



OSAKA UNIVERSITY



OSAKA UNIVERSITY'S GLOBAL COMMITMENT AND STRATEGIES

Live Locally, Grow Globally



International Affairs Board
July 2009



HISTORY OF OSAKA UNIVERSITY



1724	Establishment of the Kaitokudo (懐徳堂) (School of General Education)
1838	Establishment of the Tekijuku (通塾) (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

KAITOKUDO (懐徳堂)

an Edo-period school for citizens founded in 1724



- The open-minded and progressive tradition of Osaka merchant culture
- Offered an opportunity to study regardless of one's social standing
- In pursuit of spiritual and intellectual advancement rather than material wealth



Kaitokudo

© Kaitokudo Kinenkai

TEKIJUKU (適塾) a private academy of Dutch Studies founded in 1838

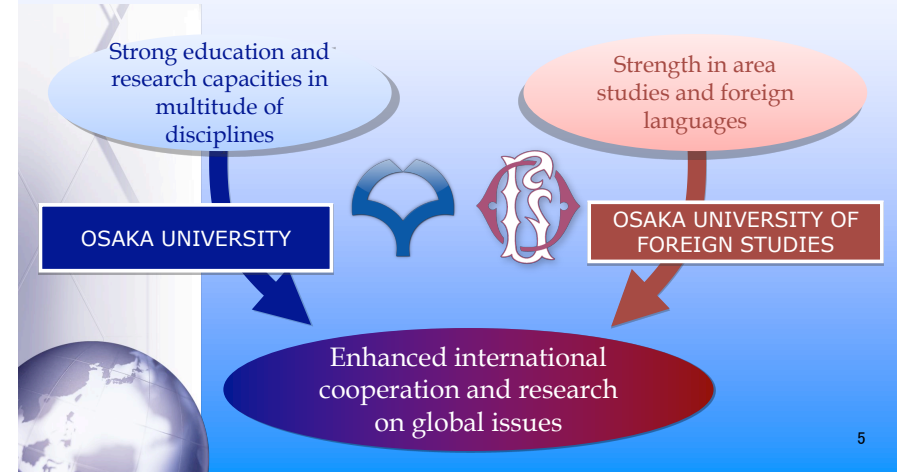


- Founded by Ogata Koan, a prominent medical doctor in 1838
- Graduates became bearers in modernizing Japan after the Meiji Restoration
- Science faculties, especially the Faculty of Medicine at Osaka University, trace their origin back to the academic tradition of *Tekijuku*



THE MERGER OF OSAKA UNIVERSITY with Osaka University of Foreign Studies (Oct. 2007)

Combination and Effective Use of Resources of Two Universities



FACULTIES & SCHOOLS/GRADUATE SCHOOLS

10 Graduate Schools		6 Independent Graduate Schools	
Letters	Medicine	Language and Culture	
Human Sciences	Dentistry	International Public Policy	
Law and Politics	Pharmaceutical Sciences	Information Science and Technology	
Economics	Engineering	Frontier Biosciences	
Science	Engineering Science	Law School	
		United Graduate School of Child Development (with Kanazawa University and Hamamatsu University School of Medicine)	
11 Undergraduate Schools			
Letters	Medicine		
Human Sciences	Dentistry		
Foreign Studies	Pharmaceutical Sciences		
Law	Engineering		
Economics	Engineering Science		
Science			



INSTITUTES & FACILITIES

5 Research Institutes		2 University Hospitals	
Research Institute for Microbial Diseases			
Institute of Scientific and Industrial Research		4 Libraries	
Institute for Protein Research			
Institute of Social & Economics Research		24 Joint-Use Facilities	
Joining & Welding Research Institute		International Center for Biotechnology	
		Institute of Laser Engineering	
		Cybermedia Center	
		Global Collaboration Center	
		⋮	

NUMBER OF STUDENTS FACULTY & STAFF



Osaka University has the largest number of Undergraduate Students among National Universities in Japan.

Number of Students

Undergraduate		15,936
Graduate	Master Course	4,512
	Doctor Course	3,045
	Law School	297
Grand Total		23,790

Number of Faculty and Staff

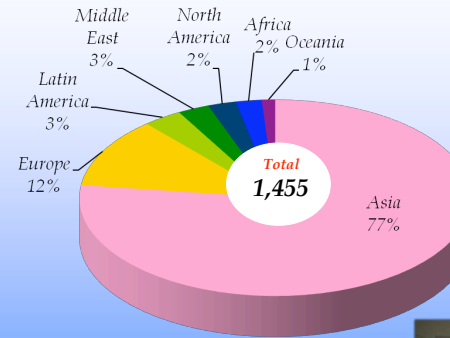
Academic Staff		2,953
Non-academic Staff	Permanent Staff	2,404
	Temporary Staff	3,244
Grand Total		8,601

(As of May 2009)

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INTERNATIONAL STUDENTS



Asia	1,121
Europe	168
Latin America	47
Middle East	38
North America	34
Africa	31
Oceania	16
Total	1,455

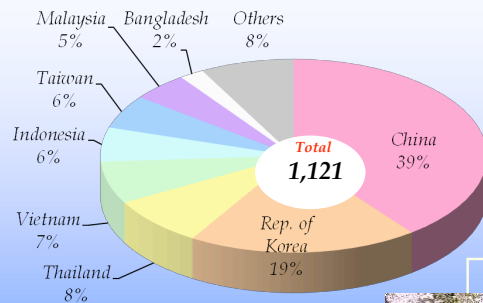
(As of May 1, 2009)



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ASIAN STUDENTS



Top 5 of Asian Students

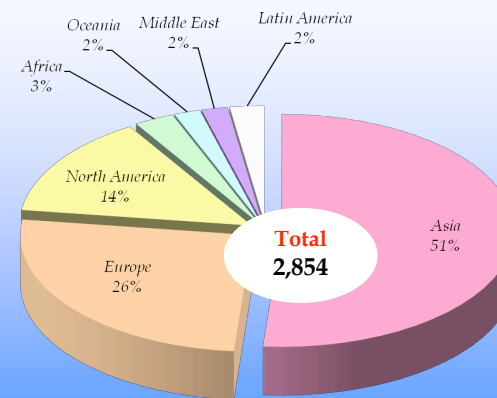
China	443
Rep. of Korea	215
Thailand	92
Vietnam	79
Indonesia	64

(As of May 1, 2009)



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INTERNATIONAL SCHOLARS



Top 5 Countries

Rep. of Korea	438
China	392
U.S.A.	359
Thailand	226
Germany	144

(Fiscal Year 2008)

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ACADEMIC EXCHANGE AGREEMENTS WITH INSTITUTIONS ABROAD



- 3 Overseas Centers for Education and Research
- 73 Inter-University Agreements (Asia 33, Europe 25, North America 11....etc)
- 303 Inter-Faculty Agreements

(As of July 2009)



GLOBAL COLLABORATION CENTER

Joint Establishment by OU and OUFs



Osaka University's hub for cooperation and network building



Established in 2007



KAITOKUDO FOR THE 21st CENTURY

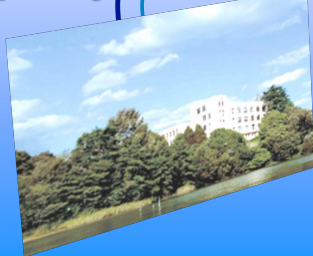
to strengthen Osaka University's Community Outreach



Communication Gallery



Collaboration with the local governments, industries, non-profit organizations, foundations, citizens and local communities



Multi-purpose theater

WORLD PREMIER INTERNATIONAL RESEARCH CENTER INITIATIVE



GLOBAL COE PROGRAM



The next generation of COE by the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT)

	Field	Program Title	Program Leader
FY 2007	Life Sciences	System Dynamics of Biological Function	Prof. YANAGIDA Toshio
	Chemistry / Material Sciences	Global Education and Research Center for Bio-Environmental Chemistry	Prof. FUKUZUMI Shunichi
		Center of Excellence for Advanced Structural and Functional Materials Design	Prof. KAKESHITA Tomoyuki
	Information Sciences / Electrical and Electronic Sciences	Center of Excellence for Founding Ambient Information Society Infrastructure	Prof. NISHIO Shojiro
		Center for Electronics Devices Innovation	Prof. TANIGUCHI Kenji
	Humanities	A Research Base for Conflict Studies in the Humanities	Prof. KOIZUMI Junji
FY 2008	Interdisciplinary / Combined Fields / New Disciplines	A Center of Excellence for an in silico Medicine-Oriented Worldwide Open Platform	Prof. NOMURA Taishin
	Medical Sciences	Frontier Biomedical Sciences Underlying Organelle Network Biology	Prof. YONEDA Yoshitiro
FY 2009	Mathematics, Physics, Earth Sciences	Core Research and Engineering of Advanced Materials-Interdisciplinary	Prof. KITAOKA Yoshio
	Mechanical, Civil Engineering, Architectural and Other Fields of Engineering	Centre of Excellence for Atomically Controlled Fabrication Technology	Prof. YAMAUCHI Kazuto
	Social Sciences	Human Behavior and Socioeconomic Dynamics	Prof. OHTAKE Fumio
	Interdisciplinary / Combined Fields / New Disciplines	Center of Future Engineering based on Understanding of Cognitive Brain	Prof. ISHIGURO Hiroshi

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GLOBAL COE PROGRAM

Global Education and Research Center for Bio-Environmental Chemistry

Launched in 2007



Prof. Shunichi FUKUZUMI



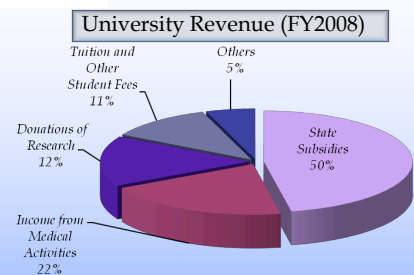
Save the Earth

The specific objective of the Global Education and Research Center for Bio-Environmental Chemistry is to establish a new integrated framework of not only pure and applied chemistry but also biotechnology focusing on energy conversion, environmentally benign synthesis, molecular information and dynamics, chemical biology and biotechnology.

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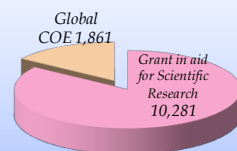
REVENUE & RESOURCES FOR RESEARCH



State Subsidies	51,020
Income from Medical Activities	23,964
Donations for Research	15,151
Tuition and Other Students Fees	13,589
Others	15,379
Total	119,103 Million Yen (US\$ 1,215 M)

MEXT & JSPS Grant

MEXT: Ministry of Education, Culture, Sports Science & Technology
JSPS: Japan Society for the Promotion of Science



Grant-in-aid for Scientific Research (FY2008)	10,281
Global COE (FY2008)	1,861
Total	12,142 Million Yen (US\$ 123 M)

*Not including figures from Osaka University of Foreign Studies before the merger.
*1US\$ = 98Yen (June 1, 2009)

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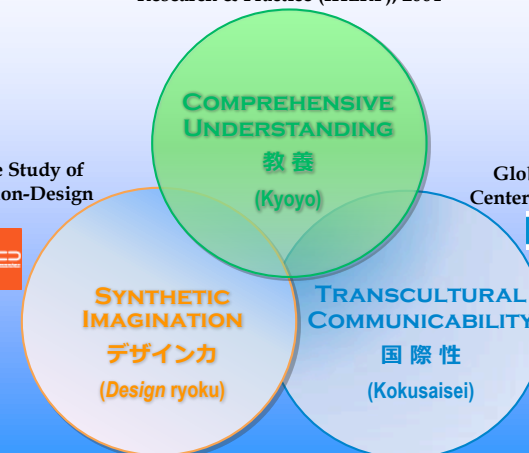
THREE EDUCATIONAL GOALS OF OSAKA UNIVERSITY



Institute for Higher Education Research & Practice (IHERP), 2004

Center for the Study of Communication-Design (CSCD), 2005

Global Collaboration Center (GLOCOL), 2007



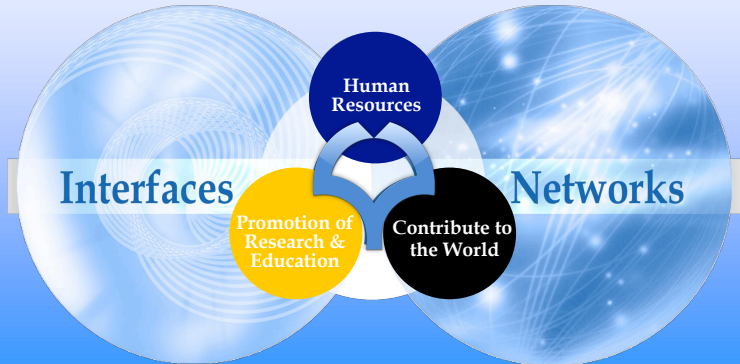
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OSAKA UNIVERSITY'S GLOBAL COMMITMENT & STRATEGIES



“Global Outlook and Commitment to the World Community”

Osaka University as a hub for scholarly exchange where people and ideas gather from all over the world



THREE GOALS FOR INTERNATIONALIZATION

A University Open to the World

- Promoting research collaborating with scholars and institutions overseas and sharing the research results for the benefit of global society
- Promoting education that fosters transcultural communicability and encourages constructive, creative action
- Building regional academic communities in Asia and working for human security and sustainable development



INTERNATIONAL AFFAIRS BOARD

Administrative Organization

(As of April 1, 2009)



THE OSAKA UNIVERSITY FORUM

Dissemination of Major Research Achievements



The **Osaka University Forum** was initiated by former President Dr. Kishimoto and is an annual symposium that brings together international science leaders to explore trends and specific areas of current research work. Sponsored by Osaka University, the forum has been hosted at various famous academic venues around the world.

2002	<i>Life Science (Washington, D.C.)</i>
2003	<i>Nano Science and Nano Technology (Munich)</i>
2004	<i>Biologically Inspired Information Technology (Lausanne)</i> <i>Les sciences humaines de l'interface: le Japon, d'autres visages (Strasbourg)</i>
2005	<i>Frontiers of Basic Science (Hanoi)</i>
2006	<i>Frontier Biomedical Research and Beyond (San Diego)</i>
2007	<i>Frontiers of Economics and its Applications (Groningen)</i>
2008	<i>Bio-Environmental Chemistry (San Francisco)</i>
2009	<i>The 21st Century Approach to Japanese Studies Programmes in Southeast Asia (Kuala Lumpur, November 2009)</i>

Project for Establishing Core Universities for Internationalization

- The 300,000 International Students Plan (MEXT, 2008)
- Increase the number of international students in Japanese universities as well as Japanese students studying abroad
- Osaka University selected as Core University among 13 universities (MEXT, 2009)

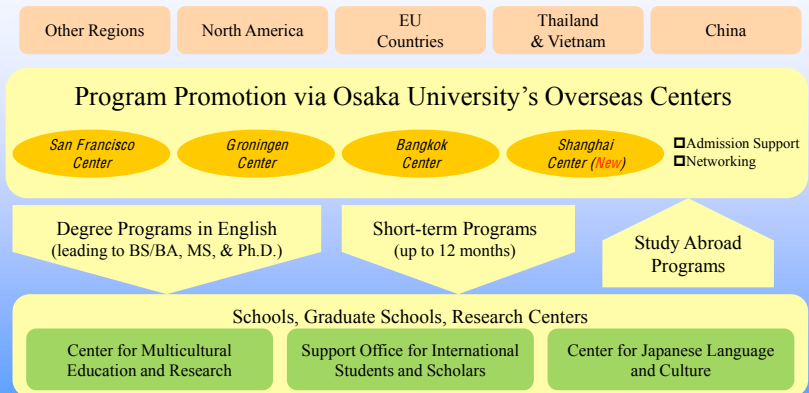
New English-language Courses

Human Sciences (undergraduate) **April 2011**

Chemistry/Biology Double Major (undergraduate) **October 2010**

Special Integrated Science (graduate) **October 2010**

Physics International Course (PIC) (graduate) **October 2010**



Boosting the internationalization of Osaka University by dramatically increasing the number of international students

 DEVELOPING EDUCATIONAL PROGRAMS

Developing Educational Programs for international students (incoming) and for regular students (outgoing)

Short-term Programs for International Students

OUSSEP
OURSEP
Maple
FrontierLab@OsakaU

Degree Programs in English

Biotechnology
Quantum Engineering
Naval Architecture and
Ocean Engineering
Engineering Science

Participation in Student Mobility Programs

Erasmus Mundus Master Program
ICI-ECP
JSPS ITP

DEVELOPING EDUCATIONAL PROGRAMS for International Students 

Providing Various Programs that Answer the Needs of International Students

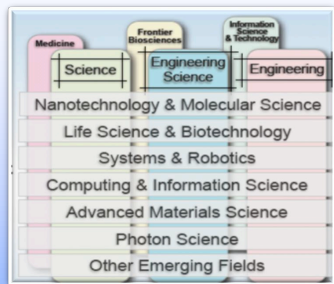


FRONTIERLAB@OSAKAU

Short-Term Program for International Students



Launched October 2008, UC-EAP recognized



For Students seeking upgrade research and analysis skills
 Emphasizing hands on laboratory experience
 Interactive, experimental learning
 In English or Japanese
 Both Undergraduate and Graduate Level



2008 Fall: 31 students enrolled

2009 Spring: 22 students enrolled



DEVELOPING EDUCATIONAL PROGRAMS for International Students

Graduate School of Engineering Science

- **Graduate Program in English**
 "21st Century Engineering Science"
 MSc and PhD courses
 Monbukagakusho Scholarship from 2007
- **Joint MSc and Sandwich PhD Program**
 Vietnamese Academy of Science and Technology
 Vietnam National University, Hanoi
 (15 students/year)
- **"MIRAI LAB" Student Activities Overseas**
 Vietnam (2002), Switzerland (2003),
 USA (2004-2006), Thailand (2006),
 Germany & France (2007), Germany, USA (2008)
- **Scientific Seminars and Meetings in Osaka for International Student Exchange**
 Indonesia (2003), Vietnam (2004-2009),
 Thailand (2006-2007)



ICI ECP INTERFACES

Industrialized Countries Instrument education Cooperation Program

"International Exchange Program for Advanced Students in Natural Sciences EU-Japan" funded by EC and JASSO

1. Enhance collaboration among partner universities between Europe and Japan
2. Stimulate student mobility between EU and Japanese partners by mutual recognition of qualifications, study periods, and credit portability
3. Stimulate mobility of scientists/academics between EU and Japanese partners

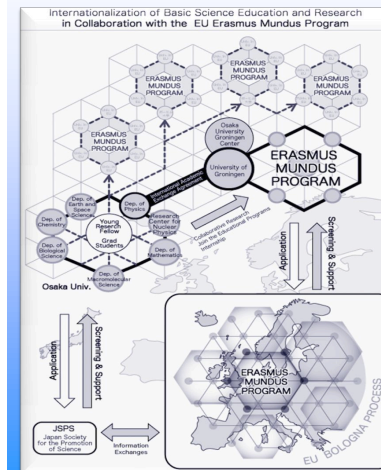


7 大学連携；ヨーロッパ 4大学・日本 3大学による、コンソーシアム
 7 Universities; 4 European Universities Consortium, 3 Japanese Universities Consortium



ITP for International Students and Scholars

"International Training Program for Young Scientists" at OU-GSS funded by JSPS



- "Collaboration Project with the EU Erasmus Mundus Program for the Internationalized Education and Research of Basic Science"
- A 5-year program, Nov. 1, 2007~Oct. 31, 2012
- Utilizing Osaka University Graduate School of Science "Research Power" as starter fuel to initiate collaboration with first class European Universities

- Our actions are;
1. To send young talents to first class European Universities for research communication
 2. To collaborate with European International Education Programs
 3. To internationalize OU-GSS Education/Research Environments

SCHOLARSHIPS for International Students



	2003	2004	2005	2006	2007	2008
JASSO SCHOLARSHIP						
Osaka University	43	36	29	28	28	72
Osaka U. of Foreign Studies	20	23	18	19	21	
Subtotal	63	59	47	47	49	72
OU Scholarship						
Osaka University				5	22	20
Grand Total	63	59	47	52	71	92

Target : Exchange Students who will study for 3 to 12 months *1US\$ = ¥107.39 Feb.2008*
 Content : Amount given monthly US\$ 747.6/month
 Initial Assistance US\$ 1,401.8 (except OU Scholarship)

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SUPPORT SYSTEM for International Students and Scholars

Support Office for International Students & Scholars

Established in October 2007



- Assistance on Housing
- Application for Certificate of Eligibility for Status of Residence
- Information Service for International Students and Scholars

GCN-Osaka: Community Site for International Students & Researcher

In operation since May 2004
 over 5,500 registered members



- Online Study Materials for Learning Japanese
- Multilingual BBS
- Housing Information
-etc

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OVERSEAS CENTERS FOR EDUCATION & RESEARCH

Grow Globally

The Netherlands
Groningen Center for Education and Research (2005)

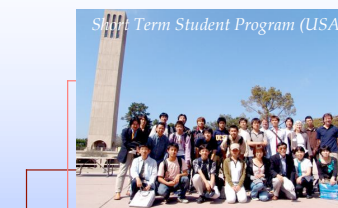
USA
San Francisco Center for Education and Research (2004)

Japan
Osaka University

Thailand
Bangkok Center for Education and Research (2006)

To enhance international collaboration in all fields of research and to conduct student exchange based on academic exchange agreements with distinguished universities and institutions worldwide.

ROLES & TASKS OF OVERSEAS CENTERS



- To promote research collaboration and student exchange
- To facilitate and support ongoing research and educational programs/initiatives
- To provide information and support for prospective students
- To provide education and training for young researchers
- To promote research collaboration in key areas (i.e. biology, infectious diseases control, environment, etc.)
- To organize seminars and symposiums
- To function as "Alumni Center"

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JAPANESE UNIVERSITIES IN THE WORLD UNIVERSITY RANKING



■ Osaka University placed 44th in THE-QS WORLD University Ranking (2008)

	THE-QS*			IHE, Shanghai Jiao Tong University**			Thomson Scientific***			Newsweek	
	'06	'07	'08	'06	'07	'08	'07	'08	'09	'06	'07
Osaka University	70	46	44	61	67	68	34	33	34	57	57
The University of Tokyo	19	17	19	19	20	19	13	12	11	14	16
Kyoto University	29	25	25	22	22	23	30	28	30	25	29
Tohoku University	168	102	112	76	76	79	70	65	64	69	68
Tokyo Institute of Technology	118	90	61	89	99	101-151	163	162	165	-	-

* THE-QS World University Ranking (The Times Higher Education)

** Institute of Higher Education, Shanghai Jiao Tong University

*** The ranking is based on the analysis of Essential Science Indicators on 2007(1996-2006), 2008(1997-2007) and 2009(1998-2008).

OSAKA UNIVERSITY

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