

OSAKA UNIVERSITY PROSPECTUS 2010





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.

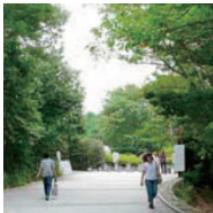
Contribute further to the cultural and industrial development of Osaka by making the University’s Nakanoshima Center the fourth campus of the University and a base for university-industry and university-community collaboration as well as for adult life-long education.



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

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
- International Student Center
- 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
- Sustainability Design Center
- Institute for NanoScience Design

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

Osaka University Nakanoshima Center

(as of May 1, 2009)

Facts & Figures

Number of Students

() international Students

Regular Students	Undergraduate	15,937 (245)	23,793 (1,059)	
	Graduate	Masters Course		4,513 (393)
		Doctors Course		3,343 (421)
Non-Regular Students			1,073 (396)	
Ground Total			24,866 (1,455)	

Number of Staff

Full-Time Staff	Academic	Professor	886	3,062
		Associate Professor	826	
		Associate Professor (Lecturer)	184	
		Others	1,166	
	Non-Academic	Administrative Staff	967	2,404
		Technical Staff	285	
		Medical Staff	1,152	
Part-Time Staff and Others				3,244
Ground Total				8,710

(as of May 1, 2009)

Revenue

Management Expense Grants			50,366
Facility Maintenance Expenses			4,969
Revenue from Government Grants and Othe Funding			6,879
Independent Revenue	Tuition/Enrollment/Appilication Fees Revenue	13,552	44,734
	Osaka University Hospital Revenue	28,687	
	Miscellaneous	2,495	
University-Industry Cooperative Research Revenue			14,653
Others			6,518
Total			128,119

Expenditure

Administrative Affairs Expenses	Education and Research Expenses	55,632	81,983
	Hospital Examination Expenses	26,351	
General Management Expenses			11,909
Facility Maintenance Expenses			7,040
Subsidy Expenditure			6,879
University-Industry Cooperative Research Expenses and Endowment Project Expenses			14,653
Long-Term Loan Redemption Expenses			5,655
Total			128,119

(FY2009, in millions of Yen)

Foothold on Frontier Research

World Premier International Research Center <http://www.ifrec.osaka-u.ac.jp/index-e.php>

Center name	Director
Immunology Frontier Research Center	AKIRA Shizuo

Global COE <http://www.osaka-u.ac.jp/en/research/coe.html>

Program title	Program leader
Center of Human-friendly Robotics Based on Cognitive Neuroscience	ISHIGURO Hiroshi
Frontier Biomedical Science Underlying Organelle Network Biology	YONEDA Yoshihiro
Core Research and Engineering of Advanced Materials -Interdisciplinary Education Center for Materials Science	KITAOKA Yoshio
A Center of Excellence for Atomically Controlled Fabrication Technology	YAMAUCHI Kazuo
Human Behaviour and Socioeconomic Dynamics	OHTAKE Fumio
System Dynamics of Biological Functions	YANAGIDA Toshio
Global Education and Research Center for Bio-Environmental Chemistry	FUKUZUMI Shunichi
Center of Excellence for Advanced Structural and Functional Materials Design	KAKESHITA Tomoyuki
Center of Excellence for Founding Ambient Information Society Infrastructure	MURATA Masayuki
Center for Electronic Devices Innovation	TANIGUCHI Kenji
A Research Base for Conflict Studies in the Humanities	KOIZUMI Junji
A Center of Excellence for an in Silico Medicine- Oriented Worldwide Open Platform	NOMURA Taishin

Degree Programs in English

New Programs

- Human Sciences Course (BA) (To commence in Apr. 2011)
- Chemistry/Biology Double Major Course(BS) (To commence in Oct. 2010)
- Special Integrated Science (MS/Ph.D.) (To commence in Oct. 2010)
- International Physics Course (MS/Ph.D.) (To commence in Oct. 2010)

Ongoing Graduate Degree Programs

- Frontier Biotechnology (http://www.mls.eng.osaka-u.ac.jp/FB_inter_prog/FB_inter_prog.html)
- Engineering Science (<http://www.es.osaka-u.ac.jp/eng/gradadm/index.html>)
- Naval Architecture and Ocean Engineering (<http://www.naoe.eng.osaka-u.ac.jp/eng/>)
- Quantum Engineering & Design (<http://www.dyn.ap.eng.osaka-u.ac.jp/QEDC/>)

Short-Term Non-Degree Programs

- FrontierLab@OsakaU (<http://www.osaka-u.ac.jp/jp/international/iab/e/FrontierLab.html>)
A Program for international students seeking a challenging, short-term upgrading of vital research and analytical skills.
- OUSSEP (<http://ex.isc.osaka-u.ac.jp/oussep/eindex.html>)
Short-term Student Exchange Program, provides liberal arts subjects to international students in English.
- Maple (<http://www.cjlc.osaka-u.ac.jp/programs/m/index.html>)
One-year program specifically designed to help students improve their Japanese language skills and enhance their knowledge of Japanese culture and society.
- Regular Short-term Exchange Programs (<http://www.gcn-osaka.jp/exchange/pdf/RE.pdf>)
- Japanese Studies Program (<http://www.cjlc.osaka-u.ac.jp/programs/j/index.html>)

International Exchange

Academic Exchange Agreements (as of September 1, 2009)

74 Inter-University Agreements



310 Inter-Faculty Agreements



Inter-University Agreements

Finland

- * Åbo Akademi University

Sweden

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

Denmark

- * The University of Copenhagen

UK

- University College London
- * The University of Nottingham

Netherlands

- * Delft University of Technology
- * University of Groningen

Switzerland

- * École Polytechnique Fédérale de Lausanne (EPFL)

Belgium

- * Université catholique de Louvain (UCL)

Spain

- * Universidad Autónoma de Madrid
- * University of Valladolid

Germany

- * Friedrich-Alexander Universität Erlangen-Nürnberg
- * Ludwig-Maximilians-University of Munich
- * RWTH Aachen University
- * Technische Universität München
- * University of Augsburg

France

- Centre National de la Recherche Scientifique (CNRS)
- * 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

Others

- The Industrialised Countries Instrument
- * Education Cooperation Programme - Germany, Netherlands, Sweden

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

Philippines

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

Mongolia

- * National University of Mongolia

Vietnam

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

Indonesia

- * Institut Teknologi Bandung

Australia

- * The Australian National University
- * Monash University

Korea

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

China

- * Fudan University
- * Nanjing University
- * Peking University
- * Shanghai Jiao Tong University
- * Tsinghua University
- * Wuhan University
- * Xi'an Jiaotong University
- * Zhejiang University

Taiwan

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

Canada

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

USA

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

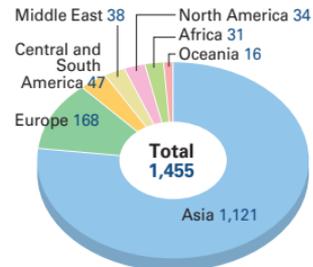
Mexico

- * National Autonomous University of Mexico

Peru

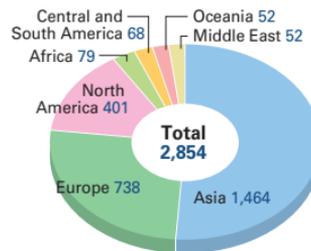
- * Pontifical Catholic University of Peru

Number of International Students



(as of May 1, 2009)

Number of International Researchers



(FY 2008)



OSAKA UNIVERSITY

www.osaka-u.ac.jp



Support Office for International Students and Scholars

<https://55099zzwd.coop.osaka-u.ac.jp/SupportOffice/eng/home>

Support in visa applications, application for certificate of eligibility for status of residence

Residential assistance

Providing other various information

GCN-Osaka <http://www.gcn-osaka.jp/>

Online community site for international students and scholars

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JAPAN

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