning, History and Theory
	Engineering of Building Structures
	Architectural Environmental Engineering
Civil Engineering	Engineering of Human Safety
	Engineering of Environmental Symbiosis
Electrical and Electronic Engineering	Physical Electronics
	Computer and Information Engineering
Mechanical Engineering	Thermo-Fluid Dynamics
	Mechanics and Physics of Materials
	Design and Manufacturing
Chemical Science and Engineering	Applied Chemistry
	Chemical Engineering
Computer and Systems Engineering	Systems Science
	Information Science
	Computational Science

## Courses Offered in English (AY2014)

	Courses
Master's Program	Advanced Rock Mechanics
	English for Science & Engineering
	Design Engineering of Catalytic Processes

## Master's Program (Two-year Program)

## Doctoral Program (Three-year Program after the Master's Program)

Departments	Divisions	Outline
Architecture	Spatial Design	A study to create a social living space rich in amenity, convenience, and harmony with the environment.
	Architectural Planning, History and Theory	
	Engineering of Building Structures	
	Architectural Environmental Engineering	
Civil Engineering	Engineering of Human Safety	A study to improve the safety of city and urban space, and the promotion of environmental symbiosis.
	Engineering of Environmental Symbiosis	
	Engineering of Environmental Symbiosis	
Electrical and Electronic Engineering	Physical Electronics	A study to develop new technologies to support information society (e.g., electronic material/information devices, and information processing technology).
	Computer and Information Engineering	
Mechanical Engineering	Thermo-Fluid and Energy	A study to apply principles of physics to analysis, design, manufacturing, and maintenance of mechanical systems.
	Mechanics and Physics of Materials	
	Design and Manufacturing	
Chemical Science and Engineering	Applied Chemistry	A study to create functional substances, and the identification of their mechanisms.
	Chemical Engineering	
	Chemical Engineering	A study to create and advance substance production process.

*Information*

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# System Informatics

## Graduate School of System Informatics

The Graduate School of System Informatics (which consists of three departments: Systems Science, Information Science, and Computational Science) was established on April 1, 2010.

System Informatics strives to contribute to the development, processing, and utilization of "system information". What is system information? It is meaningful information that exists within a large-scale, complex "system" based on high-speed, large-capacity computing technology. The term "system" used here does not refer to the so-called information system, but rather to a broad "system" covering a variety of areas, from engineering to nature and society, including people, living organisms, social activities, artificial products, space, and earth.

The Graduate School of System Informatics offers Master's and Doctoral programs in System Science, Information Science, and Computational Science. Students can continue in a consistent program from Master's to the Ph.D. degree. Upon completion of the Master's program, students receive a Master's degree in System Informatics or in Engineering. Those who continue will receive a Doctor of Philosophy, a Doctor of Philosophy in System Informatics, a Doctor of Philosophy in Engineering, or a Doctor of Philosophy in Computational Science. Moreover, students who pursue and complete the

Computational Science Intensive Course are mainly awarded a Doctor of Philosophy in Computational Science.

## Master's Program

The Master's program is geared toward educating highly creative, advanced professionals possessing an interdisciplinary perspective as well as a broad knowledge in each departmental field.

The program provides students with a highly professional education in the student's main department through basic departmental courses and departmental application courses. It also enhances the student's multidisciplinary education by giving students the opportunity to take courses offered by other graduate schools such as Engineering and Science.

### Features:

- Constructing a new academic and educational system beyond the framework of old disciplines
- Constructing an education and research promotion system based on collaboration with other research facilities and universities
- Fostering human resources related to the development of emerging areas and areas of integration based on the utilization of next generation supercomputing technology

## Message from Faculty

MATOBA Osamu  
Professor  
Applied Optics



Optical sensing is a very important tool in biological fields as well as industrial application fields. We have been developing 3D measurement systems based on digital holography, optical coherence tomography, and optical diffusion tomography. We have succeeded in visualizing and reproducing propagating acoustic waves by digital holography as an optical voice recorder. For biological measurement, we have been developing a fabrication method of artificially controlled scattering medium which can be used as a stable phantom. For 3D visualization, we have been developing a holographic 3D display system. These techniques based on information optics and photonics can contribute to life science and engineering.

## Student's Voice

Lee Junho  
International Student  
Republic of Korea



I am a first year master's student in the Graduate School of System Informatics. My research focuses on building home networking systems utilizing Cloud Computing. This is a challenging yet rewarding field as it utilizes leading-edge technology and research that has been conducted throughout the world. Kobe University is a great place to study. I get to see talented seniors give powerful presentations, and I've been able to apply my learning by making a presentation at a research conference. After gaining my master's degree, I plan to pursue my doctorate. Studying abroad is a new challenge and a great opportunity for me to test my limits.



## At a Glance

226  
Graduates enrolled

34  
International students enrolled

43  
Faculty members



## Doctoral Program

The Doctoral program is designed to promote education and research by fostering researchers, faculty members of higher education research facilities and professionals who have advanced independent research skills, high creativity, and an international mindset for identifying, exploring and resolving problems.

The program establishes rigorous courses related to the student's Doctoral thesis. Students are required to give presentations over a length of time in investigational research, problem excavation, research planning, research implementation, research result organization, and methods for solving unresolved issues.

In addition, this program introduces a system of professional courses taught by multiple faculty members as well as cross-graduate school courses. As a result, human resources gain advanced expertise and a wide perspective.

### Features:

- A strict coursework of research for dissertation: finding problems, designing research plans, conducting research, organizing research results, finding possible ways to solve unresolved problem and then organizing and reporting these possibilities
- An education and research promotion system based on collaboration with other research facilities and universities
- Computational Science Intensive Course to aid our students in establishing careers as researchers specialized in computational science, which provides the students with a coherent education from the Master's program through the Doctoral program

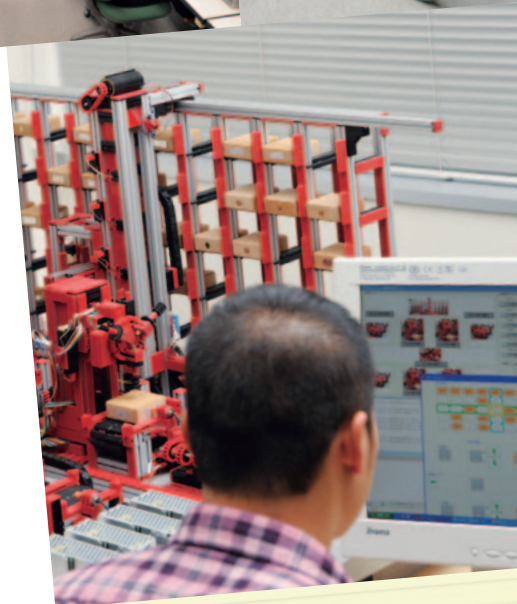
### Master's Program (Two-year Program)

### Doctoral Program (Three-year Program Following the Master's Program)

Departments	Divisions	Outline
Systems Science	Fundamentals of Systems Science	A study to provide a foundation for the analysis and integration of large-scale, complex systems through the development of basic theories and methodologies of system analysis and integration, and the development of problem-solving methodologies based on a systems approach.
	Innovation of Systems Science	
Information Science	Foundation of Information Sciences	A study to contribute to the development, processing, and utilization of system information by developing new application related technologies and methodologies from the theoretical constructs of information and computation, and the constructs of information processing and information media.
	Intelligent Informatics	
Computational Science	Fundamentals of Computational Science	A study to develop methodologies related to the quest for science and technology based on a computational approach and the basic technologies of high-performance computation, taking into consideration utilization of next generation supercomputers.
	Innovation of Computational Science	

### Courses Offered in English (AY2014)

	Courses
Master's Program	Advanced Course on Set Theory



## Information

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# Agriculture /Agricultural Science

The Faculty of Agriculture and the Graduate School of Agricultural Science have the mission to develop students' intellectual foundations and endow students with the skills they need to contribute to a sustainable society that coexists with nature. In the light of these objectives, we impart a wide knowledge on agricultural sciences and conduct research concerning Food, Environment and Health/Life from Farm to Table. Basic and applied research is aimed at the production and utilization of natural and agricultural resources, as well as current issues in biotechnology and environmental conservation. Agricultural Science has a strong potential to find the solutions in these fields, and our students acquire strong abilities to advance technology in agriculture in this rapidly changing society.

The Graduate School of Agricultural Science consists of three departments: the Department of Agricultural Engineering and Socio-Economics, the Department of Bioresource Science, and the Department of Agrobioscience. Each department has two divisions, and a total of six divisions are available to students: Agricultural Engineering, Food and Environmental Economics, Animal Science, Plant Science, Applied Chemistry in Bioscience, and Agroenvironmental Biology. We provide our students with a coherent educational system for the consecutive obtainment of bachelor, master's and doctoral degrees. There are 88 members in the teaching staff, and a combined total of 1,013

undergraduate and graduate students (including 46 international students, as of May 2014). In the Graduate School of Agricultural Science, students can acquire not only advanced knowledge and skills in specialized fields but also develop diverse viewpoints and deep insights into the integrated agricultural science. The faculty members help students become competent researchers with original, creative and compelling abilities; teachers for higher education; and professional leaders possessing specialized knowledge and skills needed for our local and international society.

The Graduate School of Agricultural Science has three affiliated Centers: Food Resources Education and Research Center (experimental farm), Center for Regional Partnership, and Research Center for Food Safety and Security. The Food Resources Education and Research Center is located in Kasai City, 70 km west of the Rokko-dai Campus. This center has a 40 ha field and facilities for the production of rice, vegetables, orchards, grasses and Japanese Black cattle, whose meat is known as the famous Kobe Beef, as well as lodgings for students conducting fieldwork. The Center for Regional Partnership collaborates actively with various local sectors such as Hyogo Prefectural Government and Sasayama City Government. The Research Center for Food Safety and Security conducts research focused on the developing technology for augmenting food safety and traceability. The Graduate School

## Message from Faculty

YOSHIDA Ken-ichi  
Professor  
Applied Microbiology and  
Functional Genomics



Alzheimer's disease is one of the most problematic forms of dementia. A rare stereoisomer of inositol, *scyllo*-inositol, was found to be effective in treating Alzheimer's disease and has received fast-track designation from the United States Food and Drug Administration. On the other hand, another stereoisomer, *myo*-inositol, is abundant in nature and can be supplied cheaply from rice bran. We modified the inositol metabolism in *Bacillus subtilis* and successfully developed a cell factory to enable the efficient bioconversion of *myo*-inositol into *scyllo*-inositol. In the near future, rice bran, which is regarded as agricultural waste, will be utilized to produce a promising therapeutic agent for Alzheimer's disease.

## Student's Voice

Nguyen Hieu Hanh  
International Student  
Vietnam



Kobe University is a well-known and popular university in Vietnam. Since I was very interested in molecular biology, I applied for the master's course at Kobe University. When my life in Japan began, everything was new to me. However, with the kind support of my supervisor and labmates, I could rapidly familiarize myself with the new environment. During my year and a half here, I have experienced a modern learning and research environment. In addition, there are many activities and trips for foreign students to discover Japanese culture. For all these reasons, I highly recommend studying at Kobe University.



## At a Glance

670  
Undergraduates enrolled

343  
Graduates enrolled

46  
International students enrolled

88  
Faculty members



of Agricultural Science also collaborates with other graduate schools such as Engineering and Medicine on areas such as renewable energy, bio-resources and bio-functional products.

The promotion of educational and academic exchanges as well as collaboration with overseas universities is important to the Faculty. Academic agreements have been concluded with many overseas universities and research institutes in Asia, Europe and Africa. Also, in cooperation with the Japan International Cooperation Agency (JICA), we provide young researchers and managing officers working in the fields of agricultural science.

The Faculty of Agriculture originated from Hyogo Prefectural School of Agriculture established in 1949. In 1966 it was integrated to Kobe University. We have conducted our own educational programs and kept on improving the academic environment for students and researchers. We are proud of many current outstanding research projects being carried out by faculty members and students. Since agricultural science is based on nature, and man has learned a lot from nature to establish agricultural technologies in human history, we need to continue learning more from nature when we look toward the future. If you wish to study and do research in our faculty or graduate school, come and join us to develop your career in the fascinating fields of agricultural science.



### Undergraduate Program

Departments	Divisions
Agricultural Engineering and Economics	Agricultural Engineering Food and Environmental Economics
Bioresource Science	Animal Science Plant Science
Agrobioscience	Applied Chemistry in Bioscience Environmental Biology

### Master's Program (Two-year Program)

### Doctoral Program (Three-year Program after the Master's Program)

Departments	Divisions
Agricultural Engineering and Socio-Economics	Agricultural Engineering Food and Environmental Economics
Bioresource Science	Animal Science Plant Science
Agrobioscience	Applied Chemistry in Bioscience Agroenvironmental Biology

### Courses Offered in English (AY2014)

	Subjects
Undergraduate	Lessons for Practical English at UPLB
Master's Degree	Lessons for Practical English in Agrosience at UPLB Food, Environment and Healthy Life in English



## Information

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<http://www.ans.kobe-u.ac.jp/english/index.html>

# Maritime Sciences

## NEXT VOYAGE from Kobe

The Faculty of Maritime Sciences and the Graduate School of Maritime Sciences are located on the Fukae campus. A unique maritime curriculum is offered here.

### Brief History

The predecessor of the Faculty of Maritime Sciences was Kobe University of Mercantile Marine whose origin can be traced back almost 100 years. Kobe University of Mercantile Marine had long contributed to the education of top-level professionals in the maritime industries. With such a long tradition and high reputation it was decided that Kobe University of Mercantile Marine would integrate into Kobe University in 2003. The mission of the Faculty of Maritime Sciences is to foster experts who possess both a comprehensive knowledge of the marine sciences and are able to use this knowledge to contribute to the field of global transportation and logistics.

### Faculty of Maritime Sciences

In April 2013, the Faculty of Maritime Sciences embarked on a new chapter with restructured departments in response to the university's globalization goals. The Department of Global

Transportation Sciences provides students with the education necessary to be marine logistics engineers and management specialists in international logistics and transportation. The Department of Ocean Safety Systems Science trains specialists in marine safety and marine environments who can contribute to the establishment of safe and secure social environments. The Department of Marine Engineering educates students to become engineers who can undertake advanced work in specialized areas as well as marine engineers for large vessels.

### Graduate School of Maritime Sciences

We offer a 2-year Master's program and a 3-year Doctoral program. The interdisciplinary research themes, embracing both the natural and social sciences, in the division of Maritime Management Sciences are related to the planning and management of maritime systems with a focus on safe global transportation. The division of Maritime Logistics Sciences focuses on the creation of efficient and environmentally low-impact systems of global cargo transportation, designing safety management systems for shipping, and the gathering and analysis of logistics information. The division of Marine Engineering engages mainly in the development of maritime mechanics and solutions for environmental and energy-related issues.

## Message from Faculty

DAN Tomohisa  
Professor  
Combustion Engineering



My specialty is in mechanical engineering, and my research theme concerns combustion engineering. Since climate change has become a major issue, combustion engines are now required to be environmentally friendly. Diesel engines, which are necessary for the propulsion or electric generation of ships, emit harmful pollutants into the environment, such as NOx, SOx, and PM. These emissions are regulated by both individual nations and international regulations, because shipping operations are global. A trial study to reduce harmful pollutants in engines will contribute to a healthy world community. Therefore, I am trying to establish environmentally friendly engine systems that allow for sustainable development.

## Student's Voice

Piao Meishu  
International Student  
People's Republic of China



I'm a first year master's student in the Graduate School of Maritime Sciences at Kobe University. It has the only Transport Packaging Laboratory in Japan and the once-a-month seminar at the lab provides me not only feedback about my research and opinions but also the opportunity to exchange ideas with people from business circles. This is helping me to decide which career direction I should take. As for my study, with my professor's guidance, I was able to join both domestic and international conferences to give presentations of my research findings. I am glad my decision to study in Kobe University was the right one.



*At a Glance*

928  
Undergraduates enrolled

205  
Graduates enrolled

43  
International students enrolled

78  
Faculty members



## International Academic Exchanges

The Faculty of Maritime Sciences actively promotes international academic exchanges with overseas universities and institutions and accepts many researchers and students from Asia and other regions. We are one of the original members of International Association of Maritime Universities (IAMU) founded in 1999, and play an important role within the organization, including sending students to the annual Assembly of International Association of Maritime University Students (IAMUS).

## Worldwide Employment Opportunities

Our students have obtained positions in companies, universities and research institutions, both inside and outside Japan, due to the expertise in global academic research fields they gain in our faculty. Our alumni also work in a wide range of fields including shipbuilding, logistics and electronics, and in private companies as well as public institutions including the Ministry of Land, Infrastructure, Transport and Tourism.



### Undergraduate Program

Departments	Courses
Global Transportation Sciences	Nautical Science Logistics
Ocean Safety Systems Science	
Marine Engineering	Ship Management Mechatronics

### Sea Training Course

Departments
Nautical Science Marine Engineering

### Master's Program

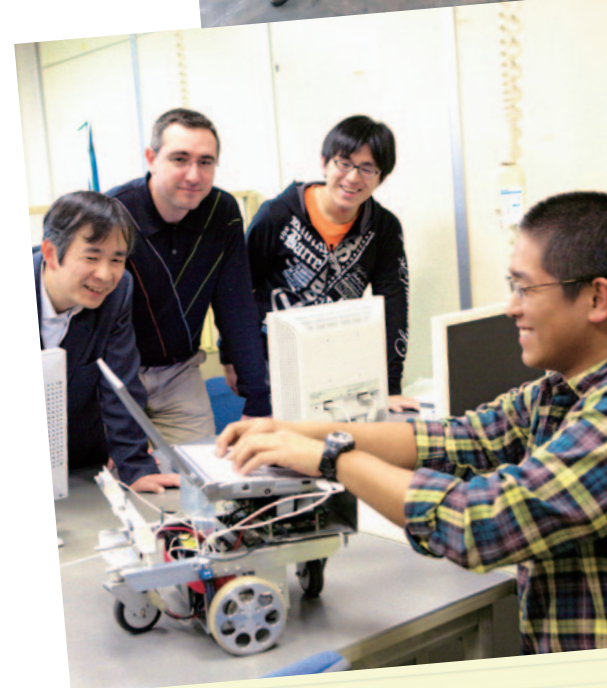
Department	Divisions
Maritime Sciences	Maritime Management Sciences Maritime Logistics Sciences Marine Engineering

### Doctoral Program

Department	Divisions
Maritime Sciences	Maritime Management Sciences Maritime Logistics Sciences Marine Engineering

### Courses Offered in English (AY2014)

	Subjects
Undergraduate	Introduction to Maritime Sciences, I Introduction to Maritime Sciences, II
Master's Program	Advanced Science and Technology I-2 Advanced lecture on Maritime Sciences, I Advanced lecture on Maritime Sciences, II
Doctoral Program	Advanced Science and Technology II-2



*Information*

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[http://www.maritime.kobe-u.ac.jp/index\\_e.html](http://www.maritime.kobe-u.ac.jp/index_e.html)

# Graduate School of International Cooperation Studies

The Graduate School of International Cooperation Studies (GSICS) was established in 1992 and offers four academic programs: International Studies, Development and Economics, International Law and Institution Building, and Political Science, providing a number of courses taught in English. Currently, international students from over twenty countries account for about forty percent of our students. One of our aims is to train graduate students who are interested in pursuing international careers. Academic activities at GSICS, therefore, encourage our students to acquire expertise and multidisciplinary knowledge through a flexible curriculum. For the international exchange of knowledge, GSICS often convenes international conferences and symposia and invites leading specialists from all over the world to deliver special lectures and seminars.

We also encourage our students to participate in internships and placements in domestic and international organizations, and recognize the importance of these activities by awarding credits for them, as well as partially subsidizing students' travel costs. A number of students have so far taken part in internships at the World Bank, Inter-American Development Bank, JICA, JBIC (Japan Bank for International Cooperation), and a number of United Nations agencies. For students seeking employment in Japan, GSICS arranges guidance and information sharing, and for those pursuing careers in international organizations, development agencies, and private firms, GSICS organizes a series of seminars on job seeking skills. We welcome international students who wish to join our vibrant academic community.

## Message from Faculty

ITO Takahiro  
Associate Professor  
Microeconomics



One of the more attractive features of GSICS is that we're part of an international collaborative network with renowned academic institutions around the world. The "CAMPUS Asia Program for Career in Risk Management in East Asia," for instance, was launched last year with the support of the three education ministries of China, South Korea and Japan. Three graduate schools—the School of International Relations and Public Affairs, Fudan University (China); the Graduate School of International Studies, Korea University (South Korea); and GSICS—have formed a consortium with the aim of establishing a hub for training international risk management experts through double-degree and student exchange programs.

## Student's Voice

Hális Alves  
International Student  
Brazil



Based on my experience, I can assure you that GSICS offers a truly global atmosphere that positively influences how we perceive international communities, diversity and cooperation. Since I joined the school, I have been able to expand my academic knowledge and hone a number of skills, such as practical application, argumentation and languages. Such comprehensive learning may well prove the basis for future achievements. For those who understand their purpose and abilities, this school offers the ideal environment and resources necessary to thrive, contributing greatly to your academic and professional formation.



*At a Glance*

275

Graduate students enrolled

124

International students enrolled

25

Faculty members



Master's Courses in English
Microeconomics
Macroeconomics
Monetary Theory
Public Finance
International Economics
Mathematics for Social Sciences
Statistics
Econometrics
Growth Theory
Economic Development Studies
Socio-Economic Development Theory
Environmental Economics
Development Management
International Development Cooperation
Human Capital Development
Social Research Methods for Development
Special Lecture on Development Economics
Special Lecture on Development Policy
Special Lecture on Development Planning
Special Lecture on Development Management
International Cooperation Law
Law of the International Civil Service
International Human Rights Law
Law of International Organizations
International Environmental Law
International Criminal Law
Law and State Building
Law and Economic Development
Law and Social Development
Japanese Politics
Comparative Politics
Political Development
Public Policy Studies
Institutional Design for Public Administration
Local Government
Local Development
Local Government Finance
Local Government Management
International Relations
Issues in Peace and Development I
Issues in Peace and Development II
Comparative and Quantitative Political Analysis
Japanese ODA
Special Lecture on International Cooperation Law
Special Lecture on Transnational Relations
Special Lecture on Political and Social Development
Special Lecture on Institution Building
Special Seminar
Academic Writing
Readings in Social Sciences
Multilateral Treaty Negotiation
Disaster Risk Reduction Strategies for Mega Earthquakes
Disaster Management
Asian Disaster Law

Master's Courses in Japanese		
International Studies	Transnational Relations	Seminar on Development Management
	Global Politics I	Comparative Educational Planning
	Global Politics II	Comparative Analysis of Educational Development
	Global Environmental Engineering	Educational Development
	International Security Studies	Evaluation of Educational Development
	Aid Administration	Seminar on Education and Development
	Special Lecture on Transnational Relations	International Public Health: Theory and Method
	Seminar on Transnational Relations	Study of Infectious Diseases
	Development Management	Epidemiology and Public Hygiene
	Project Appraisal and Policy Evaluation	Seminar on Public Health: Theory and Method
	Human Resource Development	Change in International Relations
	Sub-Saharan African Economies	International Assistance Policy
	African Politics	Seminar on Change in International Relations
	Development Anthropology	Urban and Regional Planning
	History of Trans-Pacific Relations	Global Challenge of Disaster Reduction
Development and Economics	Project Cycle Management	History of City and Architectural Environment
	Social Survey Methods in Developing Countries	Planning of Hydrospheric Environment
	Special Lecture on Development Management	Seminar on Urban Environment
	Development Economics I	Econometric Analysis
	Development Economics II	Special Lecture on Development Planning
	Economic Cooperation Studies	Seminar on Development Planning
	Finance and Development	International Structural Adjustment Theory
	Special Lecture on Economic Development	International Monetary Theory
	Seminar on Development Economics	Seminar on International Structural Adjustment
	Social Development	Comparative Economic Development
	Regional Development	Comparative Economic Systems
	Natural Resource and Environmental Economics	Seminar on Comparative Economic Development
	Special Lecture on Development Policy	Regional Economics
	Seminar on Development Policy	Special Lecture on Regional Economics
	Development Microeconomics I	Seminar on Regional Economics
International Law/Law and Development	Development Microeconomics II	Japanese Economic Development
	Development Macroeconomics I	Socio-Economic Development of Japan
	Development Macroeconomics II	Seminar on Japanese Economic Development
	Statistical Methods	
	International Cooperation Law	Seminar on Comparative Law
	International Human Rights Law	Human Rights Law and Development
	Law of International Organizations	Economic Law and Development
	Multilateral Treaty Negotiation	Social Law and Development
	International Environmental Law	Human Rights of Women and Children
	International Economic Law	Asian Environmental Law
Politics and Area Studies	International Law in Diplomacy	Legal Cooperation in Japan
	Special Lecture on International Cooperation Law	Islamic Law and Society
	Seminar on International Cooperation Law	Society and Culture in Development
	Comparative Law	Special Lecture on Institution Building
	International Investment Law	Seminar on Institution Building
	Special Topics in International Cooperation Law	
	Political Development	Comparative and Quantitative Political Analysis
	Comparative Politics	Special Lecture on Political and Social Development
	Comparative Public Administration	Seminar on Political and Social Development
	Research Methods in Political Science	Comparative Democracy
	Comparative Political Culture	Foreign Relations of Japan
	Comparative Area Studies	Seminar on Contemporary Politics

•Internship •International Field Work •Careers in International Organizations

Doctoral Courses in English/Japanese

•Advanced Research •Advanced Research Presentation •Workshop I •Workshop II •Internship •Advanced Overseas Research •International Organization Management



*Information*

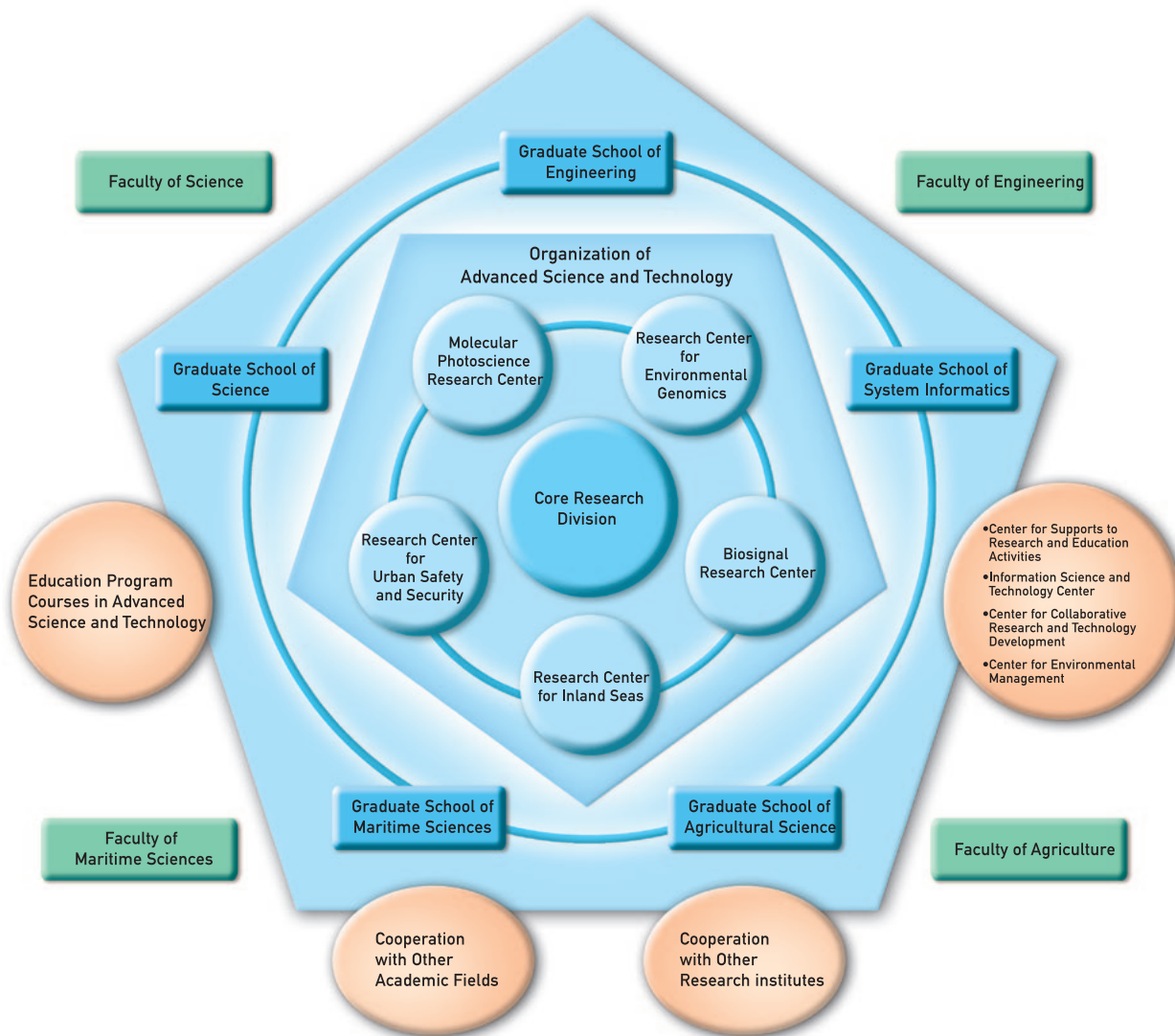
E-mail: [gsics-soumu@office.kobe-u.ac.jp](mailto:gsics-soumu@office.kobe-u.ac.jp)

<http://www.gsics.kobe-u.ac.jp/>

# Organization of Advanced Science and Technology

The Organization of Advanced Science and Technology (OAST) was established in April of 2007 on the occasion of the reorganization of the Graduate School of Science and Technology. At the beginning, OAST was based on the four graduate schools for Science, Engineering, Agricultural Science and Maritime Sciences. The Graduate School of System Informatics was then included as one of the graduate

schools upon its establishment in April of 2010. OAST is an interdisciplinary entity consisting of a Core Research Division made up of 19 core research teams, and five associated Research Centers. Serving as a base for cooperation among the five graduate schools, OAST aims to promote frontier research in science and technology at Kobe University.



## 19 Core Research Teams

No.	Research Theme	Leader
1	Geometric Aspects of Mathematics	Rossmann Wayne
2	Experimental Particle Physics for Exploring Space-time Structure	KURASHIGE Hisaya
3	Molecular Systems Assembled by Non-covalent Bonds	TOMINAGA Keisuke
4	Development and Integrity of Multicellular Organisms	INOUE Kunio
5	Integrative System Between Aquatic Environment and Photosynthetic Organisms	MIMURA Tetsuro
6	Water in the Solar System: Its Origin and Role in the Planetary Evolution	TATSUMI Yoshiyuki
7	Smart Materials Science and Engineering	KITA Takashi
8	Biomaterials and Medical Engineering	MUKAI Toshiji
9	Next-generation Infrastructures	YAMAZAKI Juichi
10	Construction of Next-generation Eco-production System	OHMURA Naoto
11	Disaster Prevention and Mitigation for Earthquakes and Heavy Rain	IIZUKA Atsushi

No.	Research Theme	Leader
12	Systems Design and Operational Strategy	KAIHARA Toshiya
13	A Cyber-physical System Technology for Smarter World Realization	YOSHIMOTO Masahiko
14	Study on Rural Design toward Load Reduction and Disaster Mitigation	TANAKAMARU Haruya
15	Integration and New Horizons in Plant Health Sciences	MAETO Kaoru
16	Health Bioscience	MIZUNO Masashi
17	Studies of Signal Transduction Mechanisms for the Development of Bioresource Animals	KIKKAWA Ushio
18	Analysis of Tsunami Disaster Impact and Development of Safety Management System	NISHIO Shigeru
19	Research and Development of Marine Renewable Energy and Hydrogen Engineering	TAKEDA Minoru





## Research Center for Environmental Genomics

The Center primarily conducts basic and applied research projects on environmental genomics related to interactions between organisms and their environmental factors.

### ■ The Present Research Projects

- Mechanism of intracellular signal transduction induced by extracellular stimuli
- Molecular functions of non-coding RNAs and small peptides
- Study on drug-metabolizing enzymes and model systems of biological membranes
- Monitoring and remediation of environmental contaminants with genetic engineering
- Cell signaling via protein kinase in photosynthetic organisms

<http://www.research.kobe-u.ac.jp/rceg/indexe.html>



## Biosignal Research Center

The Biosignal Research Center was founded in June 1990 as project-oriented research laboratories in the University focusing on the mechanisms of intracellular signal transduction. The Center expanded gradually, and was reorganized into a new research center in April 2000, with twelve faculty members and two visiting professors. It conducts research on the signaling network for the control of cellular functions (including proliferation, differentiation, motility, and death) in response to various stimuli, nutrient starvation, and genotoxic stresses, which involves post-translational modifications (including phosphorylation and ubiquitination), degradation, and cleavage of proteins.

<http://www.biosig.kobe-u.ac.jp/english/index.html>

## Research Center for Inland Seas

The Center, founded in 1963 and reorganized in 1995 and 2003, is located at the eastern end of the Seto Inland Sea, facing Osaka Bay. Our mission is to understand the origin of the characteristic environment found in inland seas, to elucidate the mechanisms of their functions, to investigate the diversity and behavior of all marine organisms living there, and to contribute to the preservation of these environments. The Center has a "Marine Site" at Iwaya in north Awaji Island, with a dormitory for about 30 students, and the research boat "Onokoro". Kobe University Macroalgal Culture Collection (KU-MACC) belonging to the Center, holds about 2,000 seaweed strains, and distributes them for research and educational purposes.

<http://www.research.kobe-u.ac.jp/rcis-kurcis/e.html>



## Research Center for Urban Safety and Security

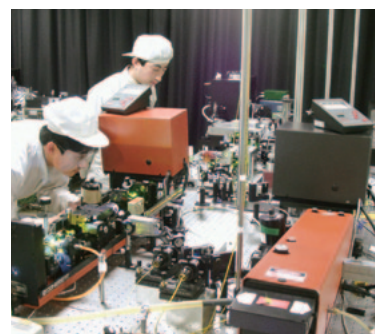
The Research Center for Urban Safety and Security (RCUSS) was established on May 11, 1996, about one year after the Great Hanshin-Awaji Earthquake. The mission of RCUSS is to make contributions in building safe and secure urban societies by developing visions toward such society and by conducting research and education on suitable methodologies and frameworks. The RCUSS was re-organized on April 1, 2012 to promote interdisciplinary researches on the disaster prevention and mitigation, and has 7 research fields in 3 divisions: Risk Assessment, Risk Management and Risk Communication; and 6 research fields in 3 cooperative divisions.

<http://www.rcuss.kobe-u.ac.jp/English/index-e.html>

## Molecular Photoscience Research Center

The Center aims at developing state-of-the-art laser spectroscopy and its application to molecular science. Three major projects are currently in progress. (1) Optical control and time-resolved study of the molecular excited state and chemical reaction dynamics by coherence of laser light. Doppler-free high-resolution laser spectroscopy to investigate structures and dynamics of excited molecules. (2) Ultrashort-pulsed laser spectroscopy to investigate molecular dynamics of chemical reactions and relaxation phenomena in condensed phases. (3) Coherent laser spectroscopy to investigate spin dynamics, atomic and molecular interactions, and magnetic properties of solid states.

<http://www.research.kobe-u.ac.jp/mprc/>



# Research Institute for Economics and Business Administration

Established in 1919 as the Commercial Research Institute of the Kobe Higher Commercial School, the Research Institute for Economics and Business Administration (RIEB) boasts the longest history of all social science research institutes affiliated to national universities in Japan. It is also the only research institute among all universities in Japan that focuses on the dual fields of economics and business administration.

Our primary objective is to advance the frontier of academic research in the fields of economics and business administration, emphasizing publications in international refereed journals. On the basis of RePEc (Research Papers in Economics) rankings, RIEB is the 6th academic institution in economics and related fields in Japan, the 24th in Asia, and among the top 8% in the world.

In pursuit of our primary objective, RIEB has vigorously involved itself in cutting-edge research activities. Areas of particular focus where notable results have been achieved include: (i) the development of global economy with diversity; (ii) finance and macroeconomic dynamics; (iii) technology management and international competitiveness; and (iv) theoretical and empirical studies on accounting systems.



In 2011, RIEB launched *The Japanese Accounting Review* (TJAR), currently the only international refereed journal in accounting based in Japan. The TJAR welcomes innovative works in all areas of

accounting related not only to the Asia-Pacific region, but all parts of the world. Along with the regular publication of the TJAR, the annual *TJAR International Conference* is held every year. The 5th TJAR International Conference (to be held on December 21st, 2014) is now calling for submissions. In addition to the TJAR conferences, RIEB hosts various seminars and symposia at both national and international levels throughout the year.



Another important objective of RIEB is to collect and maintain historically valuable materials. The affiliated *Integrated Center for Corporate Archives* collects and maintains historical documents pertaining to

business administration. Our collections include highly-regarded archives such as the "Kanebo Collection" and the "Kanematsu Collection." Earlier this year, the RIEB *Business Mechanization Exhibition* was certified as a 'Satellite Museum of Historical Computers' by the Information Processing Society of Japan for its collection of early computing machines including the first punch-card sorter manufactured in Japan, which was developed through cooperation between Kobe University and Kanegafuchi Jitsugyo in the 1940s. The one displayed here is the only punch-card sorter produced in Japan that has survived until today.

In addition to our academic objectives described above, we also seek to contribute to society through educational activities that are founded upon our academic achievements as well as industry-academia collaborative projects.



For further details regarding RIEB, please visit our website at: <http://www.rieb.kobe-u.ac.jp/index-e.html>

## Organization of RIEB

		Research Units	Research Fields	
Director   Faculty Meeting	Research Division	Global Economy Unit	•International Economy •Emerging Market	•Regional Integration •Economic Development Strategy
		Corporate Competitiveness Unit	•Innovation Management •Corporate Governance	•Industrial Organization •International Management
		Corporate Information Unit	•Accounting Information Analysis •Corporate Records Analysis	•Disclosure •Corporate Finance
		Global Finance Unit	•International Monetary Policy •International Monetary System	•Microeconomic Policy Analysis •Macroeconomic Policy Analysis
		Visiting Researcher		
	Integrated Center for Corporate Archives (ICCA)			
	Office of Promoting Research Collaboration			
	United Nations Depository Library			
	RIEB Library			
	Computer Laboratory			
	Administrative Office			

(As of April 1, 2014)



E-mail: [office@rieb.kobe-u.ac.jp](mailto:office@rieb.kobe-u.ac.jp) <http://www.rieb.kobe-u.ac.jp/index-e.html>



# University Libraries



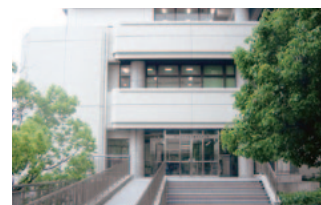
Library for Social Sciences



Library for Science and Technology



Library for Medical Sciences



Kobe University Library has a collection of approximately 3,700,000 volumes. The Library is comprised of the General Library and 9 subject-specific branches located across our four campuses.

Each library provides a comprehensive range of books and journals to both students and staff members to assist with their education and research. Computerization of the library system in cooperation with the Information Science and Technology Center and the establishment of networks with non-university institutions, such as the National Institute of Informatics, is further extending the library network, helping to provide a better service to all users.

In 1999, Kobe Digital Library was launched. It provides digitized collections for users both on and off campus via the Internet (<http://www.lib.kobe-u.ac.jp/dlib/e-index.html>). The library for Social Sciences stores 50,900 volumes related to the Great Hanshin Earthquake. These materials, also accessible to the public at the Great Hanshin-Awaji Earthquake Disaster Materials Collection, aim to contribute to boosting emergency restoration, earthquake research, and disaster-prevention measures.

## Rokkodai Campus

General Library  
Library for Social Sciences  
Library for Science and Technology  
Library for Humanities  
Library for Intercultural Studies  
Library for Human Development Sciences  
Library of Research Institute for Economics and Business Administration

## Kusunoki Campus

Library for Medical Sciences

## Myodani Campus

Library for Health Sciences

## Fukae Campus

Library for Maritime Sciences

## Number of Books

As of March 31, 2014

Library	Japanese and Chinese Books	Foreign Books	Total
General Library, Library for Intercultural Studies	382,716	140,107	522,823
Library for Social Sciences	637,500	706,147	1,343,647
Library for Science and Technology	260,824	234,635	495,459
Library for Humanities	190,190	111,662	301,852
Library for Human Development Sciences	259,989	76,143	336,132
Library of Research Institute for Economics and Business Administration	122,814	157,076	279,890
Library for Medical Sciences	65,943	82,234	148,177
Library for Health Sciences	51,231	8,846	60,077
Library for Maritime Sciences	201,010	57,648	258,658
Total	2,172,217	1,574,498	3,746,715

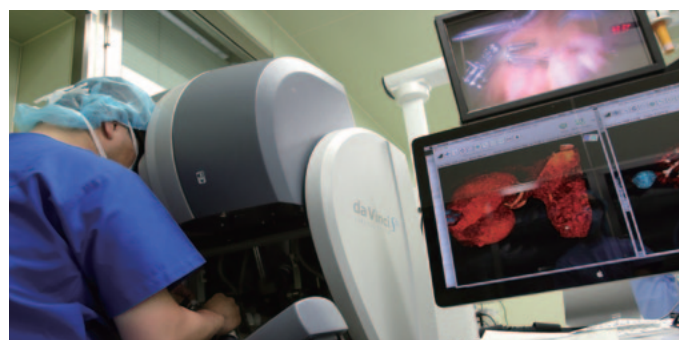
## Library Hours

Library	During the Semester			During Vacations		
	Mon.-Fri.	Sat.	Sun.	Mon.-Fri.	Sat.-Sun.	
General Library	8:45-21:30	10:00-18:00	Closed	8:45-17:00	Closed	
Library for Intercultural Studies		10:00-19:00	10:00-19:00*	8:45-21:30	10:00-19:00*	
Library for Social Sciences		8:45-20:00	10:00-18:00	Closed	8:45-17:00	Closed
Library for Sciences and Technology						
Library for Humanities						
Library for Human-Development Sciences	8:45-21:00	Closed	8:45-12:15 13:00-17:00		9:00-17:00 closed on Sunday	
Library of Research Institute for Economic and Business Administration	8:45-12:15 13:00-17:00					Closed
Library for Medical Sciences	8:45-21:00					9:00-17:00
Library for Health Sciences	8:45-20:00					10:00-18:00
Library for Maritime Sciences						

- \* Closed on Sundays (except the Library for Social Sciences), holidays, the anniversary of the establishment (5/15) and 12/28-1/4.
- \* The Libraries extend the hours of operation during the examination period of the first and second semesters.
- \* Opened on Sundays except the first Sunday of every month.



E-mail: [www-admin@lib.kobe-u.ac.jp](mailto:www-admin@lib.kobe-u.ac.jp) <http://www.lib.kobe-u.ac.jp/www/html/eng/e-index.html>



Kobe University Hospital began as Kobe Hospital which first opened its doors in 1869. In 1944, Kobe Hospital became known as the Prefectural Kobe Hospital, affiliated with the Prefectural Medical College. In 1967, it was renamed once again as Kobe University Hospital, becoming the affiliated hospital of Kobe University School of Medicine. In 1994, it became an advanced treatment facility, and an international Patient Center was established in October 2001 for the purpose of accepting international patients who wish to receive medical consultation and treatment. Since 2004, it has been operating as part of the National University Corporation and in 2007 it was designated a regional cancer treatment hospital. The inclusion of a heliport allows the hospital to function as a disaster-base hospital, supporting the local residents' emergency care needs. Over time, it evolved into a national university hospital, consisting of 36 clinical divisions with 930 beds.

Our hospital has always been strongly rooted in the local community and has made it one of its missions to contribute to community medicine. Another vital mission as a training facility is the nurturing of good physicians who are rich in compassion and humanity, and to further its development as a leading Japanese and international center for state-of-the-art research and clinical care.

One of the primary principles of this hospital is patient-focused medical care. Physicians, nurses, and medical staff of various disciplines work together as a team to provide caring and highly advanced medicine to our patients. In addition, we attempt to keep our system easy for our patients to understand, to improve our patient services, and to fortify strategies to ensure medical safety. Moreover, we have attempted to update our facilities with the most recent equipment possible, in order that we can provide both the best possible personnel and facilities to enhance the quality of medical care.

In April, 2014, new ward facilities in minimally invasive medicine (Department of Surgical Care, Cancer Center, Department of Endoscopic Medicine, Center for Perinatal Care, Center for Radiology and Radiation Oncology, Department of Diagnostic Pathology, etc.) became operational.

Our goal is a Kobe University Hospital that boasts a world-class level of care, while maintaining an open ear to our patients. We, together with our entire staff hope to continue our efforts towards these objectives.



# Institute for Promotion of Higher Education (College of General Education)



The Institute for Promotion of Higher Education (IPHE) at Kobe University is responsible for all academic programs both at undergraduate and graduate levels and has a remit to fulfill four university-wide educational goals, namely, the fostering of 1) humanity, 2) creativity, 3) internationality, and 4) expertise and competence in major fields.

In 2010, the Committee for Promotion of Higher Education (CPHE) was established as the decision-body of IPHE. CPHE has three sub-committees, namely, the Committee of Academic Affairs (CAA), the Committee on Academic Evaluation and Faculty Development (CAEFD), and the Steering Committee of General Education (SCGE). The CAA and SCGE are responsible for managing the academic affairs of undergraduate and graduate education, while CAEFD is responsible for assuring and enhancing the academic quality and standards at Kobe University.

IPHE has four divisions: 1) the Office for Promotion of Higher Education, 2) the College of General Education, 3) the

Research Institute for Higher Education, and 4) the Office of Global Education. The Office for Promotion of Higher Education was newly established in 2010 to coordinate all academic programs for the 11 undergraduate colleges and 14 graduate schools, while the College of General Education, which consists of 20 departments, is responsible for providing general education for all undergraduate students. The third division, the Research Institute for Higher Education is responsible for contributing to education at Kobe University through research and development of higher education. After our program, Projection for Promotion of Global Human Resource Development, was adopted by the MEXT, a new Office of Global Education was established in 2012 to implement projects working with the established Divisions. The Office of Global Education is responsible for enhancing the international viability of education offered at Kobe University.

## Supporting the Development of Global HRs Who Shape the Future of Our Economy/Society: Summary of the Plan

In light of the educational goals expressed in Kobe University's Educational Charter – "education of the whole person," "education to promote originality," "education to promote international awareness," and "education to promote expertise" –six participating faculties in the humanities and social sciences will collaborate in a joint educational program aimed at producing "global talents," who possess a profound education, advanced expertise, global perspective, and outstanding communication skills, as well as the kind of leadership described above.



# Common-use Facilities

## Information Science and Technology Center

This Center provides the ICT (Information and Communication Technology) infrastructure to support the education and research of all members of the university, including students, faculty and staff.

Services provided include the issuance and management of user IDs, email accounts and the use of PCs and servers for educational, research and business purposes. Following the reorganization in July 2010, the Center plays the leading role in the planning and execution of ICT strategy at Kobe University.

<http://www.istc.kobe-u.ac.jp/>



## The Center for Collaborative Research and Technology Development (CREATE)

The Center for Collaborative Research and Technology Development (CREATE) was established in 2005. Our task is to foster university-industry-government collaboration, establishing a fertile environment for prospering partnerships among these parties. CREATE has been engaged in many important activities: collaborative/sponsored research planning, research fund assistance, patent application support and licensing management, and development of innovative talent and entrepreneurship; such as "Regional Innovation," "Kansai Life Innovation" and "Hyogo Water Business Innovation." In addition, CREATE has developed the Project of Structure-Based Drug Discovery involving outside professionals from regional pharmaceutical companies, RIKEN SPring-8 Center and Hyogo Science and Technology Association.

CREATE is designing a new framework to collaborate with leading universities in Asia and the EU for facilitating international knowledge transfer.

<http://www.innov.kobe-u.ac.jp/create/index.html>



## International Student Center

The International Student Center was established as a university-wide research/teaching facility in April 1993.

The Center assumes overall responsibility for international students, including the provision of Japanese language instruction, Japanese studies courses, advising on studying and living in Japan, internships, career advice, and alumni networking. The Center also undertakes research and development aimed at promoting international study exchange programs, such as supporting Japanese students at Kobe University wishing to study overseas. In addition, the Center actively promotes international exchange programs in the local community, working with regional government agencies, local volunteer organizations, schools and companies.

[http://www.kisc.kobe-u.ac.jp/english/i\\_topics.html](http://www.kisc.kobe-u.ac.jp/english/i_topics.html)



## The School of Languages and Communication

The School of Languages and Communication (SOLAC) was established as a center for foreign language studies at Kobe University. SOLAC is primarily responsible for developing and delivering innovative curricula and methodologies to support the university's language courses. The School also provides language related assistance to the wider university community, including the Language Hub room, CALL rooms, short-term study abroad programs, and the Kobe University Academic Language and Communication Support (KALCS) program.

In addition, SOLAC plays an active role in conducting research and education at the postgraduate level in the fields of language, culture, and communication through its Master's and Doctoral programs in the Graduate School of Intercultural Studies.

<http://www.solac.kobe-u.ac.jp/index-e.html>



## Center for Supports of Research and Education Activities

The Center was reorganized in 2004 by unifying three formerly independent centers: the Radioisotope Research Center, the Center for Instrumental Analysis and the Cryogenic Center. The Center now consists of three divisions. The Radioisotope Division supports research and educational activities involving the use of various types of radioisotopes. The Instrumental Analysis Division provides users with technical assistance for research and education related to analytical technology. And the Cryogenic Division supplies users with liquid helium and liquid nitrogen and provides general services related to low temperature technology. The aim of the Center is to play an essential role in supporting research and educational activities in various fields of science and technology.

<http://www.csrea.kobe-u.ac.jp/index-e-pl20120201.html>



## Center for Environmental Management

The Center is responsible for the environmental management of the University including waste treatment and disposal. For instance, wastewater containing harmful chemical substances (e.g., heavy metals, such as mercury) used in research activities is carefully treated to avoid damage to the environment. The Center plays a significant role in Kobe University's environmental activities, including staff education concerning pollutant release, transfer and registration (PRTR). Energy saving and reduction of solid waste are also managed with the assistance of the Center.

<http://www.research.kobe-u.ac.jp/cema/>





# Medical Center for Student Health

The Medical Center for Student Health was established in April 1970. Services provided by the Center include an annual medical checkup for all students and staff, special checkups for people working with X-ray, radioisotope and other harmful substances, as well as a medical checkup for new international students. Emergency medical treatment is also available. There are doctors and nurses as well as counselors to provide consultation and advisory services on physical and mental well-being.

The Medical Center for Student Health also plays an important part in creating a safe and hygienic educational environment, through Health and Safety activities administered by qualified doctors.



<http://www.health.kobe-u.ac.jp/>

## International Residence

Kobe University has several dormitories for international students and scholars located within commuting distance. These are: Kobe University International Residence, SUMIYOSHI International Student House, SUMIYOSHI Residence, International House at Fukae Campus, HAKUO Dormitory and KOKUI Residence. Kobe University International

Residence and International House are exclusively for international students and scholars, however, other dormitories are for both international and Japanese students of Kobe University. The resident fees vary by room type. There are also boarding houses run by public and private organizations available for international students and scholars.

### Residential Facilities for Students and Researchers

Residence	Commute	Map
<b>1</b> International Residence 	To Rokkodai Campus, 30-40 min. by Port-liner and Hankyu train	
<b>2</b> Sumiyoshi International Student House (male students only) 	To Rokkodai Campus, 40-50 min. either on foot or by bus and train	
<b>3</b> Sumiyoshi Residence (male students only) 	To Rokkodai Campus, 40-50 min. either on foot or by bus and train	
<b>4</b> International House (Fukae area) 	To Rokkodai Campus, about 50 min. by train and bus To Fukae Campus, about 8 min. on foot	
<b>5</b> HAKUO Dormitory (Fukae area) 	To Rokkodai Campus, about 50 min. by train and bus To Fukae Campus, about 10 min. on foot	
<b>6</b> KOKUI Residence 	To Rokkodai Campus, 30 min. by bus and on foot	

### Rent Subsidy System

Kobe University has a rent subsidy system for eligible international researchers who agree to live in one of the public-run apartments designated by the University in the event there is no room available in either the International

Residence or International House. Under this system, the University will pay for approximately one half the monthly rent. However, residents themselves must pay utilities.



<http://www.kobe-u.ac.jp/en/international-students/current/housing-information.html>

# Overseas Offices

## Kobe University Brussels European Centre (KUBEC)

Kobe University Brussels European Centre was established in September 2010 with the aim of promoting international and multilateral collaboration with universities and institutions in Europe. The main activities are: 1. Promoting academic and educational collaboration with universities and research institutions, organizations and industries; 2. Acquiring and disseminating information on education and research in Europe; 3. Supporting networking for students and researchers in Europe, including alumni groups.

Seminars, training opportunities, education fairs and trial lessons for those who wish to study at Kobe University will be held at KUBEC.



### ■ Recent Activities:

#### Symposium

- Mar. 13, 2013 Kobe University Symposium in collaboration with European Economic and Social Committee, Japanese week in Brussels 2013, in commemoration of the 2nd anniversary of the Great East Japan Earthquake
- Mar. 10, 2014 4th Symposium in collaboration with European Economic and Social Committee: "Globalisation of Higher Education from a Perspective of EU-Japan Collaboration"

#### Workshops

- Sep. 2, 2013 Human Resource Database Research Project Workshop in 2013
- Oct. 7, 2013 One day workshop with Bruegel Institute on contemporary macroeconomy: Comparison of macroeconomic policy and regional integration in Japan and the EU
- Oct. 9, 2013 Is Japan a Viable Hard Power in the Academic? Follow-up Workshop on the State of Japanese Studies in Europe: Japan into Disciplines
- Oct. 18, 2013 Workshop: Promoting super high resolution real-time rainfall forecasting technique in Europe
- Nov. 7, 2013 Workshop: New Developments of Studies of Japanese Culture and Society in Europe
- Nov. 12, 2013 One day workshop: Lessons from interaction between plant and microbe: strategies in symbiosis and competition
- Nov. 28, 2013 KUBEC student workshop: That charm of Japan: Reconstructing Kobe after the 1995 earthquake
- Jan. 22, 2014 The third meeting on integration of spatial computable general equilibrium and transport modelling -Joint seminar of TU Delft and Kobe University-
- Mar. 4, 2014 Kobe University International Workshop in Brussels 2014: European Identity Formation and Its Political Significance - Intertwinement between Politics and Culture in the European Integration

Information

E-mail: [intl-kobe\\_u\\_bxl@office.kobe-u.ac.jp](mailto:intl-kobe_u_bxl@office.kobe-u.ac.jp) [www.office.kobe-u.ac.jp/ipiep/kubec/index\\_en.html](http://www.office.kobe-u.ac.jp/ipiep/kubec/index_en.html)

## Kobe University China Office

Kobe University China office was established on January 1, 2008. The Office is promoting academic and research collaboration in the fields of Humanities, Social Sciences, Natural Sciences and Biomedical Sciences with universities, institutions, organizations and industries in Asia. The office is also developing a network between Kobe University and its alumni and former researchers living in China. For prospective students who wish to study at Kobe University, useful information about admissions and tuition is available upon request. It also participates in Japan Education Fairs in China and provides useful information about studying at Kobe University.

Information

E-mail: [opie-chinaoffice@office.kobe-u.ac.jp](mailto:opie-chinaoffice@office.kobe-u.ac.jp)  
[www.office.kobe-u.ac.jp/ipiep/chinaoffice/index\\_zh.html](http://www.office.kobe-u.ac.jp/ipiep/chinaoffice/index_zh.html)

### ■ Recent Activities:

#### Symposium/Conference

- Nov. 1, 2013 8th Japan-China Presidents' Forum in Xiamen, China
- Nov. 1-2, 2013 The Asian Forum of Leaders of Japan Studies (AFJAS) in Prestigious Asian Universities in Kobe, Japan
- Nov. 6, 2013 Trends in Chinese Economy and Brand Preference of Consumers in Beijing, China

#### Japan Education Fair

- Jun. 2, 2013 Qingdao University
- Nov. 8, 2013 Fudan University
- Nov. 16, 2013 Northeast Normal University and Northeast Normal University Preparatory School for Chinese Students to Japan
- Nov. 22, 2013 Lanzhou University (Material distribution only)
- Nov. 30, Dec. 1, 2013 Hunan University and Southwest Jiaotong University
- Dec. 19, 2013 Beijing Institute of Technology
- Feb. 28, 2014 Tsinghua University

#### International Education Exhibition

- Jul. 6-7, 2013 14th China (Liaoning) International Education Exhibition-Shenyang Show
- Mar. 15-16, 2014 China International Education Exhibition Tour 2014



# International Activities

Sep. 9-10, 2013



## The Japan-EU Partnership in Innovation, Science and Technology (JEUIPSTE) project

JEUIPSTE was adopted in September 2013 as a part of the Bilateral Coordination for the Enhancement and Development of S&T Partnerships (BILAT) under the 7th Framework Programme (FP7) of the European Commission. The EU-Japan Centre for Industrial Cooperation at the Institute for International Studies and Training coordinates this three-year project and Kobe University is participating as a consortium member together with nine other European organizations participating in this project.

Oct. 7, 2013



## International Symposium, Brussels, Belgium: *Japan and the EU in the global economy*

Kobe University Graduate School of Economics, Bruegel, and Fondation France-Japon de l'EHESS co-organised an international symposium titled *Japan and the EU in the global economy*. Using a comparative approach, the symposium examined issues that are faced by both Japan and EU countries and over 60 people enthusiastically participated in the event. After the symposium, an exchange agreement was signed between Kobe University and Bruegel.

Nov. 1, 2013



## 8th Japan-China Presidents Forum in Xiamen, China

Representatives from 16 Japanese and 19 Chinese universities gathered in Xiamen, China, to participate in the 8th *Japan-China Presidents Forum*. The forum discussed ways to further promote academic and student exchange activities between Japan and China. During President Fukuda's speech, he committed to leading efforts to strengthen collaboration between Japan and China, and establish world-class universities that can contribute to world peace.

Nov. 1-2, 2013



## The Asian Forum of Leaders of Japan Studies (AFJAS) in Kobe, Japan

Kobe University hosted the Forum and eight eminent researchers of Japan Studies from prestigious Asian universities gathered to present and discuss the role and significance of Japan Studies within Asia. Mr. AKASHI Yasushi, Chairman of the International House of Japan, provided opening remarks, and nearly 100 people attended the Forum. The 2-day Conference is expected to promote additional knowledge sharing among researchers as well as the promotion of Japan Studies overseas.

Kobe University actively promotes international activities. Here are a few of the events held in Japan and abroad last year.

Dec. 19 and 22, 2013



## 4th Kobe University Global-link Forum in Vietnam

The Forum was one of the events commemorating the 40th anniversary of the establishment of diplomatic relations between Japan and Vietnam. Approximately 180 participants attended the Forum to present and exchange opinions regarding TPP, cooperation and development, and relations between Japan and Vietnam. The Kobe University International Alumni Networking Meeting was also held with alumni from various regions of Vietnam in attendance.

Mar. 3-5, 2014



## US-Japan Collaboration Fair 2014

With the aim of boosting US-Japan academia-industry research collaboration, Kobe University organized its first US-Japan Collaboration Fair. US universities and Kobe University, together with Japanese national research institutes and 16 corporations in the Kobe area, explored possibilities for initializing new, and further enhancing existing joint research endeavors.

Mar. 10, 2014



Photo © European Economic and Social Committee, 2014

## 4th Kobe University Brussels European Centre Symposium

On March 10, Kobe University hosted the 4th Kobe University Brussels European Centre (KUBEC) Symposium titled *Globalisation of Higher Education from the Perspective of EU-Japan Collaboration*. The Symposium, co-organised by the European Economic and Social Committee (EESC) and the EU-Japan Centre for Industrial Cooperation, was held at the EESC in Brussels, Belgium. The Symposium introduced international collaborative activities in education between Japan and the EU such as Double Degree Programs.

Jun. 22-23, 2014

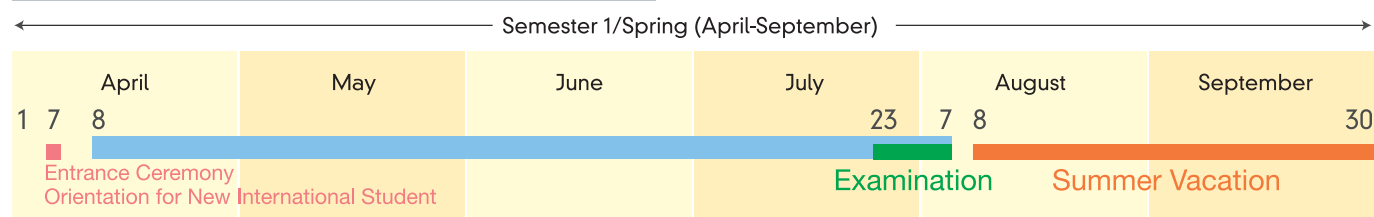


## KUBEC IR Research Seminar 2014: A Follow-up Workshop of the Kobe Sakura Mtg.

Funded by the Suntory Foundation and JSPS, Japanese and international researchers gathered together at Kobe University's Brussels European Centre to develop collaborative research projects in the fields of international relations and political science. This was the most recent in a series of seminars that began in 2011.

# Statistics

## Kobe University Academic Calendar 2014/2015

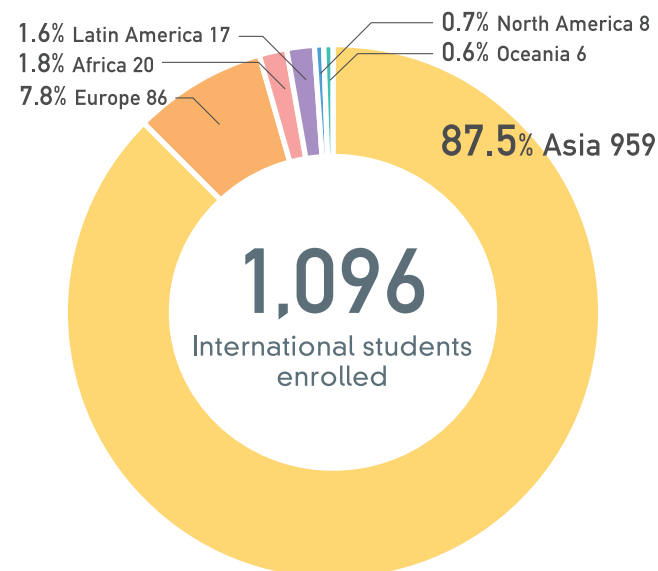


## Number of Staff and Students

Number of Staff		Number of Students	
<b>Total</b> <b>2,617</b> <small>(As of May 1, 2014)</small>		<b>Total</b> <b>16,537</b> <small>(As of May 1, 2014)</small>	<b>International Students</b> <b>1,096</b> <small>(As of May 1, 2014)</small>
Teaching Staff	1,355	Undergraduate Students	11,849 (4,044)
Administrative Staff (including technical staff and nurses)	1,137	Graduate Students	4,688 (1,509)
Faculty Staff in Attached Schools	125		

( ) Number of female students

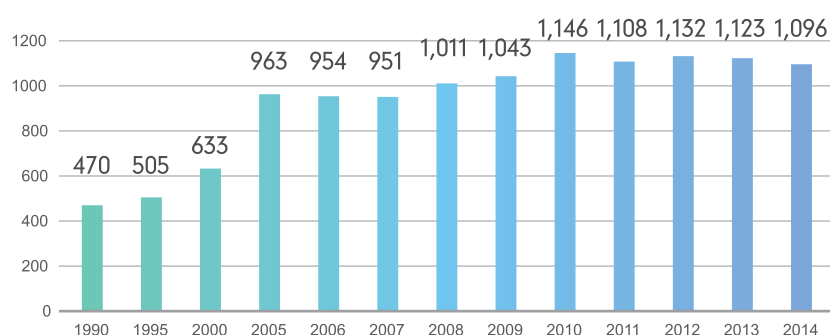
## Regional Distribution (International Students)



## Top 13 Countries and Regions (International Students)

	Countries/Regions	Enrolled International Students
1	China	629
2	Republic of Korea	92
3	Indonesia	50
4	Vietnam	44
5	Taiwan	29
6	Malaysia	36
7	U.K.	18
8	The Philippines	12
9	Lao P.D.R.	11
10	Mongolia	10
11	Thailand	9
12	France	8
13	U.S.A.	7

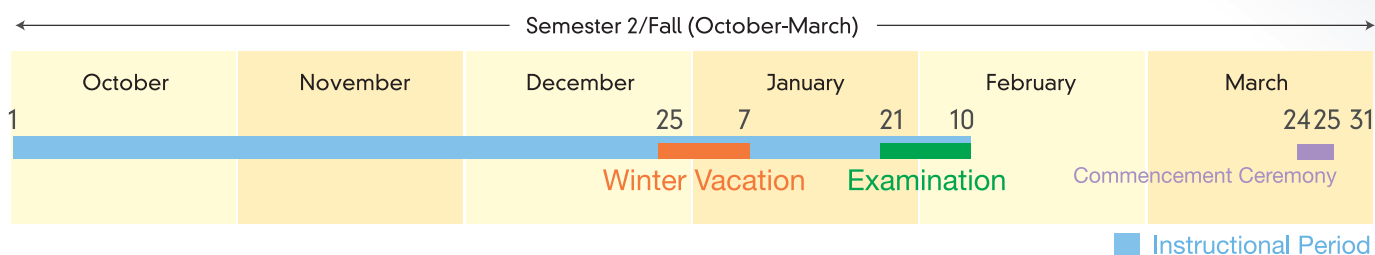
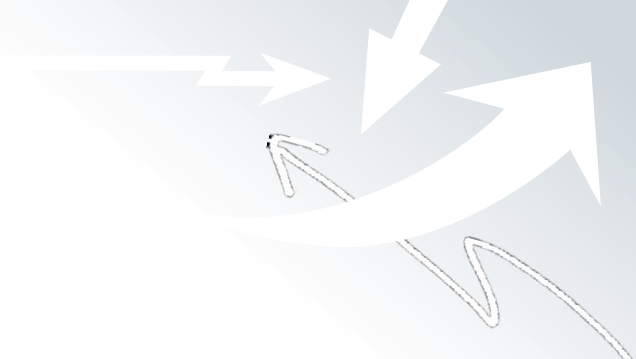
## Trends in Number of International Students Enrolled



## Number of Outbound Students

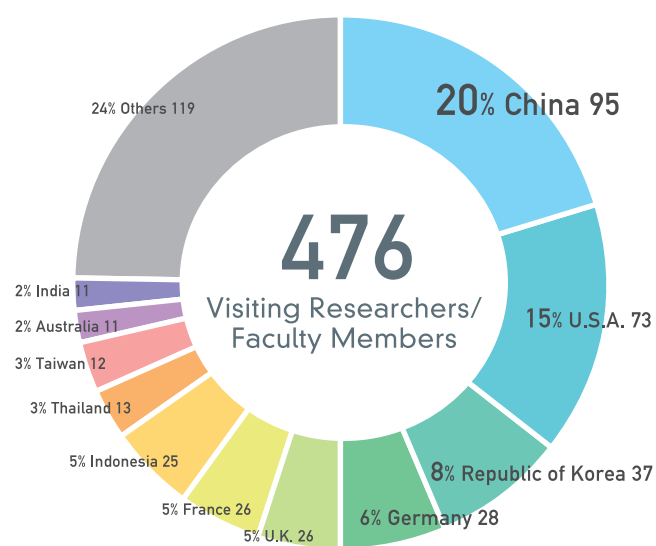
Category	Number
Based on Exchange Agreements	91
Language Training Program	80
Summer Program	17
Internship	27
Privately-Financed	66
Others	419
<b>Total</b>	<b>700</b>





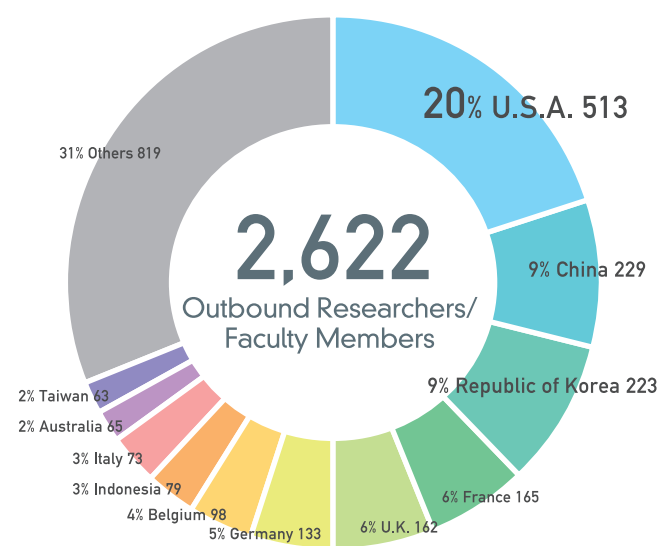
### Number of Visiting Researchers/Faculty Members

(Apr. 1, 2013 through Mar. 31, 2014)



### Number of Outbound Researchers/Faculty Members

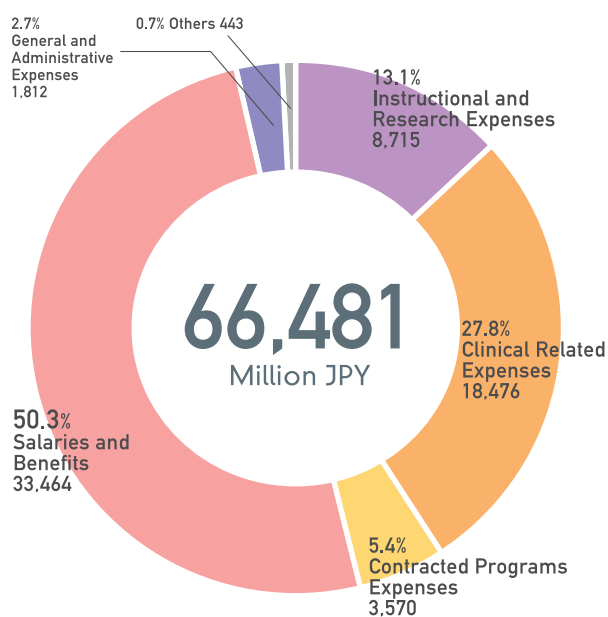
(Apr. 1, 2013 through Mar. 31, 2014)



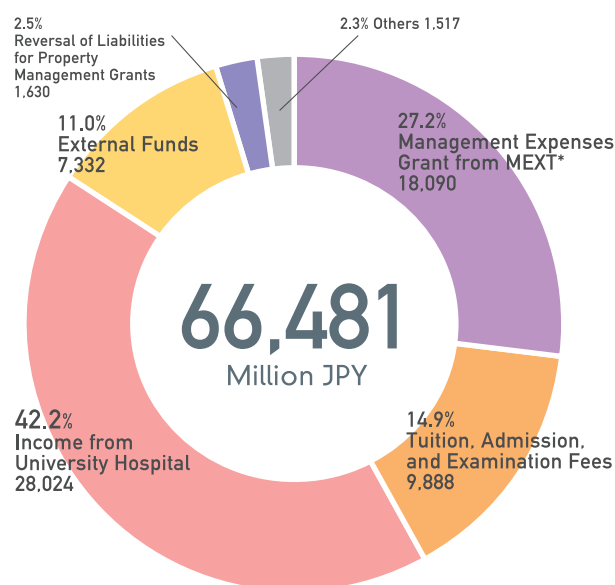
### Financial Highlights

(As of March 31, 2014)

#### Expenses (Unit: Million JPY)



#### Income (Unit: Million JPY)



\*The Ministry of Education, Culture, Sports, Science and Technology

# Academic Exchange Agreements

Kobe University is conducting intensive exchanges for education and research with partner universities and institutions overseas, which enriches the academic environment on campus. Kobe University has currently 249 partner institutions in 53 countries/regions. Agreements with those marked "★" have a mutual tuition waiver clause, which makes it possible to implement student exchanges and promote students' mobilities.

## Inter-University Agreements (112 institutions)

(As of May 1, 2014)

Area	Country/Region	Overseas University/Institute	Year of Conclusion
Asia	Bangladesh	Bangladesh Agricultural University	2013
	China	Beijing Foreign Studies University*	2008
		Beijing Normal University*	2005
		China Agricultural University	2012
		China Medical University*	2000
		Dalian Maritime University*	2003
		Dalian University of Technology	2010
		East China Normal University*	2000
		Fudan University*	2008
		Huazhong University of Science and Technology*	2011
		Nankai University*	2008
		Ocean University of China*	2006
		Peking University	2000
		Renmin University of China*	2014
		Shandong University*	2000
		Shanghai Jiao Tong University*	2009
		Shanghai Maritime University*	2003
		Sun Yat-Sen University*	2000
		The Chinese University of Hong Kong*	2013
		Tsinghua University*	2009
		Wuhan University*	2008
		Xi'an Jiaotong University	2008
		Zhejiang University*	2008
		Zhongnan University of Economics and Law	2001
	Indonesia	Airlangga University*	2013
		Bogor Agricultural University	2012
		Gadjah Mada University*	2012
		Institu Teknologi Sepuluh Nopember*	2003
		Syiah Kuala University*	2010
		University of Indonesia*	2004
	Korea	Chonnam National University*	2005
		Hanyang University*	2001
		Jeju National University*	2004
		Korea Maritime University*	2003
		Korea University*	2012
		Kunsan National University*	2003
		Kyungpook National University*	1999
		Mokpo National Maritime University*	2003
		Mokpo National University*	2002
		Pusan National University*	2001
		Seoul National University*	2009
		Sungkyunkwan University*	2002
	Laos	National University of Laos	2001
	Mongolia	Ulaanbaatar University	2001
	Philippines	University of the Philippines Los Baños	2006
	Taiwan	National Chengchi University*	2014
		National Taiwan Ocean University*	2003
		National Taiwan University*	2002
	Thailand	Mahidol University*	2012
		Thammasat University*	2000
	Vietnam	Foreign Trade University*	2007
		Hanoi University of Technology*	2005
		National Economics University	2007
		The University of Danang	2013
		Vietnam National University, Ho Chi Minh City*	2014

Area	Country/Region	Overseas University/Institute	Year of Conclusion
Middle East	Turkey	Harran University	2012
		Istanbul Technical University*	2004
Africa	Egypt	Cairo University	2009
Oceania	Australia	Australian Maritime College*	2003
		The University of Queensland*	2010
		The University of Western Australia*	2010
North America	USA	California Maritime Academy*	2003
		Emory University	1983
		Maine Maritime Academy	2003
		University of Pittsburgh*	2009
		University of South Florida	2011
		University of Texas at Austin*	1998
Latin America	Brazil	Federal Center of Technological Education of Parana*	2002
		Rio de Janeiro State University*	2004
		State University of Londrina*	2002
	Mexico	The University of Guadalajara	2007
Europe	Paraguay	Universidad del Norte	2011
	Austria	University of Graz*	2012
		Ghent University*	2009
		Katholieke Universiteit Leuven*	2010
		Saint-Louis University*	2014
		University of Liège*	2014
		Université Libre de Bruxelles	2010
	Belgium	Vrije Universiteit Brussel	2010
		Bulgarian Universities and Institutes of Bulgarian Academy of Sciences	2005
	Bulgaria	Sofia University St. Kliment Ohridski*	2012
	Czech Republic	Charles University*	2006
	Denmark	University of Aarhus*	2000
	France	Ecole Normale Supérieure Lettres et Sciences Humaines*	2009
		l'Ecole Centrale de Lyon*	2004
		Université de Nice-Sophia Antipolis*	2000
		Université de Paris X-Nanterre*	2006
		Université de Strasbourg	2013
		Université Lille3*	2013
		Université Panthéon-Assas (Paris II)*	2005
		Université Paris 13	2010
		Université Paris Diderot - Paris 7*	2011
	Germany	Universität Hohenheim	2010
	Ireland	National University of Ireland, Galway*	2005
	Italy	Ca' Foscari University of Venice*	2011
		University of Ferrara	2001
	Netherlands	Leiden University*	2009
	Poland	Jagiellonian University*	2013
		University of Warsaw*	2008
	Romania	Babeş-Bolyai University*	1998
	Russia	Moscow State Pedagogical University*	2012
	Sweden	Linköping University*	2011
		World Maritime University/IMO	2003
	UK	Middlesex University	1995
		School of Oriental and African Studies, University of London*	2007
		The University of Dundee*	2013
		The University of Sheffield*	1989
		University of Birmingham*	1999
		University of Essex*	2001
		University of Glasgow	1999
		University of Oxford*	2011





## Inter-Faculty/Graduate School Agreements (173 institutions)

(As of May 1, 2014)

Area	Country/ Region	Overseas University/Institute	Faculty/Graduate School	Kobe University	Year of Conclusion
Asia	Bangladesh	Chittagong Medical College		Graduate School of Medicine, School of Medicine	2013
		IUBAT - International University of Business Agriculture and Technology		Graduate School of Human Development and Environment	2013
	Cambodia	International University		Research Center for Urban Safety and Security, Graduate School of Medicine, School of Medicine	2012
	China	Beijing Forestry University	The college of Forestry of Beijing Forestry University	Graduate School of Agricultural Science	2013
		Central South University of Forestry and Technology	Resource and Environmental College	Faculty of Agriculture	2003
		Chengdu University of Technology	State Key Laboratory of Geohazards Prevention, College of Environment and Civil Engineering	Research Center for Urban Safety and Security	2008
		China University of Geosciences (Wuhan)		Faculty of Science	1988
		China University of Political Science and Law	College of Law	Faculty of Law, Graduate School of Law	2008
			College of Civil Engineering	Faculty of Engineering, Graduate School of Engineering	2009
		Chongqing University*	College of Architecture and Urban Planning	Faculty of Engineering, Graduate School of Engineering	2010
		East China Normal University*	School of Education Science	Faculty of Human Development, Graduate School of Cultural Studies and Human Science	1998
		Harbin Institute of Technology*	School of Civil Engineering	Faculty of Engineering, Graduate School of Engineering	2011
		Lanzhou University*	School of Economics	Graduate School of Economics	2009
		Minzu University of China	School of Economics	Faculty of Agriculture	2007
		Ningbo University*	The Medical School	Graduate School of Science	2011
		Northeastern University*	College of Resources and Civil Engineering	Faculty of Engineering, Graduate School of Engineering	2013
		Northwest A&F University*	College of Agronomy	Graduate School of Agricultural Science	2010
			College of Plant Protection	Graduate School of Agricultural Science	2013
		Peking University	Department of Law	Faculty of Law	1996
		Southeast University	School of Material Science & Engineering	Graduate School of Science	2009
			School of Mechanical Engineering	Graduate School of Engineering	2009
		Southern Yangtze University	School of Design	Faculty of Letters, Graduate School of Letters, Graduate School of Humanities and Social Sciences	2005
		Southwest Jiaotong University*	School of Civil Engineering, School of Architecture	Faculty of Engineering, Graduate School of Engineering, Research Center for Urban Safety and Security	2009
		The University of Hong Kong*	Faculty of Arts	Faculty of Letters, Graduate School of Humanities, Faculty of Intercultural Studies, Graduate School of Intercultural Studies, Faculty of Human Development, Graduate School of Human Development and Environment	2008
		Tianjin University		Faculty of Engineering	1980
		Tsinghua University	Urban Planning & Design Institute	Research Center for Urban Safety and Security	2008
		Zhejiang University*	School of Humanities, College of Media and International Culture	Faculty of Letters, Graduate School of Letters, Graduate School of Humanities and Social Sciences, Faculty of Intercultural Studies, Faculty of Human Development, Graduate School of Cultural Studies and Human Science	2007
			Law School	Faculty of Law, Graduate School of Law	2008
			College of Economics	Graduate School of Economics	2009
		Zhengzhou University*	Department of Fine Arts	Faculty of Letters, Graduate School of Letters, Graduate School of Humanities and Social Sciences	2006
	Indonesia	Andalas University*	Faculty of Medicine	Graduate School of Medicine, School of Medicine	2013
		Bogor Agricultural University	Faculty of Veterinary Medicine	Graduate School of Medicine, School of Medicine	2011
		Gadjah Mada University*	Faculty of Economics	Graduate School of International Cooperation Studies	2006
			Faculty of Engineering	Graduate School of International Cooperation Studies	2006
				Graduate School of Engineering, Faculty of Engineering	2007
		Hasanuddin University*	Faculty of Medicine	Graduate School of Medicine, School of Medicine	2009
		Indonesia University of Education		Graduate School of International Cooperation Studies	2007
		Institut Teknologi Bandung*	Faculty of Industrial Technology	Faculty of Engineering	1991
			School of Architecture, Planning and Policy Development	Graduate School of International Cooperation Studies	2006
		Kartanegara University		Graduate School of International Cooperation Studies	2007
		University of Indonesia*	Faculty of Economics	Graduate School of Economics	2004
				Graduate School of International Cooperation Studies	2006
		University of Lampung	Faculty of Mathematic ans Natural Sciences	Graduate School of Agricultural Science	2007
	Korea	Catholic University of Korea*	Faculty of International Relations	Faculty of Law, Graduate School of Law	2014
		Chonbuk National University*	College of Law	Faculty of Law, Graduate School of Law	2008
		Chungnam National University*	College of Economics and Management	Graduate School of Business Administration, School of Business Administration	2014
		Daegu University*	College of Engineering and Graduate School (Department of Engineering)	Faculty of Engineering, Graduate School of Engineering	2013
		Dong-A University	College of Medicine	School of Medicine	1992
		Gongju National University of Education*		Faculty of Human Development, Graduate School of Human Development and Environment	2009

# Academic Exchange Agreements

## Inter-Faculty/Graduate School Agreements (173 institutions)

(As of May 1, 2014)

Area	Country/ Region	Overseas University/Institute	Faculty/Graduate School	Kobe University	Year of Conclusion
Asia	Korea	International University of Korea		Graduate School of Agricultural Science	2010
		Korea Nazarene University*	Division of Social Welfare	Graduate School of Human Development and Environment	2009
		Kyungpook National University	College of Natural Sciences	Faculty of Science	1989
			Economic and Management Research Institute	Research Institute for Economics and Business Administration	1996
		Seoul National University	College of Agriculture and Life Science	Faculty of Agriculture	2003
		Sogang University*	School of Economics	Faculty of Economics, Graduate School of Economics	2011
		Yonsei University Wonju Campus*	Department of Economics	Faculty of Economics, Graduate School of Economics	2011
	Malaysia	International Medical University		Graduate School of Medicine, School of Medicine	2010
		Universiti Sains Malaysia*	School of Medical Sciences	Graduate School of Medicine, School of Medicine	2008
	Nepal	Nepal Medical College		Graduate School of Medicine, School of Medicine	2003
	Philippines	Ateneo de Manila University*		Faculty of Intercultural Studies, Graduate School of Intercultural Studies	2009
		University of the Philippines Manila		School of Medicine	1998
	Singapore	Nanyang Technological University	Division of Economics, School of Humanities and Social Sciences	Research Institute for Economics and Business Administration	2014
		National University of Singapore	Faculty of Medicine	Graduate School of Medicine, School of Medicine	2013
	Taiwan	Institute of Economics, Academia Sinica		Research Institute for Economics and Business Administration	2007
		National Chengchi University*	College of Law	Faculty of Law, Graduate School of Law	2010
			College of Liberal Arts	Faculty of Intercultural Studies, Graduate School of Intercultural Studies	2013
		National Kaohsiung Marine University*	College of Management, College of Maritime, College of Ocean Engineering	Faculty of Maritime Sciences, Graduate School of Maritime Sciences	2010
		National Taipei University*		Faculty of Law, Graduate School of Law	2009
		Taipei Medical University	College of Medicine and College of Nursing	Graduate School of Medicine, School of Medicine, Graduate School of Health Sciences	2013
	Thailand	Burapha University*	Faculty of Logistics	Faculty of Maritime Sciences, Graduate School of Maritime Sciences	2013
		Chiang Mai University*	Faculty of Medicine	Graduate School of Medicine, School of Medicine	2011
				Graduate School of Health Sciences	2011
			Faculty of Nursing	Graduate School of Health Sciences, School of Medicine	2013
		Chulalongkorn University*	Faculty of Nursing	Graduate School of Medicine, School of Medicine	2003
			Faculty of Medicine	Graduate School of Medicine, School of Medicine	2005
			Faculty of Economics	Graduate School of Business Administration, School of Business Administration	2012
		Chulalongkorn Business School		Graduate School of Business Administration, School of Business Administration	2013
				Graduate School of Business Administration, School of Business Administration	2013
		Kasetsart University	Faculty of Agriculture	Faculty of Agriculture, Graduate School of Science and Technology	1999
		King Mongkut's University of Technology Thonburi*	School of Bioresources and Technology	Graduate School of Agricultural Science	2009
		National Research Council of Thailand		Graduate School of Medicine, School of Medicine	2007
		Rajamangala University of Technology Isan	Faculty of Science and Liberal Arts	Graduate School of Engineering	2013
		Rajamangala University of Technology Thanyaburi	Faculty of Engineering, Faculty of Science and Technology	Graduate School of Engineering	2013
	Vietnam	Hanoi Agricultural University		Faculty of Agriculture, Graduate School of Science and Technology	2005
		Hanoi Medical University		Graduate School of Medicine, School of Medicine	2011
		Hue University of Agriculture and Forestry		Faculty of Agriculture, Graduate School of Agricultural Science	2013
		Nong Lam University		Faculty of Agriculture, Graduate School of Science and Technology	2002
			Course of Tropical Agriculture	Faculty of Agriculture, Graduate School of Science and Technology	2005
		Vietnam National University, Ho Chi Minh City*	University of Social Sciences and Humanities	Faculty of Intercultural Studies	2011
		Vietnamese Academy of Agricultural Sciences		Graduate School of Agricultural Science	2013
Middle East	Iran	Islamic Azad University	Research Center for Industry and Mining	Research Center for Urban Safety and Security	2008
	Turkey	University of Adiyaman		Graduate School of Agricultural Science	2010
	Yemen	Ministry of Education in the Republic of Yemen		Graduate School of International Cooperation Studies	2006
Africa	Egypt	Al-Azhar University (Assiut Branch)	Faculty of Science	Faculty of Agriculture, Graduate School of Agricultural Science	2009
		Assiut University	Faculty of Science	Faculty of Agriculture, Graduate School of Agricultural Science	2009
		Cairo University*	Faculty of Economics and Political Science	Graduate School of International Cooperation Studies	2009
		Suez Canal University*	Faculty of Medicine	Graduate School of Medicine, School of Medicine	2003
			Faculty of Veterinary Medicine	Graduate School of Medicine, School of Medicine, Graduate School of Health Sciences	2011
	Kenya	Maseno University	Faculty of Science	Graduate School of Agricultural Science, Faculty of Agriculture	2012
	Malawi	University of Malawi	Centre for Educational Research and Training	Graduate School of International Cooperation Studies	2006
	Tanzania	University of Dar es Salaam	Economic Research Bureau	Graduate School of International Cooperation Studies	2007
	Uganda	Ministry of Education and Sports in the Republic of Uganda		Graduate School of International Cooperation Studies	2008





## Inter-Faculty/Graduate School Agreements (173 institutions)

(As of May 1, 2014)

Area	Country/ Region	Overseas University/Institute	Faculty/Graduate School	Kobe University	Year of Conclusion
Oceania	Australia	Curtin University of Technology*	Division of Humanities	Faculty of Intercultural Studies, Graduate School of Intercultural Studies	2012
		The University of New South Wales*		Graduate School of Engineering, Graduate School of Science	2014
		The University of Sydney*	Sydney Law School	Faculty of Law, Graduate School of Law	2012
North America	Canada	Brock University*	Institute for Scientific Computation	Graduate School of System Informatics	2010
		University of British Columbia	Institute of Asian Research	Research Institute for Economics and Business Administration	1995
		University of Toronto	Faculty of Applied Science and Engineering	Faculty of Engineering	1980
	USA	Boston College	Department of Economics	Graduate School of Economics	2012
		Brandeis University	Graduate School of International Economics and Finance	Research Institute for Economics and Business Administration	1997
		Emory University	School of Medicine	School of Medicine	1983
		FHI360		Graduate School of International Cooperation Studies	2011
		The University of Tennessee, Knoxville*		Faculty of Intercultural Studies, Graduate School of Intercultural Studies	2012
		University of Georgia*		Faculty of Intercultural Studies	2010
		University of Hawaii*	John A. Burns School of Medicine	School of Medicine	2001
		University of Maryland*	College Park	Graduate School of Intercultural Studies, Faculty of Intercultural Studies	2013
		University of Washington*	College of Engineering	Faculty of Engineering	1980
			School of Business Administration	School of Business Administration	1996
		University of Wisconsin-Madison	College of Engineering	Faculty of Engineering	1983
		Utah State University*	College of Humanities and Social Sciences	Graduate School of Intercultural Studies, Faculty of Intercultural Studies	2012
		Yale University	Economic Growth Center	Research Institute for Economics and Business Administration	2007
Latin America	Brazil	Universidade Federal do Rio de Janeiro	Instituto de Economia	Research Institute for Economics and Business Administration	2010
	Chile	The United Nations Economic Commission for Latin America and the Caribbean (ECLAC)		Research Institute for Economics and Business Administration	2010
	Costa Rica	University for Peace		Graduate School of International Cooperation Studies	2007
Europe	Austria	Johannes Kepler University Linz*	Research Institute for Symbolic Computation (RISC)	Graduate School of Human Development and Environment, Graduate School of Science	2009
		Medical University of Graz		Graduate School of Human Development and Environment	2012
		Vienna University of Economics and Business Administration*		Graduate School of Business Administration, School of Business Administration	2012
	Belgium	Bruegel		Graduate School of Economics	2013
		Université catholique de Louvain	Health Sciences	Graduate School of Medicine, The Biosignal Research Center	2013
	Finland	Tampere University of Technology*		Faculty of Engineering	1989
	France	BRGM (Geological Survey of France)		Research Center for Urban Safety and Security	2006
		Côte d'Azur Observatory*		Graduate School of Science	2012
		ESCP EUROPE*		School of Business Administration, Graduate School of Business Administration	1982
		EUROMED MANAGEMENT*		Graduate School of Business Administration, School of Business Administration	2002
		Institut National des Sciences Appliquées de Lyon*		Faculty of Engineering, Graduate School of Engineering	2013
		Pierre-Mendès-France University*	The Law Faculty	Graduate School of International Cooperation Studies	2013
		Laboratoire National des Champs Magnétiques Pulsés		Molecular Photoscience Research Center	2003
		Université de Rennes 1*	IGR-IAE de Rennes	Graduate School of Intercultural Studies, Faculty of Intercultural Studies	2011
		Université Stendhal-Grenoble 3*		Graduate School of Intercultural Studies, Faculty of Intercultural Studies	2010
	Germany	Albert-Ludwigs-Universität Freiburg	Faculty of Biology	Faculty of Science	1990
		Berlin School of Economics and Law*		Graduate School of Economics	2010
		Christian-Albrechts-University of Kiel*	Faculty of Engineering	Faculty of Engineering, Graduate School of Science and Technology	2000
		EBS University of Business and Law*	Business School	Graduate School of Business Administration	2013
		Freie Universität Berlin*	Department of History and Cultural Studies, Academic Division Art History of East Asia	Graduate School of Intercultural Studies	2013
		Georg-August-University Göttingen*	Faculty of Economics Science	School of Business Administration, Graduate School of Business Administration	2013
		Institute of Solid State Research at the Leibniz Institute for Solid State and Materials Research Dresden		Molecular Photoscience Research Center	2013
		Leipzig University*	Faculty of History, arts and Oriental Studies	Graduate School of Intercultural Studies, Faculty of Intercultural Studies	2013
		Universität Hamburg*	Asien-Afrika-Institut, Fakultät für Geisteswissenschaften	Faculty of Intercultural Studies, Faculty of Letters, Graduate School of Intercultural Studies, Graduate School of Human Development and Environment, Graduate School of Humanities	2013
		WHU - Otto Beisheim School of Management*		Graduate School of Business Administration	2006
	Greek	Aristotle University of Thessaloniki I		Faculty of Engineering, Graduate School of Engineering, Research Center for Urban Safety and Security	2013
	Ireland	Dublin City University*		Faculty of Economics, Graduate School of Economics	1992
	Italy	IASI-CNR(Institute for Systems Analysis and Computer Science-National Research Council)		Graduate School of System Informatics	2013
		ITIA-CNR (Institute of Industrial Technologies and Automation - National Research Council)		Graduate School of System Informatics	2010

# Academic Exchange Agreements

## Inter-Faculty/Graduate School Agreements (173 institutions)

(As of May 1, 2014)

Area	Country/ Region	Overseas University/Institute	Faculty/Graduate School	Kobe University	Year of Conclusion
Europe	Italy	University of Bologna*	Faculty of Engineering	Graduate School of Science and Technology, Faculty of Engineering	2002
			Scuola Superiore di Lingue Moderne per Interpreti e Traduttori, Dipartimento di Studi Interdisciplinari su Traduzione, Lingue e Culture	Graduate School of Intercultural Studies, Faculty of Intercultural Studies	2014
		University of Parma*	Department of Economics	School of Business Administration, Graduate School of Business Administration	2013
	Latvia	Riga Technical University	Faculties of Architecture and Construction, Chemical Engineering, Electrical Power Engineering, Instrumentation Engineering and Automation Apparatus Building, Mechanical Engineering	Faculty of Engineering	1991
	Netherlands	University of Groningen	Groningen Biomolecular Sciences and Biotechnology Institute (GBB)	Organization of Advanced Science and Technology	2010
	Norway	Norwegian School of Economics and Business Administration*		Graduate School of Business Administration	2004
		Oslo and Akershus University College of Applied	Faculty of Education and International Studies	Graduate School of Human Development and Environment	2013
	Poland	Jagiellonian University*	Faculty of Philosophy	Faculty of Letters	2012
	Portugal	University of Coimbra*	Faculty of Economics	Faculty of Law, Graduate School of Law	2010
	Republic of Lithuania	Vilnius Gediminas Technical University	Faculty of Fundamental Sciences	Graduate School of Engineering, Graduate School of Human Development and Environment	2014
	Russia	Penza State University of Architecture and Construction		Graduate School of Human Development and Environment	2011
		Russian Academy of Sciences	General Physics Institute	Molecular Photoscience Research Center	2003
	Serbia	University of Belgrade*	Faculty of Mechanical Engineering	Graduate School of Agricultural Science	2011
	Spain	Universitat Autònoma de Barcelona*	Faculty of Translation and Interpreting and Graduate School of (Department of Translation & Interpreting)	Faculty of Intercultural Studies, Graduate School of Intercultural Studies	2013
	Sweden	University of Gothenburg*	School of Business, Economics and Law	Graduate School of Business Administration, School of Business Administration	2012
	UK	Cardiff University*	Cardiff Business School	Graduate School of Business Administration, School of Business Administration	2004
			Cardiff Business School, Cardiff School of Social Sciences, Cardiff School of Engineering	Faculty of Maritime Sciences, Graduate School of Science and Technology	2005
				Graduate School of Human Development and Environment	2007
		University of East Anglia*	School of Development Studies	Graduate School of International Cooperation Studies	2007
		University of Manchester*	Faculty of Humanities	Faculty of Intercultural Studies	2008
		University of Sussex*	School of Education and Social Work	Graduate School of International Cooperation Studies	2010

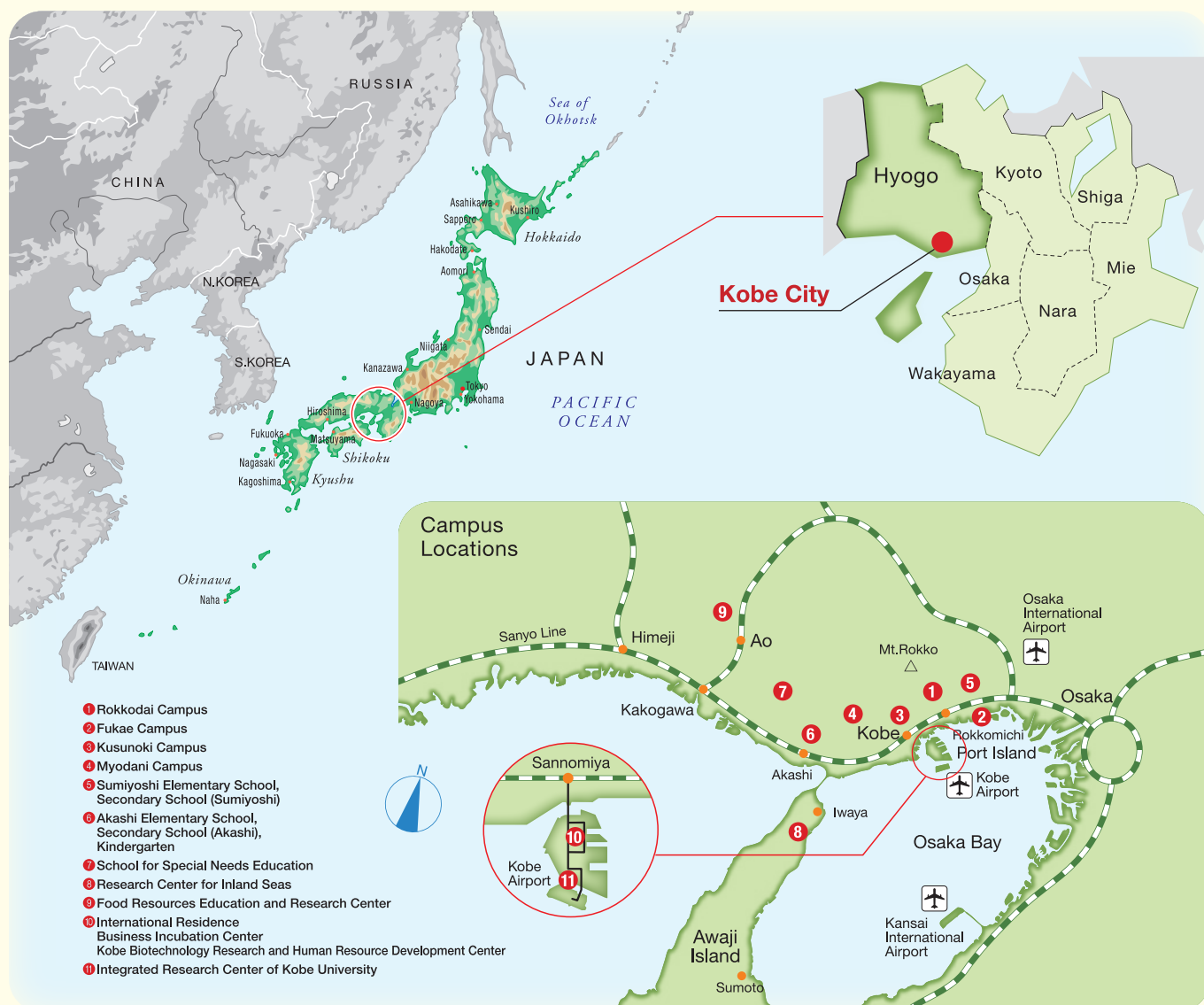
## Memorandum of Understanding

Center for Collaborative Research and Technology Development (CREATE) has concluded Memorandum of Understanding with the following universities on International Technology Transfer and Research Collaboration.

Area	Country/ Region	Overseas University	Center	Year of Conclusion
Asia	China	The Hong Kong University of Science & Technology	Technology Transfer Center	2010
		The Chinese University of Hong Kong	Knowledge Transfer Center	2010
	Taiwan	National Tsing Hua University	Operation Center for Industry Collaboration	2012
Europe	Belgium	University Catholic de Louvain		2012
		University of Leige		2012
		University of Namur		2012
		University of Mons		2012



# Access



## Kobe City

The City of Kobe is the capital of Hyogo Prefecture, which is located in the western part of Honshu, the main island of Japan. It is accessible by land, sea, and is a hub for other domestic and international destinations. From Tokyo it is just 160 minutes by the Nozomi Shinkansen (bullet train), and 75 minutes by plane. Himeji, Kyoto, Nara, and Osaka are all within easy reach of Kobe City.

Ever since it was opened to the world, Kobe City has been known as a cosmopolitan port city where people, goods, and information travel to and from the world. In 2008, Kobe City was granted the title 'City of Design' by UNESCO.

Sandwiched by Mt. Rokko in the north and the Seto Inland Sea in the South, Kobe is blessed with a mild climate averaging 17.1°C (62.8F) with four seasonal changes. The population of Kobe is over 1.5 million including 43,000 foreign residents from as many as 115 different countries. With diverse population of foreign residents and the resulting facilities and amenities established by and for such foreign communities, Kobe is uniquely qualified to support a comfortably refined lifestyle for any individual from any country.





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