

CITY

Osaka City University Official Magazine



UNIVERSITY

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OSAKA



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OCU QUICK FACTS



RANKING

- **Times Higher Education World University Rankings: #14 of universities in Japan**
- **OCU students #1 most popular with human resource managers in West-Japan (and #7 nationwide)**

Source: 「価値ある大学 2017 年版 就職力ランキング」 (Employability ranking of universities 2017) by Nikkei HR, Inc.

Type: Public University

Location: Osaka, Japan

Number of Students: 6,585 undergraduate, 1,694 graduate

Number of Teaching Staff: 711

Website: <http://www.osaka-cu.ac.jp/en>

EDUCATION

In all of OCU's faculties emphasis is placed on small grouped tutorials and seminars, so teaching staff is easily approachable and students can freely lay down their questions. Students get fundamental knowledge in their subject, making them ready to start practicing in their field after graduation or to continue their studies in graduate school. OCU offers excellent facilities such as the Media Center and its library, which is one of the leading library facilities in Japan.



RESEARCH

In line with its mission as a city university, OCU carries out university-wide research into issues that affect urban areas, in the widest sense of the word. Three leading university research projects are in the fields of new-generation energy, health science and disaster management. OCU is proud of its top class research reputation that is reflected by the number of research projects granted by the Japanese Ministry of Education, Culture, Sports, Science and Technology.



STUDENT SUPPORT

The Global Exchange Office of OCU supports our international students with their visa application, student housing and daily life. We also organize regular international exchange events to give students the opportunity to make new friends and we invite our international students for a day-trip every year.

Nobel Prizes

Dr. Yoichiro Nambu

(1921-2015)
(Distinguished Professor Emeritus)

Nobel Prize in Physics in 2008 for the discovery of the mechanism of spontaneous broken symmetry in subatomic physics.



Dr. Shinya Yamanaka

(1993 OCU Graduate School of Medicine alumnus)

Nobel Prize in Medicine in 2012 for the discovery that mature cells can be reprogrammed to become pluripotent.





Introducing Osaka City University's Bangkok Office



With the 2015 creation of the ASEAN Economic Community, Osaka City University wants to participate by welcoming more students from South-East Asia as it will heighten the awareness of the role of this region among Japanese students and educators while also further diversifying its campus. The Osaka City University's Bangkok office (OCU-BKK) will provide a central base for organizing and supporting recruitment and exchange activities.

MEET US IN THAILAND

Meet OCU in Thailand at the following events:

- JUNE Fair @ Japanese Embassy (June, Bangkok)

- JASSO Study in Japan Fair (August, Bangkok)

and other events (see announcements on the OCU-BKK homepage)



OCU ALUMNI GROUP IN THAILAND

OCU Homecoming day in Thailand for OCU alumni
(August, Bangkok)

EXCHANGE PARTNERS IN THAILAND

- Chiang Mai University
- Chulalongkorn University
- Mahidol University
- Naresuan University
- Navamindradhiraj University
- Silpakorn University
- Srinakharinwirot University
- Thammasat University

OSAKA CITY UNIVERSITY'S BANGKOK OFFICE

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Bangkok 10330, Thailand

ocu.bkk@gmail.com

<http://www.ocubkk.faa.chula.ac.th>



RESEARCH

Utilizing AR Technology in Education and Training Exercises!
AR Application for Disaster Education Released as Open Source Software



Associate Professor Daisuke Yoshida

At the Center of Education and Research for Disaster Management (CERD), Associate Professor Daisuke Yoshida (CERD Researcher and Associate Professor at the Graduate School for Creative Cities) and Professor Muneki Mitamura (Vice Director of CERD and Professor at the Graduate School of Science) collaborated with BrilliantService Co., Ltd. to develop an augmented reality (AR) application that visualizes onto tablet screens disaster-related information such as evacuation center and AED locations, and information about supposed fires and landslides for training exercises.

*Application operates on iPads with iOS 9.2 or higher.

Conventional disaster education systems and applications only show disaster preparedness and disaster information in digital maps on computers and tablets, leaving it to the imagination of the user to understand the actual situation on the ground. However, by using this newly-developed application with AR display functions, what kind of fire risks are in the target area, what kind of disaster-related

facilities are located nearby, and other questions can be perceived geospatially on the field (actual training location). In addition, response capabilities are expected to greatly improve from the more realistic experience in disaster drills.

The application developed through this research was released online as open source software on January 6th, 2017. The application will be made iPhone-compatible and released in the App Store so it can be available to more people.



Application sample image



Application source code release site:
<https://bitbucket.org/nro2dai/cerd-ar/>

Researchers in Focus



Associate Professor Daisuke Yoshida, Center of Education and Research for Disaster Management

Associate Professor Yoshida uses drones to record videos for educational and research activities. What began as just work has gotten him very fond of drones, to the point where he now customizes them. "Going into the distance and taking videos is a really good way to relax. I'm planning to see if drones can be utilized in the future for infrastructure inspections!" he said with shining eyes.



LAB VISIT

Professor Yoshikazu Nishikawa Laboratory, Graduate School of Human Life Science



Professor Yoshikazu Nishikawa

Professor Nishikawa specializes in bacteriology and has been carrying out research regarding food safety including food poisoning and infection. He studies disease causing bacteria including *Escherichia coli* (*E. coli*), test methods and measures against contamination sources. Although infection by bacteria for a large part depends on the host's immunity status, immunity is generally compromised with aging. From this, Dr. Nishikawa began studying the anti-aging effects of food ingredients.

He decided to focus on *Caenorhabditis elegans* (*C. elegans*), a roundworm, as a model for experiments in this research. The roundworms have a lifespan of 3 weeks so the study results of anti-aging effects can be obtained in a short period. They are 1 mm in length and easy to grow in a laboratory. Because they are a multicellular organism, roundworms undergo an aging process similar to that of humans, making them suitable as a model to evaluate anti-aging effects. In fact, results already show that when roundworms take in food poisoning bacteria, their lifespan is

shortened.

Dr. Nishikawa has been searching for effective substances for anti-aging in various food ingredients. As a result of his research, in 2007 he reported the world's first experimental example that lactic acid bacteria have a life-extending effect. He also showed that roundworms become highly resistant to *Salmonella* after intake of lactic acid bacteria, resulting in an extended survival rate. He says, "The results in roundworms of course cannot be readily applied to humans, but they can function as the base for fruitful and practical further research."



**C. elegans* (Close-up picture captured with a differential interference microscope; the green-glowing parts are enterohemorrhagic *E. coli* O157:H7)

Researchers in Focus



Professor Yoshikazu Nishikawa, Graduate School of Human Life Science

Growing vegetables is Dr. Nishikawa's, who is usually too busy to take a break, main solace. Inside the laboratory building there is a completely pesticide-free farm field. Depending on the season, Dr. Nishikawa grows various vegetables such as turnips, Japanese radish and Chinese cabbage with his students. This is intended to help the students understand the difficulty of completely pesticide-free production and to learn about food from a production site perspective. This farming and spending time with students are his way to refresh his mind.



STEP-BY-STEP ADMISSION GUIDE

✓ UNDERGRADUATE COURSES

- June or November** **Step 1: Take the Examination for Japanese University Admission for International Students (EJU)**
The subjects you need to take and the scores you need to obtain differ per faculty
- October - December** **Step 2: Apply**
Obtain application form (from October) »»» Submit application (specified date in December)
- February** **Step 3: Take the Osaka City University entrance exam**
- 1 April** **Enter Osaka City University (academic year: 1 April - 31 March)**



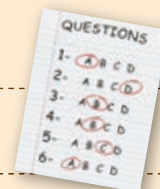
✓ MASTER COURSES

- Before July** **Step 1: Find an academic supervisor**
- June - July** **Step 2: Apply**
Obtain application form (from June) »»» Submit application (specified date in July)
- August or September** **Step 3: Take the Osaka City University entrance exam**
- 1 April** **Enter Osaka City University (academic year: 1 April - 31 March)**
(October entry possible for Graduate School of Science. Application periods differ.)



✓ DOCTORAL COURSES

- Before December** **Step 1: Find an academic supervisor**
- November - January** **Step 2: Apply**
Obtain application form (from November) »»» Submit application (specified date in January)
- February** **Step 3: Take the Osaka City University entrance exam**
- 1 April** **Enter Osaka City University (academic year: 1 April - 31 March)**
(October entry possible for Graduate School of Science, Graduate School of Engineering and Graduate School of Medicine. Application periods differ.)



✓ RESEARCH STUDENTS (6 months or 1 year period of study in preparation for entry into Graduate School)

- Step 1: Find an academic supervisor**
- Step 2: Apply** Application periods, selection and entry dates differ per Graduate School



? HOW TO FIND A SUPERVISOR

- see the list of teaching staff on the HP of each Graduate School
- see the 'Graduate Schools Outline'
- see who teaches a specific course in the syllabus of each Graduate School

Contact a professor directly or via the Global Exchange Office and provide:

- your academic background (diplomas obtained or expected in the near future)
- the level you want to study at: research student/master/doctoral
- which Graduate School and which course you want to enter
- an indication of your Japanese language ability
- which professor you would like to ask to become your supervisor
- your study/research plan

Email address Global Exchange Office: goto.ocu@ado.osaka-cu.ac.jp

FINANCIAL SUPPORT FOR INTERNATIONAL STUDENTS

Fees (all in JPY)		Application Fee	Admission Fee	Admission Fee for Osaka Citizens or their Children*	Annual Tuition Fee
Undergraduate	Degree Student	30,000	382,000	222,000	535,800
Graduate	Degree Student	30,000	382,000 (Law School: 0)	222,000 (Law School: 0)	535,800
	Research Student	9,800	102,600	66,600	29,700/month



*For exact conditions see http://www.osaka-cu.ac.jp/en/admission/tuition_fees

TUITION FEE EXEMPTION

There are 30%, 50% or 100% exemptions of tuition fees available for international students with satisfactory study results but financial difficulties. You can apply after entering OCU.

SCHOLARSHIPS

After enrollment you can apply for a number of scholarships for which you need a recommendation from OCU. You can apply for a recommendation in April (after you have been admitted to OCU) and you can then use the recommendation throughout the year to apply for the various scholarships.

For a list of available scholarships, amounts and conditions, please see the QR Code on the right:



COST OF LIVING

Monthly spending (national average, in JPY)

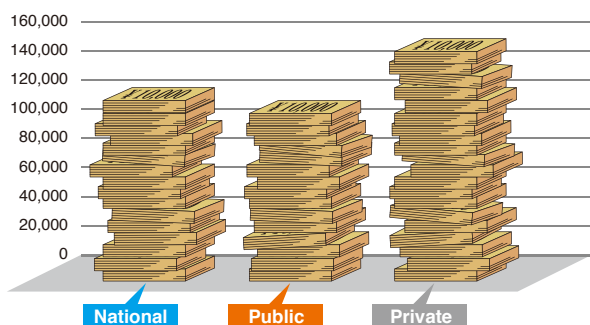
	Undergraduate	Research students	Master	Doctor
JPY	141,000	122,000	128,000	131,000
THB*	38,950	33,702	35,359	36,188

*1THB=3.62JPY average exchange rate in 2015

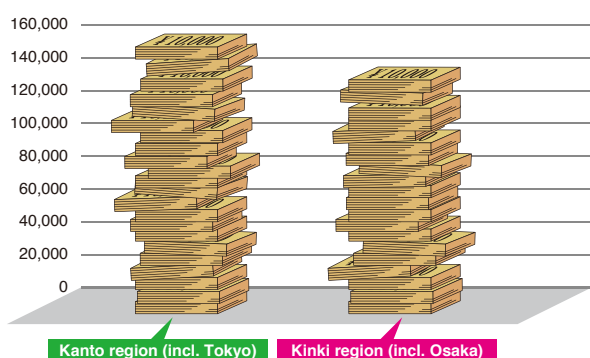
Monthly spending per region (in JPY)

	Kanto region (incl. Tokyo)	Kinki region (incl. Osaka)
JPY	157,000	135,000
THB*	43,370	37,293

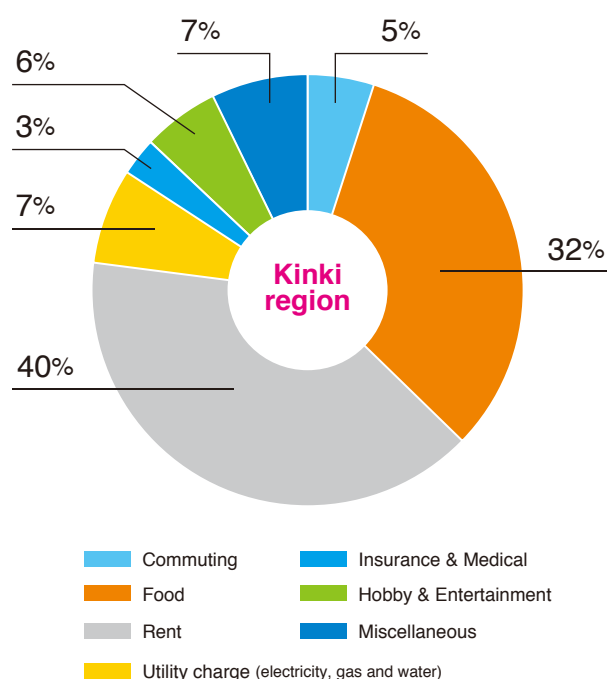
Per university type



Per region

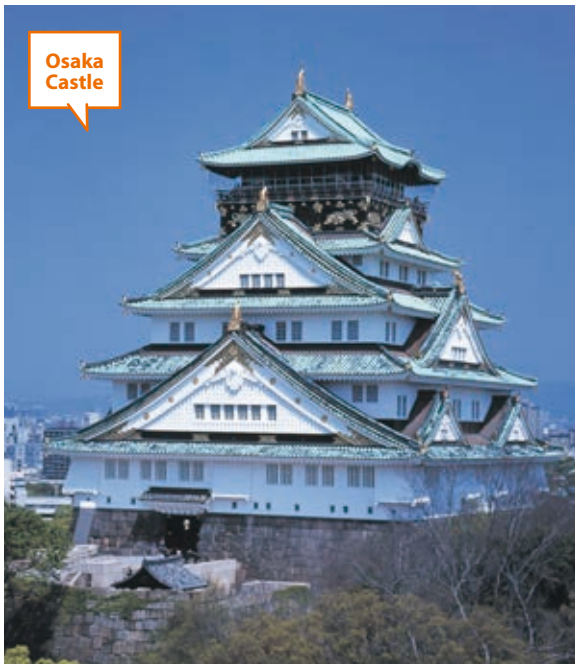


Breakdown of monthly spending (Kinki region)



Source: Lifestyle Survey of Privately Financed International Students 2015 (JASSO)

WHY OSAKA?



Osaka offers you all you could want from a modern city: excellent food, convenient public transport, mountains nearby and easy access via the international airport at only 35 minutes by train from the city center. Yet costs of living are relatively low, commuting times short and being in the middle of the culturally rich Kansai area with cities such as Kyoto and Nara, you will never run out of places to explore.



International University Culture Campus Nightlife Food
 City University Japan
 Business Urban Osaka Kyoto Kansai Nara
 Comedians Open Industry Sports Friendly Tigers Kobe



International Student Profiles



Pimprapa Yodtomorn

Nationality: Thailand

Graduate School for Creative Cities,
1st year of Doctoral Course

Pimprapa graduated from the Master Course of the Graduate School for Creative Cities last year and is now in the first year of her Doctoral Course. Her graduation thesis

was awarded with the Excellent Paper Award after she presented her research at a conference of the International Centre of Research and Information on the Public, Social and Cooperative Economy (CIRIEC International). Pimprapa remembers that in the first year in Japan it was very difficult to carry out the necessary paperwork, to register her address, apply for scholarships etc. Her academic supervisor and the tutor for international students helped her a lot. 'If you go to Japan, if possible try to contact someone from Thailand who is already living in Japan. A senior student from your high school or university for example. That way you can get many valuable tips in advance'. For

Master and Doctoral students, it is essential to find an academic supervisor, so it is also important to develop your network to find the right supervisor. As many students and parents from Thailand agree, Japan seemed a good choice because of the safe environment.

Pimprapa also really liked the nature and Japan's four distinct seasons. She chose Osaka because it is much more affordable than Tokyo, especially around campus. And she can go snowboarding in winter, with snow and mountains just a few hours away. Pimprapa would like to pursue a career in academics. She values the close relationship graduate students in Japan have with their supervisors. My supervisor takes great care of me and I know students who have graduated a long time ago, but are still in very close contact with their professors. That seems to be one of the unique points of Japan.



Ploypailin Kanruan

Nationality: Thailand

Faculty of Economics,
3rd year student

Ploypailin is a student from Thailand studying in the Faculty of Economics. She will be in her final year from April. Ploypailin won a

scholarship from the Thai government to study abroad. She chose to use the scholarship to go to Japan, among others because it is a safe country, with strong economic ties to Thailand, and a relatively warm climate (at least, in summer). And hey, Japanese food is really delicious! Her parents were also glad she chose Japan, although they let her make her own decision. 'The first year was at the same time the most difficult and the most fun', she says. 'Difficult because speaking Japanese was still hard, but fun because of all the new places, new food and new experiences'. After living in the university dormitory for one year, she now lives near campus, bicycles to

school, has a part-time job and Thai and Japanese friends, with whom she goes for dinner, movies or karaoke. Her advice to students in Thailand is to prepare well, so you know what to expect and what you need to do: 'Preparation + Practice = Success'. That is the slogan she gave us once before to encourage students studying for the entrance exam. 'The only thing you cannot prepare for maybe is winter', she laughs. 'So cold compared to Thailand'. In her fourth year Ploypailin will start to look for a job for after graduation. Her part-time job already gives her some valuable experience of what is expected from employees in Japan. 'I hope to work for a Japanese company that does business in Thailand'. If she follows her own slogan, we are sure she will find the job of her dreams.



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