

**Welcome
to
Kyoto University Human Security
Engineering(HSE) Education Program!**



Today' Plan

- 1. HSE Director's address**
- 2. HSE Staff introduction**
- 3. Student self-introduction**
- 4. Guidance for HSE course**

Self-Introduction

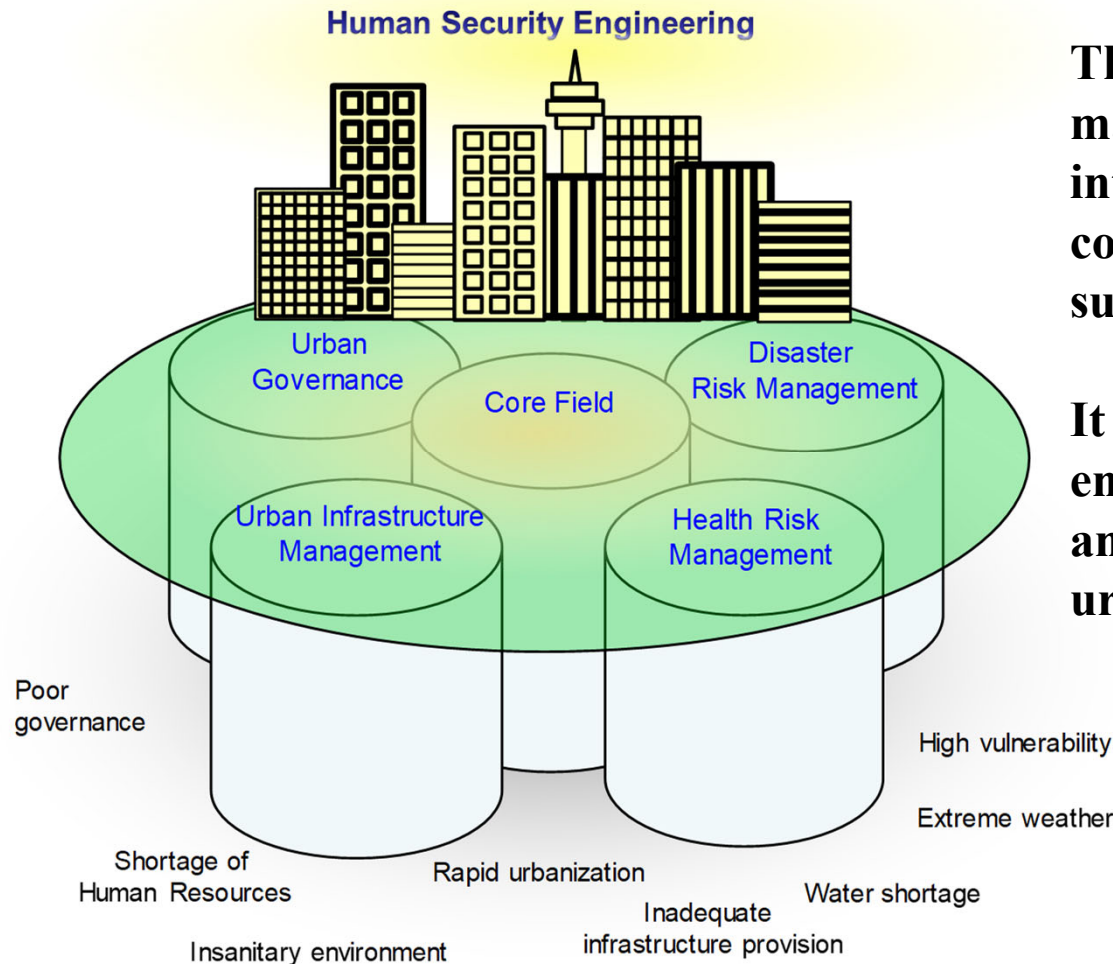
Video on and Unmute!

About 1 min.

- **Name**
- **Home country**
- **Affiliation**
- **Doctoral research topics, etc.**

Guidance for HSE course

What is the "Human Security Engineering Education Program"?



This program is intended for doctoral and master course students to acquire interdisciplinary and solid education in the core field and four related fields that support urban human security engineering.

It will foster researchers and advanced engineers who have the ability to integrate and apply their knowledge toward ensuring urban human security.

Core field and four related fields that support urban human security engineering

**Syllabus: doctoral course page 1
5 years course page 1**

Mission of HSE course

Fostering of creative, international, and independent researchers and engineers with education in four related academic fields (**urban governance, urban infrastructure management, health risk management and disaster risk management**), who will have the ability to integrate and apply the knowledge toward ensuring urban human security.

Creativity: the ability to go beyond the boundaries of the existing specialized fields.

Internationality: the ability to present and debate research findings in English, conduct education and research activity in foreign countries, ability to build international human networks.

Independence: the ability to plan research, provide leadership in education and research, ability to secure research funds, and problem-solving ability in the field.

HSE Students

Affiliation: any one of the following departments

Civil and Earth Resources Engineering

Urban Management

Environmental Engineering

Education program:

Integrated Engineering Course, Human Security Engineering Field
(Human Security Engineering Education (HSE) Program)

- Doctoral Course Program
- Integrated Master's-Doctoral Course Program (5 years course)

- HSE students will complete the HSE education program by fulfilling the completion requirements of this program, rather than those of the department to which he/she belongs.
- Doctoral course students will be certified as a “Human Security Engineering Education Program Graduate” and will be conferred the program certificate aside from the doctoral degree certificate upon completion of HSE education program,

HSE Program: Available courses

Syllabus: doctoral course page 2, 5 years course page 2-3

- **Compulsory core subject: “Human Security Engineering”**
- **Core subject**
- **Major/minor subject**
- **ORT subject**

start on Oct 6

Code	Subject	Teasher(s) in Charge	Hrs/Week		Credits	Course Specification				Available for	
			1st Semester	2nd Semester		Core subject	Major subject	ORT subject	Minor subject	Master course	Doctoral course
10X301	Human Security Engineering	Yondea, Tachikawa, Tatano, Matsushima, Asari		2	2	○				Compulsory (5 years cours)	Compulsory (3 years course)
10X305	Lectures on Urban Governance 1 (*)	Assorted Instructors	2		2		○		○		○
10X307	Lectures on Urban Governance 2 (*)	Assorted Instructors		2	2		○		○		○
10X311	Urban Infrastructure Management	Tachikawa and Assorted Instructors	2		2	○	○		○	○	○
10X315	Lectures on Urban Infrastructure Management 1 (*)	Assorted Instructors	2		2		○		○		○
10X317	Lectures on Urban Infrastructure Management 2 (*)	Assorted Instructors		2	2		○		○		○
10X321	Lectures on Environmental Risk Management Leader	Shimizu	2		2	○	○		○	○	○
10X323	Lectures on Health Risk Management 1 (*)	Assorted Instructors	2		2		○		○		○
10X325	Lectures on Health Risk Management 2 (*)	Assorted Instructors		2	2		○		○		○
10F456	New Environmental Engineering I	Shimizu, Echigo, Nishimura	2		2		○		○	○	○
10F458	New Environmental Engineering II	Takaoka, Ueda, Fujimori, Oshita		2	2		○		○	○	○
10X750	Management of Global Resources and Ecosystems	Funakawa, Shibata, Yamashita	2		2		○		○	○	○
10X751	Environmental Ethics and Environmental Education	Asari, Singer	2		2		○		○	○	○

HSE Program: Available courses

- **Compulsory core subject: “Human Security Engineering”**
- **Core subject**
- **Major/minor subject**
- **ORT subject: Internship**

Note:

- 1) **All lectures are conducted in English.**
- 2) **Prepare the course plan of the subjects and submit the plan to your supervisor to obtain their approval at school entry. Although the course plan can be modified when proceeding to the next grade, the approvals to the supervisor(s) must be obtained. The supervisor cannot modify the additional conditions.**
- 3) **Graduate-level subjects not included in the table shown in Syllabus may be considered as corresponding and equivalent to minor subjects under the instruction of your supervisor(s) for up to 4 credits.**

4) If you wish to take HSE Custom-made lectures(*), you must submit an “Registration Request Form for HSE Custom-made lecture” per subject to the C Cluster Office NO LATER THAN October 19, 2021.

The form is available at the C Cluster Office.

- (*) Lectures on Urban Governance 2
- Lectures on Urban Infrastructure Management 2
- Lectures on Health Risk Management 2
- Lectures on Disaster Risk Management 2

5) The subjects with white circles (○) in the both columns of Master and Doctoral course of the Registration Type on the Subject List are available for credits in Doctoral course, only if you have never acquired those subjects in Master course.

Program Accreditation for PhD

Subjects category	Number of credits required for completion
Core subjects	= or > 4 credits including compulsory 2 credits of “Human Security Engineering”. Other core subjects: Urban Infrastructure Management, Environmental Risk Management Leader, Disaster Risk Management
Major subjects	= or > 0 credits
Minor subjects	= or > 0 credits
ORT subjects	= or > 2 credits
Other subjects	Can be taken with the guidance and permission of supervisor.
(sum)	= or > 10 credits

Syllabus: doctoral course page 3

Program Accreditation for 5 years course

Subjects category	Number of credits required for completion	
	Master program	PhD program
Core subjects	= or > 4 credits Including compulsory 2 credits of “Human Security Engineering”	Additionally = or > 0 credits
Major subjects	= or > 0 credits	= or > 0 credits
Minor subjects	= or > 0 credits	= or > 0 credits
ORT subjects	= or > 10 credits Including compulsory seminar of 8 credits	Additionally = or > 0 credits
Other subjects	Can be taken with the guidance and permission of supervisor.	
(sum)	= or > 30 credits	Additionally = or > 10 credits

- **Master course students who proceed to doctoral course must complete the master course and pass the entrance examination for doctoral course.**
- **If you get more than 30 credits in master program, you can transfer extra credits (max 4 credits) to PhD program with application to administrative office at the beginning of PhD program.**

40 credits required for completion of this course includes 30 credits required for completion of the master course.

Class Registration

You are required register the courses you want to take on **KULASIS** (Kyoto University Student Affairs Information System)

<https://student.iimc.kyoto-u.ac.jp/>

Important dates

- ◆ Timetable preparation : Sept. 21 to Oct. 11
- ◆ Other department's lectures: Sept. 21 to Oct. 7
- ◆ **Class Registration : Oct. 12 to Oct. 13**
- ◆ Confirmation/Change : Oct. 16 to Oct. 19

Please see <http://www.z.k.kyoto-u.ac.jp/freshman-guide/kulasis>
and KULASIS manual in English https://www.z.k.kyoto-u.ac.jp/pdf/kulasis/kulasis_guide_en.pdf?42

Classes will start on Oct. 1.

PandA

- **PandA is the learning support system.**
- **Students use contents connected with their classes from WWW browser in this service.**
- **In getting this service it requires to use students' account(ECS-ID) and Faculty and Staff's account(SPS-ID)**
- **PandA is coordinated with KULASIS and subjects**

PandA

ユーザ ID およびパスワードを入力してください。教職員等は SPS-ID、学生は ECS-ID をユーザ ID に入力します。それ以外の方は Sakai に登録したメールアドレスを入力します。SPS-ID を発行されている教職員は ECS-ID でログインしないで下さい。

ユーザ ID:

パスワード:

ログイン

[i. SPS-ID 及び ECS-ID とは? What is SPS-ID and ECS-ID?](#)

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PandA Student's Manual

http://www.iimc.kyoto-u.ac.jp/services/ecs/pdf/en_chapter9.pdf

HSE Internship Subjects(ORT subject)

Syllabus: doctoral course page 9
5 years course page 15

HSE Internship (Short) – 2 credits

2 weeks (practically 10 days)

Examples:

- **Presentation at international conference followed by information collection relevant to your doctoral/master research at laboratories of foreign universities and authorities.**
(Including online conference or online research activities as an exception in the new coronavirus pandemic)
- **Normal internship activities at private companies to study the state of the cutting-edge technologies or practical business.**
(Including online internship as an exception in the new coronavirus pandemic)

Advanced Capstone Project (Long) – 8 credits

2 months (practically $\times \frac{5}{7} \approx$ about 43 days)

Examples:

- **Fieldwork at overseas base for your doctoral research.**
- **Working as a visiting researcher at agencies/organizations**

Rule for HSE Internship

1) **Contact your supervisor and make plans for internship with your supervisor's advice.**

Your internship needs your supervisor's approval.

2) **Before internship, submit the Notice (**HSE-004**, or **HSE-005**) and the Internship Pledge (**HSE-028**) to HSE Center (kyomu_gcoe@hse.gcoe.kyoto-u.ac.jp).**

3) **After completing all of the internships, submit the report on internship (Binding form: **HSE-013/014** and Report form: **HSE-015**) to your supervisor and HSE Center (kyomu_gcoe@hse.gcoe.kyoto-u.ac.jp).**

※ You could access our website (<http://hse.gcoe.kyoto-u.ac.jp/en/inside/form/index.html>) and download these template files.

Notice

- ✓ **You can combine several internships into one. The total length of internships should sum up to 2 weeks or 2 months.**
- ✓ **As ORT subjects are all-year ones, you must register them at the beginning of the first semester and can get the credit at annual end-of-classes.**
- ✓ **Students who entered Kyoto Univ. in October can't register ORT subjects in October. But they can start an internship. They should register ORT subjects next April.**
- ✓ **Students who want to extend internship to the next year should register internship subject at the beginning of the first semester once more.**

HSE Program Portfolio

- ✓ **Students should submit Kyoto University Human Security Engineering Education Program Portfolio to your supervisor using the e-portfolio system called **STEP**.**
- ✓ **Please access to the following URL using your student number or ECS-ID and fill out all forms you can fill out now.**
<https://kar.gakusei.kyoto-u.ac.jp/portal/login/>
- ✓ **We will ask your supervisor to check it and certify what you fill out.**

Contact Information

- **Director of HSE Program: Prof. Yoshihisa SHIMIZU**
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- **HSE center**
Secretary of HSE Program: Chikako TOMISHIMA

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