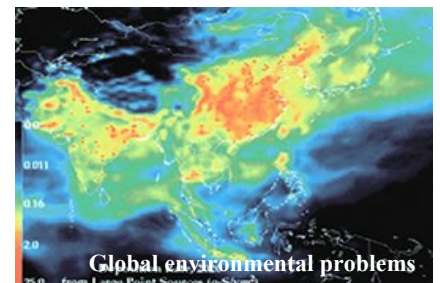
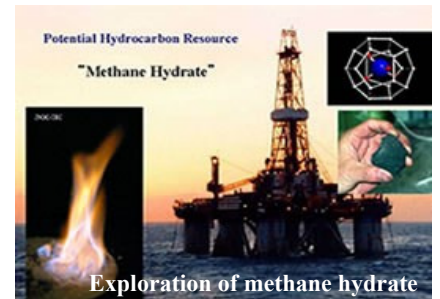


Kyoto University

International Courses regarding Civil Engineering

*Undergraduate International Course Program of Global Engineering
&
International Course in Management of Civil Infrastructure
in the Department of Civil and Earth Resources Engineering
International Course in Urban and Regional Development
in the Department of Urban Management*



Kyoto University Programs for Future International Leaders

Kyoto University

- Founded in 1897 as the second national university in Japan
- Top university of Japan, as well as one of the top international universities, particularly in the fields of medicine, science & technology (25th in the world university ranking according to *Times Higher Education 2009*)
- Produced **the largest number of Nobel prize winners** for science subjects in Japanese universities (Eight Nobelists from Physics, Chemistry and Physiology / Medicine)
- Produced **three winners of Fields Medal**
- Many international partnerships with 82 universities and two university-system in 28 countries

Main campus



Katsura campus



Uji campus



- Number of Faculties:
 - 10 Faculties
- Students:
 - 13,255 Undergraduate Students
 - 4,702 Master's Course Students
 - 3,683 Doctoral Course Students
- Faculty:
 - 1,015 Professors
 - 758 Associate Professors
 - 154 Senior Lecturers
 - 928 Assistant Professors

Foreign Professors

- 11 Professors
- 22 Associate Professors
- 9 Senior Lecturers
- 35 Assistant Professors

as of May 2009

International Courses for under/postgraduate students in School of Global Engineering (*Civil Engineering*)

A new educational program, in which all classes will be delivered in English, will commence in April, 2011. This program is available only in the field of **civil engineering**. Applicants must have a non-Japanese citizenship, and they need to have graduated from a high-school outside of Japan. A maximum of 30 freshmen will be enrolled in this new program.

The course aims to cultivate human resources capable of designing and managing civil infrastructures while considering global environmental issues around urban and regional areas, particularly in Asian and African countries.

Postgraduate master programs will be opened in graduate schools, and professional education and research opportunities are provided on “Management of civil infrastructure” and “Urban and regional development”.

What are advantages of studying at Kyoto University?

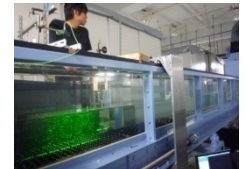
- Superior professional education and research opportunities with excellent facilities
- Better understanding Japanese language and culture at the most modern and historical town in Japan



Undergraduate Program 4 years

Civil Engineering fields
Undergraduate International Course Program of Global Engineering

Postgraduate Program (Master Program)
2 years



Management of Civil Infrastructure in the Department of Civil and Earth Resources Engineering

Urban and Regional Development in the Department of Urban Management

Curriculum

In the first three years of the course, all the classes will be given at Kyoto University's Yoshida Campus (Main Campus). First and second year students will primarily study subjects covering the liberal arts and the fundamentals of the natural sciences. The number of specialized subjects increases substantially in the second semester of the second year. Second and third year students must therefore concentrate on studying a wide range of specialized subjects in the civil engineering fields. In the fourth (final) year, those who have earned a sufficient number of credits will join one of the civil engineering research groups at Katsura Campus, Yoshida Campus or Uji Campus, and will begin the research project for their bachelor's thesis. The thesis must be submitted and presented in February of the final academic year. Once the thesis is successfully completed, students will graduate in March.

During two years of the master program, one will be able to intensively study for their master thesis in “Katsura Campus” or “Uji Campus”.

Undergraduate International Course Program of Global Engineering

- Civil Engineering Fields -

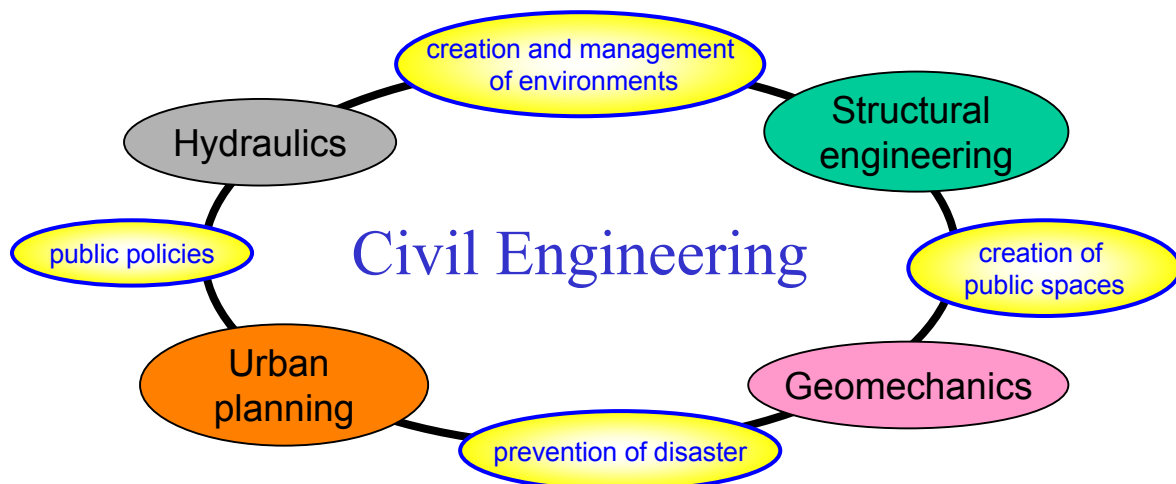
Overview

International Course in the Undergraduate School of Global Engineering covers the field of civil engineering. Japanese civil engineers have successfully completed several noteworthy projects, such as the Kurobe Dam, Seikan Tunnel, Kansai Airport and Akashi Kaikyo Ohashi Bridge; and in doing so, have realized people's dreams. These structures will surely become historical symbols of today's civil engineering as well as an inheritance of modern culture. Civil engineers also play an important role of accumulating the technologies and knowledge for disaster prevention and for the preservation of civilization from such natural disasters as floods, droughts, earthquakes, and storms. Civil engineers contribute to the maintenance and preservation of the infrastructure that is the basis of civilization, as well as the creation of safe and pleasant communal spaces in harmony with nature.

What's Civil Engineering?

Civil Engineering consists of four main fields, i.e : 1) Structural engineering, 2) Hydraulics, 3) Geomechanics, and 4) Urban planning

Civil Engineering plays vital roles in our society to a) *make our dreams real*, b) *suggest effective methods of coexistence with nature*, and c) *generate public consciousness*.

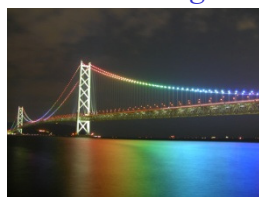


Kurobe dam



Largest-scale dam in Japan

Akashi bridge



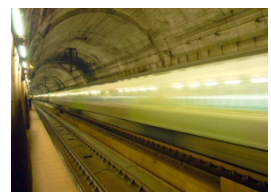
Longest suspension bridge in the world

Shinkansen



Most famous transportation system

Seikan tunnel



Longest undersea tunnel in the world



○ Notable Features of Undergraduate International Course Program of Global Engineering

- All classes will be delivered **in English**.
- This course cultivates **excellent engineers and researchers** capable of designing and managing civil infrastructures meeting regional issues while considering global environmental issues as well.
- The **credit transfer system** will be provided to students who hope to **study outside of Japan**.

○ Entrance Examination

The selection procedure is divided into two parts.

The first screening stage will involve an examination of the submitted documents, which are the candidate's scores in English, Mathematics, Physics and Chemistry.

In the selection procedure, points will be allocated for each subject as follows

English	200	conversion from the TOEFL or IELTS scores
Mathematics	200	conversion from the EJU or the national standard test scores
Physics	100	conversion from the EJU or the national standard test scores
Chemistry	100	conversion from the EJU or the national standard test scores
Total	600	

The second stage will require applicants to take an interview in English at one of the following designated countries at an appointed time: Beijing (China), Shanghai (China), Alexandria (Egypt), Nairobi (Kenya), Seoul (Korea), Taipei (Taiwan), Bangkok (Thailand), London (U.K.), New York (U.S.A.) or Hanoi (Vietnam).

The purpose of this interview is to examine the applicants' suitability for the courses at Kyoto University.

Additional interviews will not be conducted under any circumstances.

Enrollment Capacity

30 persons

Undergraduate School of Global Engineering

International Course Program (All classes are in English.) 30 persons

General Course Program (All classes are in Japanese.) 155 persons

Total 185 persons

Eligibility

Applicants must satisfy ALL of the following requirements.

- Must have non-Japanese citizenship.
- Must reside overseas and must not have status of residence in Japan. Applicants must apply for a “College Student” visa after passing the examination for enrollment.
- Must be expected to have completed at least 12 years of primary and secondary education outside Japan by March 31, 2011.
- Must be 18 years old or older by March 31, 2011.
- Those who have a TOEFL examination score, must have at least 61 for iBT (Internet-Based Testing) or 500 for PBT (Paper-Based Testing), or an IELTS minimum score of 5.0. The scores are valid only if the examination date is after June 1, 2008.
- Applicants must have already applied to take the **English Version** of the “Examination for Japanese University Admission for International Students (EJU)” in June 2010, administered by the Japan Student Services Organization (JASSO). Exam scores for Mathematics (Course 2), Physics and Chemistry are required. If the applicant cannot take the EJU exam, a score for the national standard test for university admissions of his/her country (or other countries) is also acceptable, instead of an EJU score.
- Must be able to provide his/her own enrollment and tuition fees and living expenses in Japan.

Admission Calendar

December, 2009 Admissions guide, schedule, requirements, etc. will be announced.

February - March, 2010

Application for “Examination for Japanese University Admission for International Students (EJU)”

June 1 – June 15, 2010

Application for admission to Kyoto University

June, 2010 Examination date of EJU

July, 2010 Submission of score of either EJU or the national standard test

August, 2010 Interview examinations in various countries

August 25, 2010 Notification of examination results

October-December, 2010

Visa applications

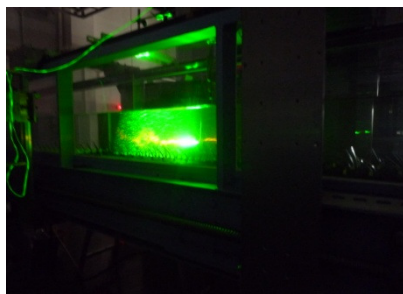
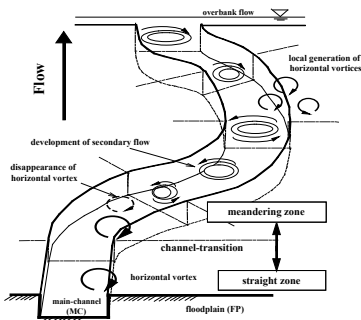
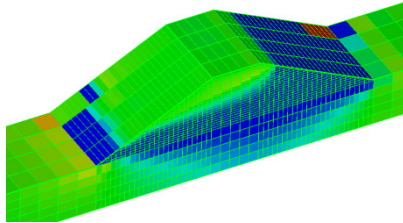
March, 2011 Arrival in Japan

April, 2011 Entrance ceremony at Kyoto University



Research Groups

Fourth year students will begin their research for a bachelors thesis in one of following research groups on global engineering field.



Research topics and Professors

Structural engineering

Structural Mechanics (Prof. Kunimasa Sugiura, Assoc. Prof. Tomoaki Utsunomiya)
Bridge Engineering (Prof. Hiromichi Shirato, Assoc. Prof. Tomomi Yagi)
Structural Materials Engineering (Prof. Toyoaki Miyagawa, Assoc. Prof. Takashi Yamamoto)
Applied Mechanics (Prof. Takeshi Tamura)
*Infrastructure Safety Engineering (Prof. Toshihiro Asakura, Prof. Toyoaki Miyagawa, Prof. Yukinori Koyama, Assoc. Prof. Yoshinobu Oshima)
Structural Dynamics (Assoc. Prof. Akira Igarashi)
Earthquake and Lifeline Engineering (Prof. Junji Kiyono)
Structures Management Engineering (Prof. Hiroataka Kawano, Assoc. Prof. Atsushi Hattori)
*International Management on Civil Infrastructure (Prof. Kunimasa Sugiura, Prof. Chul-Woo Kim, Assoc. Prof. Xue Ziqiu)
Dynamics of Foundation Structures (Prof. Sumio Sawada, Assoc. Prof. Yoshikazu Takahashi)

Hydraulics

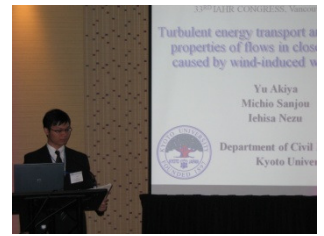
Environmental Hydrodynamics (Prof. Iehisa Nezu, Assoc. Prof. Michio Sanjou)
River System Engineering and Management (Prof. Takashi Hosoda, Assoc. Prof. Kiyoshi Kishida)
Urban Coast Design (Prof. Hitoshi Gotoh, Assoc. Prof. Eiji Harada)
Hydrology and Water Resources Research (Prof. Michiharu Shiiba, Assoc. Prof. Yasuto Tachikawa)
Erosion and Sediment Runoff Control Engineering (Prof. Masaharu Fujita, Assoc. Prof. Daizo Tsutsumi, Assoc. Prof. Hiroshi Takebayashi)
Hydroscience and Hydraulic Engineering (Prof. Hajime Nakagawa, Assoc. Prof. Kenji Kawaike)
Regional Water Environment System (Prof. Toshiharu Kojiri, Assoc. Prof. Kenji Tanaka)
Hydrometeorological Disasters (Prof. Eiichi Nakakita, Assoc. Prof. Yoshinobu Kido)
Urban Flood Control (Prof. Keiichi Toda, Assoc. Prof. Nozomu Yoneyama)
Global Water Dynamics (Prof. Tomoharu Hori)
Nearshore Disaster Prevention Engineering (Prof. Hajime Mase, Assoc. Prof. Nobuto Mori)
Innovative Disaster Prevention Technology and Policy Research (Prof. Kaoru Takara, Assoc. Prof. Yosuke Yamashiki)
Socio and Eco Environment Risk Management (Prof. Tetsuya Sumi, Assoc. Prof. Yasuhiro Takemon)
Computational Engineering (Prof. Satoru Ushijima)

Geomechanics

Geomechanics (Prof. Fusao Oka, Assoc. Prof. Sayuri Kimoto)
Construction Engineering and Management (Prof. Hiroyasu Ohtsu, Assoc. Prof. Tomoki Shiotani)
Geofront System Engineering (Assoc. Prof. Satoshi Nishiyama)
*International Urban and Regional Development (Prof. Hiroyasu Ohtsu, Assoc. Prof. Kwangmoon Kim)
Geotechnics for Hazard Mitigation (Prof. Susumu Iai, Assoc. Prof. Mamoru Mimura)
Waterfront and Marine Geohazards (Prof. Hideo Sekiguchi, Assoc. Prof. Yasunori Muto)
Environmental Infrastructure Engineering (Prof. Takeshi Katsumi)
Innovative Collaboration Center (Prof. Makoto Kimura)

Infrastructure Planning and Management

Planning and Management Systems (Prof. Kiyoshi Kobayashi, Assoc. Prof. Kakuya Matsushima)
Urban and Regional Planning (Prof. Dai Nakagawa, Assoc. Prof. Ryoji Matsunaka)
Logistics Systems Engineering (Prof. Eiichi Taniguchi, Assoc. Prof. Tadashi Yamada)
Intelligent Transport Systems (Assoc. Prof. Nobuhiro Uno)
Travel Behavior Analysis (Prof. Satoshi Fujii, Assoc. Prof. Toshio Yoshii)
Advanced Transport Logistics (Prof. Eiichi Taniguchi, Prof. Takayoshi Yokota)
Geoinformatics (Prof. Masayuki Tamura, Assoc. Prof. Junichi Susaki)
Urban and Landscape Design (Prof. Masashi Kawasaki, Assoc. Prof. Yoshiaki Kubota)
Disaster Risk Management (Prof. Norio Okada, Assoc. Prof. Muneta Yokomatsu)



Postgraduate Master Programs

International Course in Management of Civil Infrastructure

The International Course in Management of Civil Infrastructure is a 2-year program leading to a Master of Engineering degree. This course aims to cultivate human resources capable of managing civil infrastructures and addressing environmental issues in various countries, particularly in the developing countries of the Asian and African regions.

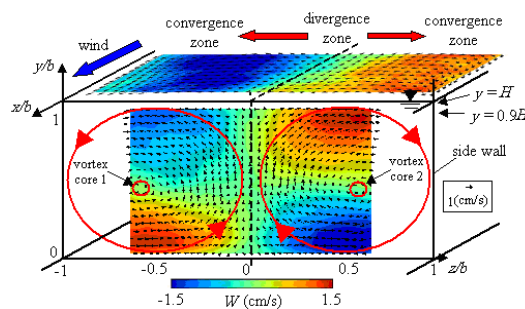
The fundamental policy of the Department of Civil and Earth Resources Engineering is to provide a thorough basic education and cultivate real-world skills. We also aim to provide an education which nurtures the ability to discover new technologies and develop flexible thinking skills. Ultimately, we aim to cultivate experts who can utilize intellectual, information and communication technologies in new ways. Our approach to education prioritizes information analysis, with a focus on computational dynamics. We ensure that our students master the basic and rational technologies that will enable them to become leading engineers who can contribute to the public infrastructure.

In light of the major shift in the locus of public infrastructure development and resource development from Japan to other countries, we are well aware of the need to nurture highly-qualified engineers from other countries to produce engineers who can make broad contributions at the cutting-edge of conventional civil engineering, resource engineering, and environmental engineering. It is our policy to actively invite highly accomplished researchers and corporate researchers from Japan and other countries to participate in seminar courses held by the Department of Civil and Earth Resources Engineering to discuss the latest developments and societal needs.

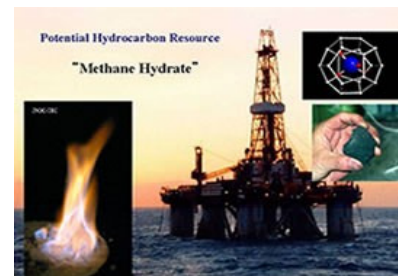
Six students will be admitted to this course.



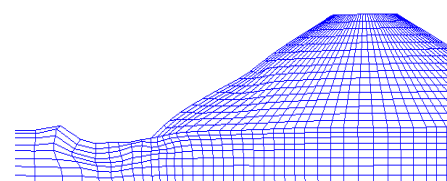
Structural Engineering



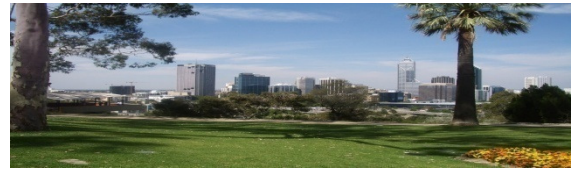
Eco Hydraulics



Earth Resources Engineering



Geomechanics



○ International Course in Urban and Regional Development

The Department of Urban Management is striving to integrate advanced information communication technology with social infrastructure technology in order to realize sustainable, safe, and internationally competitive urban systems that can ensure a high quality of life. To achieve this goal, the department aims to make advances in social analysis technology utilizing urban engineering, traffic engineering, and environmental system engineering to analyze human activities in cities. We also seek to make advances in planning technology methods such as urban planning and traffic planning to realize safe and sustainable urban systems, as well as advances in urban infrastructure relating to constructing foundations and rivers. Building upon the foundation of these engineering technologies, the department is working to establish methodologies and engineering techniques for the comprehensive management of urban systems, incorporating assessments of the sustainability of cities based on a cutting-edge research and an interdisciplinary perspective that embraces the social sciences and humanities. To realize these goals, the department is ambitiously striving to construct state-of-the-art urban systems for advanced information societies, and to cultivate the human resources needed to support them.

The International Course in Urban and Regional Development is a 2-year program leading to a Master of Engineering degree. This course aims to cultivate human resources capable of managing civil infrastructures and addressing environmental issues in diverse countries, particularly in the developing countries of the Asian and African regions.

In addition to lecture-based subjects, the department also offers seminar-based subjects. In the seminar-based subjects, students independently plan and implement project surveys and company seminars. They then summarize the results and make presentations on their findings. These exercises greatly enhance students' skills of preparing reports, presentations and conducting discussions.

Six students will be admitted to this course.



Urban & Region Planning together with Environment



Creation of Public Space for Relaxation



Landscape & Environmental Planning

○ Eligibility

Applicants must hold the residence status of “college student” at the time of admission, and must satisfy any of the following requirements (or who satisfy any of the following requirements by the end of March 2011).

- Must have graduated, or are expected to graduate by March 31, 2011, from a Japanese university
- Must have completed, or are expected to complete 16 years of school education in a foreign country
- Must have completed 15 years of school education in a foreign country and who are recognized by the Graduate School of Engineering, Kyoto University as having earned specified credits with excellent grades
- Must be qualified, through individual entrance examination by the Graduate School of Engineering of Kyoto University, and are judged to have academic ability equivalent or superior to university graduates, and are a minimum of 22 years of age

○ Entrance Examination

■ Subjects

English ability (200 points): assessed by considering the submitted TOEFL or IELTS score certificate.

Interview (800 points): Achievement in undergraduate course, study plan and capability for the master’s course are assessed. Applicants should prepare a 15 minute presentation which outlines 1) specialized knowledge of the study area, and 2) proposed research plan for the course.

■ Venue

Applicants should take overseas examination. Applicants will be given instructions on the interview process after their application has been accepted.

■ Criterion to screen applicants through examination

Applicants are graded according to the sum total of their marks for English ability (200 points maximum) and interviews (800 points maximum). Applicants whose total marks are less than 500 points out of 1000 points are not eligible to join the departments.

○ Tentative Time Schedule for Enrollment

January, 2010	Announcement of guidelines for applicants
May, 2010	Application deadline
August, 2010	Entrance examination
September, 2010	Notification of examination results
April, 2011	Entrance ceremony



Enrollment and Tuition Fees (tentative)

Undergraduate program

Enrollment fee: 282,000 yen

Tuition fee: 267,900 yen for Spring semester (535,800 yen per academic year)

Postgraduate master program

Enrollment fee: 282,000 yen

Tuition fee: 267,900 yen for first semester (535,800 yen per academic year)

Scholarship (undergraduate)

- The university provides study grants to **cover** the cost of the enrollment fee.
- The university and the alumni association of civil engineering related departments provide scholarships for students who have superior grades.
- Various kinds of other scholarships can be applied for after enrollment.

Dormitory

- The university reserves dormitory rooms for all first-year students of this undergraduate international course. The rent will be reasonable based on current rental prices in Kyoto.
- Comprehensive support by English-speaking staff will be provided to international students to assist them with their living and studying needs in Kyoto.



For More Information....

For UNDERGRADUATE course

Int course global eng Kyoto

Web Search

Kyoto University, Undergraduate International Course Program of Global Engineering
<http://www.s-ge.t.kyoto-u.ac.jp/int/en/>

For MASTER courses

Int course civil infra Kyoto univ

Web Search

Kyoto University, International Course in Management of Civil Infrastructure
<http://www.um.t.kyoto-u.ac.jp/mci/en>

Int course urban Kyoto univ

Web Search

Kyoto University, International Course in Urban and Regional Development
<http://www.um.t.kyoto-u.ac.jp/urd/en>

K. U. PROFILE

KUProfile

Web Search

<http://www.opir.kyoto-u.ac.jp/kuprofile/e/index.html>

(Contact Information)

Foreign Student Section, Faculty of Engineering, Kyoto University

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K. U. PROFILE