

OSAKA UNIVERSITY  
2011 



# Osaka University Ground Plan

– A New Era for Osaka University –

Osaka University traces its beginnings to the Edo Period, to the foundation of Tekijuku in Osaka in 1838. Reaching further back, scientific and educational development in Osaka was enhanced by the establishment of Kaitokudo in 1724 by five local merchants. Osaka University takes pride and inspiration from these two educational institutions, not founded by Japanese feudal lords, but by local citizens. Both Tekijuku and Kaitokudo pursued scientific truth and knowledge while cultivating virtue and socio-cultural awareness in students. Today Osaka University once again recalls its original spirit and prepares to develop it in the modern day.

Osaka University, “an institution open to society,” has a responsibility to society and will fulfill it with the following three mission statements based on the University’s motto “Live Locally, Grow Globally.”

- 1. Create a greater international presence by promoting advanced research, derived from both basic and emergent approaches. Strive to always secure society’s trust by closely cooperating with both government and industry in tackling contemporary social issues and problems.*
- 2. Commit to specialized and disciplined education, while ensuring an education that fosters broader perspectives and comprehensive understanding from the undergraduate through to the graduate levels. Create an education system capable of nurturing scholars and professionals with the capacity to make sound social judgments.*
- 3. Actively carry on the role of mediator and communicator of diverse cultures as an institution of global caliber possessing a strong foothold in the local community.*

These three missions will be kept in the hearts of those who support the University and will be carried out by staff, students, and graduates.

The following is the University's master plan as of 2008. As the University collectively works towards fulfilling these measures, a comprehensive philosophy and a mode of action which we call "Osaka University Style" will be acknowledged. Through such efforts, Osaka University will become a model of excellence in education, research, collaboration with industry, community outreach, and management for universities across the nation. It will build a featured style of activities and operations that is unique. Thus, the pride and identity of being a member of Osaka University will be born and consolidated.

## Research

Strongly focus on research that is *basic*, *exciting*, and *responsible*. Respect fundamental studies while striving to open a new scientific era with groundbreaking research and fulfill its responsibilities by confronting the difficulties that modern day society faces.

Demonstrate the highest level of vitality in research and raise Osaka University's international presence as a world-class institution through active cooperation with domestic and overseas scientific institutions, industries, and public bodies.



## Education

Strengthen the liberal arts education for junior- and senior-year undergraduate students and promote minor programs for graduate students that integrate graduate courses and specialty fields. Train future scholars and professionals not only in highly specialized fields of study but also in comprehensive knowledge to enable them to make positive social judgments. Cultivate the ability to comprehensively deal with problems and their solutions through the development of *Comprehensive Understanding* (the ability to make sound social judgments with broad perspectives), *Synthetic Imagination* (the free play of imagination and the ability to create a network linking people from different fields and social standings), and *Transcultural Communicability* (the ability to communicate with and understand people from various backgrounds and cultures), and through the incorporation of on-site field work in curricula.



## University-Industry Collaboration

Design appropriate organizations and facilities to realize “Industry on Campus,” a base for the creation of new industries through the collaboration between the University and industry.



## University-Community Collaboration

Fulfill the University’s social responsibility as a community-based institution by promoting various cultural and educational activities with citizen groups and NPOs as well as programs of corporate-social responsibility through Osaka University’s “Kaitokudo for the 21st Century.”

## International Exchange

Strengthen education to cultivate global knowledge and sensibility. Based on the successful merger of Osaka University and the former Osaka University of Foreign Studies, undertake bold educational reform to raise the foreign language proficiency of students and promote their participation in study-abroad programs. Promote further the internationalization of the campuses by providing international researchers and students with support appropriate to their research, study, and daily life and by training staff to deepen their international perspective.



## Campus

Develop campuses of “diversity,” “sustainability,” and possessing a pleasant atmosphere that students will remember long after graduation.

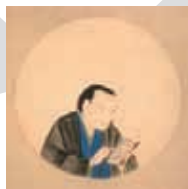
Contribute further to the cultural and industrial development of Osaka by making the University’s Nakanoshima Center the fourth campus of the University and a base for university-industry and university-community collaboration as well as for adult life-long education.



## Publicity and Finance

Implement effective public relations activities that are both targeted at the business community and civil society and that are user-friendly in order to generate stronger support that will contribute to the advancement of the research, education, and social outreach programs of the University. Systematically promote fundraising activities to establish a sound financial base for the University’s teaching, research, and collaboration activities.





Establish these measures above in relation to teaching, research, and collaboration with industry and community as the “Osaka University Style,” in the hope that this Osaka University Style may become a role model for universities all across the nation. Through active participation in this establishment by the faculty, staff, and students, the pride of being “a member of Osaka University” or “an Osaka University student” will certainly be fostered.

November 25, 2008

# Campuses



Toyonaka Campus



Suita Campus



Minoh Campus



Nakanoshima Center

- 1724 Establishment of the Kaitokudo (懷徳堂) (School of General Education)
- 1838 Establishment of the Tekijuku (適塾) (School of Dutch Studies in the Edo Period)
- 1869 Establishment of the hospital supervised by the Ministry of Education (Presently, MEXT)
- 1880 Establishment of the Osaka Prefecture Medical School and the Osaka Prefecture Hospital
- 1896 Establishment of the Osaka Industrial School
- 1915 Establishment of the Osaka Prefecture University Hospital
- 1931 Establishment of the Osaka Imperial University
- 1949 Establishment of Osaka University (new system)
- 2004 Becoming "National University Corporation"
- 2007 Merger with Osaka University of Foreign Studies
- 2011 The 80th anniversary of the founding

# Organization

## Undergraduate Schools

Letters  
Human Sciences  
Foreign Studies  
Law  
Economics  
Science  
Medicine  
Dentistry  
Pharmaceutical Sciences  
Engineering  
Engineering Science

## Graduate Schools

Letters  
Human Sciences  
Law and Politics  
Economics  
Science  
Medicine  
Dentistry  
Pharmaceutical Sciences  
Engineering  
Engineering Science  
Language and Culture  
International Public Policy  
Information Science and Technology  
Frontier Biosciences  
Law School  
United Graduate School of Child Development

## Research Institutes

Research Institute for Microbial Diseases  
Institute of Scientific and Industrial Research  
Institute for Protein Research  
Institute of Social and Economic Research  
Joining and Welding Research Institute

## Joint - Use Facilities

Low Temperature Center  
Research Center for Ultra-High Voltage Electron Microscopy  
Radioisotope Research Center  
Research Center for Environmental Preservation  
Center for International Education and Exchange  
International Center for Biotechnology  
Center for Quantum Science and Technology under Extreme Conditions  
Research Center for Solar Energy Chemistry

Museum of Osaka University  
Institute for Higher Education  
Research and Practice

Center for Advanced Science and  
Innovation

Health Care Center

The Center for Advanced Medical  
Engineering and Informatics

Center for the Study of  
Communication-Design

Center for the Study of Finance and  
Insurance

Renovation Center of Instruments for  
Science Education and Technology

Global Collaboration Center

Research Institute for World Languages

Center for Japanese Language and  
Culture

The Center for Environmental  
Innovation Design for Sustainability

Institute for NanoScience Design

Intellectual Property Center (I Prism)

### **National Joint-Use Facilities**

Research Center for Nuclear Physics

Cybermedia Center

Institute of Laser Engineering

### **University Libraries**

Main Library

Life Sciences Library

Science and Engineering Library

International Studies Library

### **Hospitals**

Osaka University Hospital

Osaka University Dental Hospital

### **World Premier International Research Center**

Immunology Frontier Research  
Center

### **Center for Interdisciplinary Research and Education**

### **Kaitokudo for the 21st Century**

### **Supervisory Office for Overseas Centers for Education and Research**

San Francisco Center for Education  
and Research

Groningen Center for Education and  
Research

Bangkok Center for Education and  
Research

Shanghai Center for Education and  
Research

### **Osaka University Nakanoshima Center**

(as of May 1, 2010)

## Facts & Figures

### Number of Students

( ) international Students

<b>Regular Students</b>	Undergraduate	15,865	(246)	<b>23,789 (1,182)</b>	
	Graduate	Master Course	4,541		(456)
		Doctor Course	3,117		(479)
		Law School	266		( 1)
<b>Non-Regular Students</b>				<b>1,061 (426)</b>	
<b>Ground Total</b>				<b>24,850 (1,608)</b>	

### Number of Staff

<b>Full-Time Staff</b>	Academic	Professor	884	<b>3,106</b>
		Associate Professor	806	
		Associate Professor(Lecturer)	203	
		Others	1,213	
	Non-Academic	Administrative Staff	1,022	<b>2,478</b>
		Technical Staff	287	
		Medical Staff	1,169	
<b>Part-Time Staff and Others</b>				<b>3,333</b>
<b>Ground Total</b>				<b>8,917</b>

(as of May 1, 2010)

## Budget

### Revenue

<b>Management Expense Grants</b>		<b>49,891</b>
<b>Facility Maintenance Expenses</b>		<b>7,599</b>
<b>Revenue from Government Grants and Other Funding</b>		<b>7,800</b>
<b>National University Financial and Administrative Center Facility Funds</b>		<b>122</b>
<b>Independent Revenue</b>	Tuition/Enrollment/Application Fees Revenue	13,343
	Osaka University Hospital Revenue	29,995
	Miscellaneous	3,226
<b>University-Industry Cooperative Research Revenue</b>		<b>16,782</b>
<b>Long-Term Loan Revenue</b>		<b>1,419</b>
<b>Total</b>		<b>130,177</b>

### Expenditure

<b>Administrative Affairs Expenses</b>	Education and Research Expenses	63,226	<b>90,893</b>
	Hospital Examination Expenses	27,667	
<b>Facility Maintenance Expenses</b>		<b>9,140</b>	
<b>Subsidy Expenditure</b>		<b>7,800</b>	
<b>University-Industry Cooperative Research Expenses and Endowment Project Expenses</b>		<b>16,782</b>	
<b>Long-Term Loan Redemption Expenses</b>		<b>5,562</b>	
<b>Total</b>		<b>130,177</b>	

(FY 2010,in millions of Yen)

### **Funding Program for World-Leading Innovative R&D on Science and Technology (FIRST Program)**

**Comprehensive Understanding of Immune Dynamism :Toward Manipulation of Immune Responses**

Program Leader: Professor, AKIRA Shizuo

[akira-pj.lserp.osaka-u.ac.jp/en/](http://akira-pj.lserp.osaka-u.ac.jp/en/)

**Research and Development of Innovative Nano-Devices based on Single-Molecule DNA Sequencing**

Program Leader: Specially Appointed Professor, KAWAI Tomoji

[www.kawaisaientan.osaka-u.ac.jp/](http://www.kawaisaientan.osaka-u.ac.jp/)

### **World Premier International Research Center**

**Immunology Frontier Research Center**

Director : Professor, AKIRA Shizuo

[www.ifrec.osaka-u.ac.jp/index-e.php](http://www.ifrec.osaka-u.ac.jp/index-e.php)

### **Global COE ([www.osaka-u.ac.jp/en/research/coe.html](http://www.osaka-u.ac.jp/en/research/coe.html))**

〈Programs Selected in 2009/2008〉

**Center of Human-friendly Robotics Based on Cognitive Neuroscience**

Program Leader : Professor, ISHIGURO Hiroshi

**Frontier Biomedical Science Underlying Organelle Network Biology**

Program Leader : Professor, YONEDA Yoshihiro

**Core Research and Engineering of Advanced Materials-Interdisciplinary Education Center for Materials Science-**

Program Leader : Professor, KITAOKA Yoshio

**A Center of Excellence for Atomically Controlled Fabrication Technology**

Program Leader : Professor, YAMAUCHI Kazuto

**Human Behaviour and Socioeconomic Dynamics**

Program Leader : Professor, OHTAKE Fumio

## Degree Programs in English

### New Programs

- Human Sciences All-English Undergraduate Degree Program (BA) (To commence in October 2011)
- Chemistry-Biology Combined Major Program (BS/BE)
- Special Integrated Science Course (MS/Ph.D.)
- International Physics Course (MS/Ph.D.)

### Ongoing Graduate Degree Programs

- Frontier Biotechnology
- “Engineering Science 21st Century” Program
- Naval Architecture and Ocean Engineering
- Quantum Engineering Design

## Short-Term Non-Degree Programs

- OUSSEP
- Maple
- FrontierLab@OsakaU
- Regular Short-Term Exchange Programs

## Support

### Support Office for International Students and Scholars ([www.rcnp.osaka-u.ac.jp/osaka-ip/supportoffice/](http://www.rcnp.osaka-u.ac.jp/osaka-ip/supportoffice/))

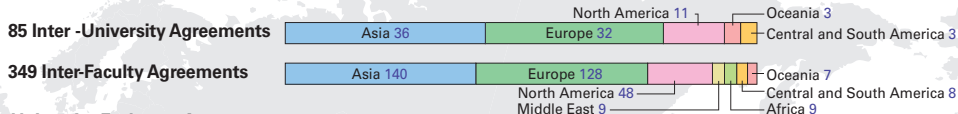
offers various types of assistance for international students, scholars

### GCN-Osaka ( [www.gcn-osaka.jp/](http://www.gcn-osaka.jp/) )

Online community site for international students and scholars

# International Exchange

## Academic Exchange Agreements [www.osaka-u.ac.jp/en/guide/international/exchange](http://www.osaka-u.ac.jp/en/guide/international/exchange)



### Inter-University Exchange Agreements

**Country / Region**  
 University/Institution \*  
 (\* Mutual Tuition Waivers may be implemented)

#### Austria

The University of Vienna \*

#### Australia

Monash University \*  
 The Australian National University \*  
 The University of Queensland \*

#### Belgium

Université catholique de Louvain (UCL) \*

#### Brazil

Universidade de São Paulo \*

#### Canada

Canada-Japan Strategic Student Exchange Program \*  
 McGill University \*  
 McMaster University \*  
 The Conference of Rectors and Principals of Quebec Universities  
 University of British Columbia \*

#### China

Beijing Normal University \*  
 Fudan University \*  
 Nanjing University \*  
 Peking University \*  
 Shanghai Jiao Tong University \*  
 Tsinghua University \*  
 Tongji University \*  
 Wuhan University \*  
 Xi'an Jiaotong University \*  
 Zhejiang University \*

#### Denmark

The University of Copenhagen \*

#### Finland

Åbo Akademi University

#### France

Centre National de la Recherche Scientifique  
 Consortium Français du Collège Doctoral Franco-Japonais (CDFJ) \*  
 École Nationale Supérieure de Chimie de Paris \*  
 Grenoble Universités (Consortium of Universities in Grenoble) \*  
 Pierre & Marie Curie University \*  
 University of Strasbourg \*

#### Germany

Bielefeld University \*  
 Friedrich-Alexander Universität Erlangen-Nürnberg \*  
 Heidelberg University \*  
 Johann Wolfgang Goethe-Universität Frankfurt am Main \*  
 Ludwig-Maximilians- University of Munich \*  
 Ruhr –University Bochum \*  
 RWTH Aachen University \*  
 Technische Universität München \*  
 University of Augsburg \*

#### Indonesia

Institut Teknologi Bandung \*

#### Korea

Changwon National University \*  
 Chonnam National University \*  
 Chung-Ang University \*  
 Chungnam National University \*  
 Gyeongsang National University \*  
 Hanyang University \*  
 Pusan National University \*  
 Seoul National University \*  
 Yonsei University

### Mexico

National Autonomous University of Mexico \*

### Mongolia

National University of Mongolia \*

### Netherlands

Delft University of Technology \*  
University of Groningen \*

### Peru

Pontifical Catholic University of Peru \*

### Philippines

Ateneo de Manila University \*  
De La Salle University \*  
University of the Philippines \*

### Russia

Saint Petersburg State University \*

### Spain

Universidad Autónoma de Madrid \*  
University of Valladolid \*

### Sweden

Karolinska Institutet  
Royal Institute of Technology (KTH) \*  
University of Gothenburg \*

### Switzerland

École Polytechnique Fédérale de Lausanne (EPFL) \*

### Taiwan

National Cheng Kung University \*  
National Taiwan University \*  
National Tsing Hua University \*

### Thailand

Chiang Mai University \*  
Chulalongkorn University \*  
Department of Medical Sciences, Ministry of Public Health  
Kasetsart University \*  
King Mongkut's University of Technology Thonburi \*  
Mahidol University \*  
Thammasat University \*

### UK

The University of Nottingham \*  
The University of Sheffield \*  
University College London

### USA

Cornell University  
Nazareth College of Rochester \*  
Texas A&M University \*  
University of California \*  
University of Washington \*  
Wesleyan College \*

### Vietnam

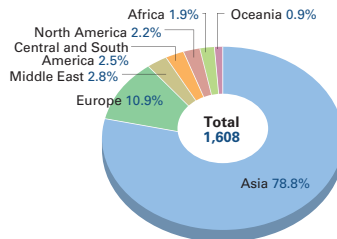
Vietnam National University- Ho Chi Minh City  
Vietnam National University, Hanoi \*

### Others

The Industrialised Countries Instrument Education Cooperation Programme \*

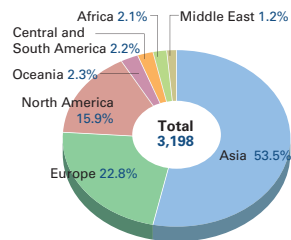
(as of November 1, 2010)

## Number of International Students



(as of May 1, 2010)

## Number of Visiting International Researchers



(FY 2009)



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