社会基盤工学専攻・都市社会工学専攻
高度工学コース　博士1回生ガイダンス

説明資料

令和 7 年 4 月 4 日(金) 15:30～16:15

C1 棟 大講義室（C1-191）

目次

社会基盤工学専攻・都市社会工学専攻
博士後期課程(高度工学コース)１回生ガイダンス
(令和 7 年 4 月 4(金) 15:30～16:15 C1 棟 大講義室 (C1-191))

(1) 専攻長挨拶【数分程度　挨拶とスタッフ紹介】
- 専攻長　　福山 英一 教授　(社会基盤，C1-1-112 号室)
　　大西 正光 教授　(都市社会，C1-2-332 号室)
- 教務　　橋本 涼太 准教授(社会基盤，C1-2-236 号室，hashimoto.ryota.6e@kyoto-u.ac.jp)
- 教務補佐　奈良 禎太 准教授(社会基盤，C1-3-356 号室)

(2) 配布資料

〈工学研究科資料〉
- 2025 年度大学院学修要覧
- Campus Life Information 2025（旧学生便覧)，安全の手引き
- 検尿容器
- 研究公正パンフレット，研究データ保存パンフレット，情報セキュリティ対策のお願い

他

〈社会基盤・都市社会工学専攻資料〉
- 授業時間割（前期・後期）
- 博士 1 回生ガイダンス　説明資料

他

(3) 履修指導【15 分程度】
- **修了要件**
  - ＊ Instructions on Registration （履修指導）参照 (資料 2)
    （学修要覧：pp.55-59（社会基盤高度）, pp.60-64（都市社会高度))
- 注意事項
  - ＊ 他専攻科目＝履修には指導教員の承認が必要
  - ＊ 他研究科科目＝履修には指導教員の承認が必要，KULASIS で聴講申請できない場合は聴講願を事務室に提出（4/10（木）締切)
  - ＊ 学部科目＝KULASIS で聴講申請できない場合は聴講願を事務室に提出（4/10(木)締切)
  - ＊ 他専攻・他研究科科目等、所属専攻の科目標準配当表にない科目を履修し、修了単位に加えたい場合は「聴講科目単位認定願」を事務室に提出（4/25（金）締切)
- 博士後期課程用の講義（学修要覧：pp.56-57（社会基盤高度)，pp.61-62（都市社会高度))
  - ＊ 社会基盤工学総合セミナーA, B，都市社会工学総合セミナーA, B（資料 4-1）
  - ＊ 社会基盤工学 ORT，都市社会工学 ORT（資料 4-2）
- 社会基盤工学インターンシップ（社会基盤工学専攻)，長期インターンシップ（都市社会工学専攻）(資料 4-3)
  - ＊ 履修希望者は 4/14 までに担当教員にメール連絡（資料参照）
- 隔年開講，英語科目（開講時期含む)
- 在学期間の短縮
- <u>履修登録</u>

  工学研究科提供科目の履修登録は各曜時限 1 科目を KULASIS から登録する.
  未登録科目は単位認定されない.
  1 年度前期の日程は下記のとおり．1 年度後期以降も，当該期にその都度登録する.
  今年度は原則対面で授業が行われる予定．授業の連絡は KULASIS および PandA を通して行われる．<u>**履修科目については早めの登録を！**</u>

1. 時間割作成期間（履修科目の選択）　：4 月 2 日（水）～4 月 16 日（水）
   時間割作成（履修科目の選択）が終了したら**履修登録科目選択リスト**(資料 3-4)を印刷し，**指導教員の署名**（または捺印）をもらった後にスキャンして**ポートフォリオと一緒に** PDF ファイルにまとめて PandA **から提出**する．
   （**締切 4 月 8 日（火）17 時**，こちらの締切が早いので早めに時間割を作成すること）
2. 他研究科科目・学部科目聴講申請期間：4 月 2 日（水）～4 月 14 日（金）
   他研究科科目の聴講は KULASIS で申請する．KULASIS で申請できない科目については聴講願の用紙を事務室で受け取り申請を行う（4 月 10 日締切）．
   他専攻，他研究科の講義科目の受講については指導教員と相談の上決めること．
3. 履修登録期間（履修科目の決定）　：4 月 17 日（木）0:00 ～ 4 月 18 日（金）24:00
   履修科目の選択だけでは履修が未決定のままなので，履修登録期間中に必ず決定させること．
4. 登録の確認・修正期間　：4 月 23 日（水）0:00 ～ 4 月 24 日（木）24:00

- **ポートフォリオ** (資料 3)
  指導教官と相談の上，ポートフォリオを作成し提出すること．
  提出締切：4 月 8 日（火）17 時．
  履修届 (資料 3-4)と一緒に必要箇所のコピーを提出し，原本は大切に保管すること．

注）ポートフォリオ作成時の注意事項
1. 主/副の指導教員のサイン以外は，MS ワードを使用して作成すること．
2. ひな型のファイルは下記の都市社会工学専攻ホームページからダウンロードできる．
3. 主/副の指導教員のサインは直筆とする．
4. 提出先 PandA サイト：　**[2025 CE_UM] D1 (Enrolled in Apr.)_Portfolio**

- **教務情報**の WEB ページ（http://www.um.t.kyoto-u.ac.jp/ja/oncampus/kyomu2025）
- **健康診断**（掲示あり）
  Web 問診票の事前入力（http://www.hoken.kyoto-u.ac.jp/service/healthcheck/student/），受検日の前日までに入力．
  採尿容器（早朝尿），学生証を持参．
  桂　：4 月 23 日（水）　午前　女子：　9:00～9:25　男子：9:45～11:30
  午後　女子：13:15～13:40　男子：14:00～15:45
  場所：船井交流センター2F　対象：桂地区の学生
  宇治：4 月 21 日（月）　男子：9:30～12:00　女子：14:00～15:00
  場所：木質ホール 3F　対象：宇治地区の学生
  ＊本部（吉田）でも受検可能（詳細は各自で確認）
- 日本学生支援機構奨学金
  詳細は桂 C クラスター事務室まで
- 傷害保険（学研災および付帯賠責）への加入．
  https://www.kyoto-u.ac.jp/ja/education-campus/campuslife/Insurance
- レポート試験の取り扱いについて (資料 5)

(4) その他の連絡【数分程度】
- 京都大学大学院共通「研究公正と倫理」
- 情報セキュリティ対策

(5) **環境安全衛生教育**（4 月 2 日（水）15:30～日本語，16:15～英語，オンライン）
https://kyoto-u-edu.zoom.us/j/96962200103?pwd=OBt3tac2GIOTNWSe545gMaudE6kzks.
ミーティング ID: 969 6220 0103
パスコード: 099147
<PDF>
https://drive.google.com/file/d/1qq4xH0NduHhtmqAON1orOEj78ITsrpqH/view?usp=share_link
<冊子体>
https://www.emc.t.kyoto-u.ac.jp/ja/activities/manual

Dept. of Civil and Earth Resources Eng. and Dept. of Urban Management
Guidance for The First Year Students in Doctoral Program
(Date: 15:30 - 16:15, Friday, April 4th, 2025, C1-191)

(1) **Message from The Heads of Departments** [few minutes: Opening Remarks and Introduction of Staff]

- The Heads of Departments
  Prof. Eiichi Fukuyama (Civil and Earth Resources Eng., Room C1-1-112)
  Prof. Masamitsu Onishi (Urban Management, Room C1-2-332)
- Educational Affairs
  Assoc. Prof. Ryota Hashimoto (Civil and Earth Resources Eng., Room C1-2-236)
  Contact to: hashimoto.ryota.6e@kyoto-u.ac.jp
- Assistant to Educational Affairs
  Assoc. Prof. Yoshitaka Nara (Civil and Earth Resources Eng., Room C1-3-356)

(2) **Overview of Handouts**

- Guidance for the First Year Students in Doctoral Program (this booklet)
- Educational Guidelines (Japanese handouts)（2025 年度大学院学習要覧）
- Brochure on Research Integrity, Brochure on Research Data Management, Information Security Measures, etc.

(3) **Instructions on Registration** [Educational Affairs, 15 minutes (approx.)] (document no.2)

- **Requirements for Completion** and Credits → Educational Guidelines (see appendix)
  Advanced Engineering Course Program of the Department of Civil and Earth Resources Eng. (pp.55-59)
  Advanced Engineering Course Program of the Department of Urban Management (pp.60-64)
- Subjects for doctoral course → Educational Guidelines (see appendix)
  Advanced Engineering Course Program of the Department of Civil and Earth Resources Eng. (pp.56-57)
  Advanced Engineering Course Program of the Department of Urban Management (pp.61-62)
  - Integrated Seminar on Infrastructure Engineering A&B /Urban Management A&B (document no.4-1)
  - ORT on Infrastructure Engineering A&B /Urban Management A&B (document no.4-2)
- Internship on Infrastructure Engineering (Dept. Civil and Earth Resources Eng.) & Long-Term Internship (Dept. Urban Management) → Students who wish to take this class must contact Prof. in charge via email by April 14. (document no.4-3)
- Biennial subjects, English subjects
- Shortening the period of study

- **Class Registration**
  - The classes given by the graduate school of engineering including our departments must be registered from KULASIS (a web for education). The schedule of the class registration is as follows;
    1. Timetable preparation: April 2 (Wed.) – April 16 (Wed.)
       After preparation of timetable, **print out the prepared class timetable** (document no.3-1) and **get a supervisor's signature** or **seal on it**, and then **submit the scanned file (pdf) of the timetable and the portfolio via PandA** (Deadline: **April 8 (Tue.) 17:00**, Deadline of submitting portfolio is earlier than class registration)
    2. Class registration: April 17 (Thu.) 0:00 – April 18 (Fri.) 24:00
       Note that the timetable preparation is just a preparation. Don't forget to fix the registration.
    3. Confirmation/Change April 23 (Wed.) 0:00 – April 24 (Thu.) 24:00
  - In this academic year, all classes are face-to-face in principle. The information about classes will be available through KULASIS and PandA. **Please register as soon as possible.**
  - Registration to the classes offered by the other graduate schools and faculties can be made on KULASIS from April 17 (Thu.) to April 18 (Fri.) with an approval of the supervisor. For classes whose

registration is not possible on KULASIS, it can be done by submitting an application form to C-Cluster Office by April 10 (Wed.). If you want to include a class offered by the other graduate schools and faculties as a credit for completion, submit an application form for credit recognition of audited courses by April 25 (Fri.). The application forms can be downloaded from the link below.
https://fsv.iimc.kyoto-u.ac.jp/public/TAWgQAUY84nAuIwBkuCHbdUN_BmBylxsz1TN0YBCgM2j

- Note that subjects you will take should be consistent with you research plan (consult with your supervisor).
- Register only for the first semester of the first year. Register for the remaining semesters during the designated registration period of the respective semester.

- **Portfolio** (document no.3)
  - Fill up your research plan and subjects you will carry out through consulting with your supervisor.
  - Scan the pertinent pages of portfolio and your class timetable (document no.3-1) as one PDF file after you get supervisors' signature on them. Then, submit it via pandA:
    [2025 CE_UM] D1 (Enrolled in Apr.)_Portfolio
  - The submission deadline is on **April 8 (Tue.) 17:00**.
  - Keep your original copy of printed portfolio in a safe place until the end of Doctor Course Program.

  [NOTE]
  1. Use MS Word template.
  2. Download the template of the portfolio from the Web site at the Department of Urban Management.
  3. Signatures of a supervisor and two sub-supervisors should be handwritten.
- Information on education affairs will be given through the Web site:
  http://www.um.t.kyoto-u.ac.jp/ja/oncampus/kyomu2025

- **Medical Checkup** (To Be Announced)
  - Medical questionnaire should be answered via Web by the day before the medical checkup. (https://www.hoken.kyoto-u.ac.jp/en)
  - Bring Urinalysis Container (urinalysis taken on the early morning of the checkup), and Student ID to the medical checkup.
  - Dates and Locations: Students are to have the checkup on the campus they mainly study.
    (It is also offered on Yoshida Campus. Please check the details by yourself)

Campus	Date	Location	Notes
Katsura	April 23th (Wed.) Female: 9:00-9:25 13:15-13:40 Male: 9:45-11:30 14:00-15:45	Funai Center (Second Floor)	For Students on Katsura Campus
Uji	April 21st (Mon.) Male: 9:30-12:00 Female:14:00-15:00	Wood Composite Hall (Third Floor)	For Students on Uji Campus

- Japan Student Services Organization Scholarship (JASSO): Visit C-Cluster Office for details.
- Insurance programs for KU students (see following web page).
  https://www.kyoto-u.ac.jp/en/current/campus-life/health-management-and-insurance-1/insurance-programs-for-ku-students.html
- The Handling of Test Reports (document no.5)

(4) **Others** [Educational affairs, few minutes]

- Research Integrity and Ethics (common to the Graduate Schools of Kyoto University)
  - The documents are also available on the web page at the Department of Urban Management. Check the web site and read them carefully.
- Information security measures

(5) **Seminar on Safety Education** (April 2 (Wed.) 15:30- in Japanese, 16:15- in English, online)
https://kyoto-u-edu.zoom.us/j/96962200103?pwd=OBt3tac2GIOTNWSe545gMaudE6kzks.1
Meeting ID: 969 6220 0103
Pass code: 099147
<PDF>
https://drive.google.com/file/d/1qwpFjBCkb0z9Ugfrr63Nwxv7yOY--cda/view?usp=share_link
<Book form>
https://www.emc.t.kyoto-u.ac.jp/ja/activities/manual

April 4, 2025

Instructions on Registration 履修指導

Requirement for the completion of the course（修了要件）

1) To study at the doctoral course at least for three years*
   * Student with exceptionally excellent grades can shorten his/ her study period.
   修了には 3 年以上の在学期間が必要（期間短縮の制度あり）.
2) To obtain at least 10 credits, including 4 credits of Core subject, more than 2 credits of Major subject and more than 4 credits of ORT subject.
   Note: Students in Department of Civil and Earth Resources Eng. have to take "Integrated Seminar on Infrastructure Engineering A&B", and students in Department of Urban Management have to take "Integrated Seminar on Urban Management A&B".
   10 単位以上（コア科目 4 単位，Major 科目 2 単位以上，ORT 科目 4 単位以上を含む）を修得すること. 都市社会工学総合セミナーA,B (都市社会工学専攻の学生)，社会基盤工学総合セミナーA,B（社会基盤工学専攻の学生）は必修である.
3) To submit the doctoral thesis and passing the final examination on the thesis
   博士論文の審査及び最終試験に合格すること.

Study and Research Plan "Portfolio"（ポートフォリオと履修登録）

Go to the website of department of Urban Management and download a copy of the portfolio form (MS-Word). Fill out the form in page 1 to 3 and then print it. Obtain supervisor and two sub-supervisor signatures in the signature space of printed portfolio. Scan the three pages of portfolio and your class timetable (document no.3-1) signed by supervisor and make one PDF file. Then, submit it via following PandA site:

[2025 CE_UM] D1 (Enrolled in Apr.)_Portfolio

You must submit it no later than **8th April (Tue.) 17:00**. (See document no.3.)

まず都市社会工学専攻ホームページより word の書式をダウンロードする．ポートフォリオの 1-3 ページに必要事項を記入し，指導教員，副指導教員(2 名)の署名を取得した後，指導教員のサインを取得した履修登録科目選択リスト（資料 3-1）と一緒にスキャナー等で PDF にして 4/8（火）17 時までに PandA から提出する（資料 3）.
⇒詳細は資料 3 に記載されているのでよく読むこと.

Others

1) Integrated Seminar on Infrastructure Engineering A&B and on Urban Management A & B
   （社会基盤工学総合セミナーA,B，都市社会工学総合セミナーA,B）(資料 4-1)
   "Integrated Seminar on Infrastructure Engineering A&B and Integrated Seminar on Urban Management A & B". (See document no.4-1)
2) ORT on Infrastructure Engineering and on Urban Management（社会基盤工学ORT & 都市社会工学ORT）
   (document no.4-2, 資料 4-2)

博士課程学生のポートフォリオの提出方法（2025 年 4 月入学者用）

How to Submit a Portfolio (for new doctoral course students in AY2025)

(1) 都市社会工学専攻の web から該当するポートフォリオ記入用ファイル(MS-Word)をダウンロードする.
Go to a website of Department of Urban Management and download a copy of the portfolio form (MS-Word).
https://www.um.t.kyoto-u.ac.jp/ja/oncampus/kyomu2025

(2) ダウンロードしたポートフォリオ記入用ファイルの記入指定個所（＊下記参照）に必要事項を記入して印刷する.
Fill out the form in designated pages (see below＊) and then print it.

(3) 主指導教員と副指導教員（2 名）に印刷したポートフォリオを提出し，署名欄にサインをいただく．また，履修登録科目選択リストを印刷したものにも主指導教員のサインをいただく（別紙参照）.
Obtain supervisor and two sub-supervisor signatures in the signature space of printed portfolio. In addition, print out your prepared class timetable and get a supervisor's signature or seal on it.

(4) 印刷したポートフォリオの該当ページと履修登録科目選択リストをスキャナー等でまとめて一つの PDF ファイルにして PandA から提出する.
Scan the pertinent pages of portfolio and your class timetable as one PDF file. Then, submit it via PandA.

ポートフォリオ提出先 PandA サイト Submit a portfolio via following PandA site

[2025 CE_UM] D1 (Enrolled in Apr.)_Portfolio

（注意１）ファイルサイズに気をつけること．100kb 程度が望ましい.
（注意２）ファイル名は，“学生番号（10 桁半角）+専攻名（CE or UM）+氏名.pdf”とすること
(例) 123456890_CE_山田太郎.pdf

Note 1: Be sure to have appropriate file size. Preferred file size is around 100kb.
Note 2: File name must be written as follows:
"Student ID number (half-size 10-degit number)＋student's department (CE or UM)+Student's name.pdf"
(Example) 1234567890_CE_TaroYamada.pdf

(5) 印刷したポートフォリオの原本については修了時まで各自大切に保管する.
Keep your original copy of printed portfolio in a safe place until the end of Doctor Course Program.

＊博士課程ポートフォリオの記入指定箇所

- **入学時→博士課程ポートフォリオ　1-3 ページ**

  提出期限：2025 年 4 月 8 日 17:00 厳守（記入指定個所ページを PDF 化して PandA から提出）

- 第 1 学年・第 1 セメスター終了時→博士課程ポートフォリオ　4 ページ
  提出期限：2025 年 9 月末予定（記入指定個所ページを PDF 化して PandA から提出）
- 第 1 学年・第 2 セメスター終了時→博士課程ポートフォリオ　5 ページ
  提出期限：2026 年 4 月中旬予定（記入指定個所ページを PDF 化して PandA から提出）
- 第 2 学年・第 3 セメスター終了時→博士課程ポートフォリオ　6 ページ
  提出期限：2026 年 9 月末予定（記入指定個所ページを PDF 化して添 PandA から提出）

・ 第 2 学年・第 4 セメスター終了時→博士課程ポートフォリオ　7 ページ
　提出期限：2027 年 4 月中旬予定（記入指定個所ページを PDF 化して PandA から提出）
・ 第 3 学年・第 5 セメスター終了時→博士課程ポートフォリオ　8 ページ
　提出期限：2027 年 9 月末予定（記入指定個所ページを PDF 化して PandA から提出）
・ 第 3 学年・第 6 セメスター終了時→博士課程ポートフォリオ　9 ページ
　提出期限：2028 年 1 月頃予定（全てのページを PDF 化して PandA から提出）

* Below are pages that students must fill in for master's portfolio

・ **at school entry: Fill in page 1-3 of Academic Portfolio (for Doctor Course)**
　Deadline: by 17:00 on April 8th, 2025 (must submit filled form in a PDF file via PandA.)
・ after the end of the 1st semester in the 1st Year : Fill in page 4
　Schedule Deadline: late September in 2025 (must submit filled form in a PDF file via PandA.)
・ after the end of the 2nd semester in the 1st Year : Fill in page 5
　Schedule Deadline: mid-April in 2026 (must send submit form in a PDF file via PandA.)
・ after the end of the 3rd semester in the 2nd Year : Fill in page 6
　Schedule Deadline: late September in 2026 (must submit filled form in a PDF file via PandA.)
・ after the end of the 4th semester in the 2nd Year : Fill in page 7
　Schedule Deadline: mid-April in 2027 (must submit filled form in a PDF file via PandA.)
・ after the end of the 5th semester in the 3rd Year : Fill in page 8
　Schedule Deadline: late September in 2027 (must submit filled form in a PDF file via PandA.)
・ after the end of the 6th semester in the 3rd Year : Fill in page 9
　Schedule Deadline: late January in 2028 (must submit all pages 1-9 in a PDF file via PandA.)

京都大学工学研究科　社会基盤工学専攻・都市社会工学専攻
ポートフォリオ（博士後期課程）　2024 年 4 月入学者用

Academic Portfolio (for Doctor Course, Dept. of Civil and Earth Resources Eng. and Dept. of Urban Management)

			2025 年　4 月　入学 Entered Apr. 2025
専攻名 Department	学生番号 Student ID	コース Course 高度･融合(分野) Advanced or Interdisciplinary(field)	氏　名　Name

所属分野 Laboratory	主指導教員 Supervisor	副指導教員 (1) Sub-supervisor 1	副指導教員 (2) Sub-supervisor 2

現住所　Current address

現		TEL(固定, fixed)	
住		TEL(携帯, cp)	
所		E-mail	

		TEL(固定, fixed)	
		TEL(携帯, cp)	
		E-mail	

		TEL(固定, fixed)	
		TEL(携帯, cp)	
		E-mail	

		TEL(固定, fixed)	
		TEL(携帯, cp)	
		E-mail	

帰省先　Hometown address

帰		TEL (1)	
省		FAX or TEL (2)	
先		E-mail	

		TEL (1)	
		FAX or TEL (2)	
		E-mail	

学習目標 Your goals

所属専攻、コースにおいて修了に必要な単位 Credits required for completion
（大学院学習要覧を参考にして記入）

科目区分 Subject category	単位数 Credits 博士後期課程 Ph.D. Program
コア科目 Core	単位以上
Major 科目	単位以上
Minor 科目	単位以上
演習・ORT・インターンシップ科目	単位以上
その他の科目 Others	単位以上
合 計 Total	単位以上

資格・公的試験の目標 Your plans on acquisition of professional licenses/qualifications

資格等の名前 Category	取得予定年月 Planned date	実際の取得年月 Actual date	備考 Remark

大学院在籍中の勉学目標 Your study goals in Ph.D. program

その他の目標 Other goals

テーラーメイド学習計画 Study/Research Plan

入学年月 Entered	コース Course 高度・融合(分野) Advanced or Interdisciplinary(Name)	氏　　名 Name
2023 年 4 月 Apr. 2023		

一般科目 Course works（単位 credits）

年・セメスター Year/Semester		コア科目 Core	Major 科目	Minor 科目	演習 ORT 等	その他 Others
1年 1st year	1	単位	単位	単位	単位	単位
	科目名 Subject					
	2	単位	単位	単位	単位	単位
	科目名 Subject					
2年以降 2nd year or later		単位	単位	単位	単位	単位
	科目名 Subject					
合　計 Total		単位	単位	単位	単位	単位

研究論文（博士論文） Dissertation

論文予定題目 Title	
研究目的・計画 Purpose/Plan	

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

学習の状況

Your progress and self-evaluation in the first semester (to be filled after the first semester)

履修科目名 Subject	科目区分 Subject category (Core, Major, Minor, ORT, Others)	単位 Credit	合否 Pass/fail

取得単位数 Credits acquired

	Core	Major	Minor	演習, ORT, Seminar 等	その他 Others	合計 total
今期 In this semester						単位
積算 Total						単位

研究論文(博士論文)及び演習 Dissertation study

研究題目 Title		
研究経過 Progress		
目標到達度と今後の課題 Goals and Challenges		
社会基盤工学 ORT / 都市社会工学 ORT 活動内容と獲得ポイント ORT points and activities		今期取得ポイント Points acquired in this semester 積算取得ポイント Total points

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

学習の状況

Your progress and self-evaluation in the second semester (to be filled after the second semester)

履修科目名 Subject	科目区分 Subject category (Core, Major, Minor, ORT, Others)	単位 Credit	合否 Pass/fail

取得単位数 Credits acquired

	Core	Major	Minor	演習, ORT, Seminar 等	その他 Others	合計 total
今期 In this semester						単位
積算 Total						単位

研究論文(博士論文)及び演習 Dissertation study

研究題目 Title		
研究経過 Progress		
目標到達度と今後の課題 Goals and Challenges		
社会基盤工学 ORT / 都市社会工学 ORT 活動内容と獲得ポイント ORT points and activities		今期取得ポイント Points acquired in this semester 積算取得ポイント Total points

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

学習の状況

Your progress and self-evaluation in the third semester (to be filled after the third semester)

履修科目名 Subject	科目区分 Subject category (Core, Major, Minor, ORT, Others)	単位 Credit	合否 Pass/fail

取得単位数 Credits acquired

	Core	Major	Minor	演習, ORT, Seminar 等	その他 Others	合計 total
今期 In this semester						単位
積算 Total						単位

研究論文(博士論文)及び演習 Dissertation study

研究題目 Title		
研究経過 Progress		
目標到達度と今後の課題 Goals and Challenges		
社会基盤工学 ORT / 都市社会工学 ORT 活動内容と獲得ポイント ORT points and activities		今期取得ポイント Points acquired in this semester 積算取得ポイント Total points

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

学習の状況

Your progress and self-evaluation in the fourth semester (to be filled after the forth semester)

履修科目名 Subject	科目区分 Subject category (Core, Major, Minor, ORT, Others)	単位 Credit	合否 Pass/fail

取得単位数 Credits acquired

	Core	Major	Minor	演習, ORT, Seminar 等	その他 Others	合計 total
今期 In this semester						単位
積算 Total						単位

研究論文(博士論文)及び演習 Dissertation study

研究題目 Title		
研究経過 Progress		
目標到達度と今後の課題 Goals and Challenges		
社会基盤工学 ORT / 都市社会工学 ORT 活動内容と獲得ポイント ORT points and activities		今期取得ポイント Points acquired in this semester 積算取得ポイント Total points

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

学習の状況

Your progress and self-evaluation in the fifth semester (to be filled after the fifth semester)

履修科目名 Subject	科目区分 Subject category (Core, Major, Minor, ORT, Others)	単位 Credit	合否 Pass/fail

取得単位数 Credits acquired

	Core	Major	Minor	演習, ORT, Seminar 等	その他 Others	合計 total
今期 In this semester						単位
積算 Total						単位

研究論文(博士論文)及び演習 Dissertation study

研究題目 Title		
研究経過 Progress		
目標到達度と今後の課題 Goals and Challenges		
社会基盤工学 ORT / 都市社会工学 ORT 活動内容と獲得ポイント ORT points and activities		今期取得ポイント Points acquired in this semester 積算取得ポイント Total points

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

学習の状況

Your progress and self-evaluation in the sixth (to be filled after the sixth semester)

履修科目名 Subject	科目区分 Subject category (Core, Major, Minor, ORT, Others)	単位 Credit	合否 Pass/fail

取得単位数 Credits acquired

	Core	Major	Minor	演習, ORT, Seminar 等	その他 Others	合計 total
今期 In this semester						単位
積算 Total						単位

研究論文(博士論文)及び演習 Dissertation study

研究題目 Title		
研究経過 Progress		
目標到達度と今後の課題 Goals and Challenges		
社会基盤工学 ORT / 都市社会工学 ORT 活動内容と獲得ポイント ORT points and activities		今期取得ポイント Points acquired in this semester
		積算取得ポイント Total points

指導教員の署名欄 Approval from your supervisors (to be signed by your supervisors)

主指導教員 Supervisor	副指導教員 Sub-supervisor 1	副指導教員 Sub-supervisor 2

社会基盤工学専攻（高度工学コース（3年型））および都市社会工学専攻（高度工学コース（3年型））における標準的な履修計画（**ポートフォリオ３ページ**）

An example of standard study plan for students in Advanced Engineering Course Program

○社会基盤工学専攻（高度工学コース（3年型））(Dept. of Civil and Earth Resources Eng., 3 years)

一般科目 Course works（単位 credits）

年・セメスター Year/Semester		コア科目 Core	Major 科目	Minor 科目	演習 ORT 等	その他 Others
1年 1st year	1	2 単位	(2) 単位	単位	(4) 単位	単位
	科目名 Subject	社会基盤工学総合セミナーA	社会基盤工学総合実習 A		社会基盤工学 ORT	
	2	2 単位	(2) 単位	単位	(4) 単位	単位
	科目名 Subject	社会基盤工学総合セミナーB	社会基盤工学総合実習 B		社会基盤工学 ORT	
2年以降 2nd year or later		単位	単位	単位	(4) 単位	単位
	科目名 Subject				社会基盤工学 ORT	
合 計 Total		4 単位	2 単位	単位	4 単位	単位

○都市社会工学専攻（高度工学コース（3年型））(Dept. of Urban Management, 3 years)

一般科目 Course works（単位 credits）

年・セメスター Year/Semester		コア科目 Core	Major 科目	Minor 科目	演習 ORT 等	その他 Others
1年 1st year	1	2 単位	(2) 単位	単位	(4) 単位	単位
	科目名 Subject	都市社会工学総合セミナーA	都市社会工学総合実習 A		都市社会工学 ORT	
	2	2 単位	(2) 単位	単位	(4) 単位	単位
	科目名 Subject	都市社会工学総合セミナーB	都市社会工学総合実習 B		都市社会工学 ORT	
2年以降 2nd year or later		単位	単位	単位	(4) 単位	単位
	科目名 Subject				都市社会工学 ORT	
合 計 Total		4 単位	2 単位	単位	4 単位	単位

履修登録科目選択リスト

んの科目選択状況です。

指導教員サインまたは印

2017/04/20

学生番号

※候補科目設定だけでは，履修登録申込は完了していません。
履修登録期間(04/20(木) 00:00 ～ 04/24(月) 24:00）に，各曜時限1科目を決定し，履修登録してください。
なお，事前に申込が必要な科目は履修登録期間までに反映します。予備登録した科目が反映されていない場合は，窓口までお問い合せください。

曜時限		科目名	担当教員	区分	旧群	単位数	開講期	教室
月	1							
	2	(全共)日本語コミュニケーションの特徴	パリハワダナ　ルチラ	人社群	A群	2	前期	1共03
	3	(全共)英語ライティング－リスニングA EW57b	TEETER，Jennifer Louise	外国語群	C群	2	前期	4共14
	4	(全共)情報基礎［工学部］（電気電子工学科）	原田　博司	情報群		2	前期	総合研究9号館NSホール
	5							
火	1							
	2	(全共)熱力学	阪上　雅昭	自然群	B群	2	前期	共南11
	3	(全共)微分積分学（講義・演義）A	浅岡　正幸 他	自然群	B群	3	前期	共西32
	4	(全共)南アジアの政治と社会	中溝　和弥	人社群	A群	2	前期	教育院棟講義室31
	5	(工) 電気回路基礎論	久門　尚史			2	前期	電気総合館電総大
水	1							
	2	(全共)ラテン・アメリカ現代社会論	村上　勇介	人社群	A群	2	前期	共北26
	3	(全共)線形代数学（講義・演義）A	岸本　大祐	自然群	B群	3	前期	共西32
	4	(全共)物理学基礎論A	松田　和博	自然群	B群	2	前期	4共11
	5	(全共)自然現象と数学	佐藤　亨	自然群	B群	2	前期	総合研究9号館北棟1階ND2

曜時限		科目名	担当教員	区分	旧群	単位数	開講期	教室
木	1	(全共)スポーツ実習IA ［バドミントン］	杉本　寛恵	健康群	D群	1	前期	総合体育館
	2	(全共)中国語IA（演習） C1217	道坂　昭廣	外国語群	C群	2	前期	情報メ301(CALL)
	3	(全共)論理学I	安部　浩	人社群	A群	2	前期	共南11
	4	(全共)神経科学の基礎	水原　啓暁	自然群	B群	2	前期	4共30
	5							
金	1	(全共)英語リーディング ER57	横山　仁視	外国語群	C群	2	前期	共北35
	2	(全共)微分積分学（講義・演義）A (全共)線形代数学（講義・演義）A	浅岡　正幸 他 岸本　大祐	自然群 自然群	B群 B群	* *	前期 前期	共西32 共西32
	3	(全共)中国語IA（文法） C1117	前田　尚香	外国語群	C群	2	前期	共西11
	4							
	5							

●その他(集中講義等)

曜時限	科目名	担当教員	区分	旧群	単位数	開講期	教室

[資料 4-1, document no.4-1]

April 4, 2025

社会基盤工学総合セミナー**A**（2 単位）・B（2 単位）
都市社会工学総合セミナー**A**（2 単位）・B（2 単位）
について

Outline of

Integrated Seminar on Infrastructure Engineering A (Two Credits) & B (Two Credits)
Integrated Seminar on Urban Management A (Two Credits) & B (Two Credits)

1st semester：5th period (16:45-18:15) on Friday (Katsura Campus C1 Room 173)

2nd semester：5th period (16:45-18:15) on Tuesday (Katsura Campus C1 Room 173)

[Outlines of the Seminar]

このセミナーを受講する学生は，社会基盤工学・都市社会工学に関連する課題，各自の博士論文での研究内容や国際学会で発表した内容について，英語でプレゼンテーションする．発表者は，発表者の専門分野に精通していない出席者も理解できるようにわかりやすく説明することが求められる．なお，両セミナー（社会基盤工学および都市社会工学）は同時に開催される．

セミナーA と B は一体として運営し，1 回目の発表でセミナーA の 2 単位を認定し，2 回目の発表でセミナーB の 2 単位を認定する．なお，同じ内容を 2 回発表することは認められない．発表時間は 10 分，討議は 10 分程度を予定している．発表は対面で実施する予定である．セミナーには各回とも複数の教員の参加を予定している．なお，セミナーB への参加の意思確認は，10 月初旬に再度行う予定である．

また，数ページ程度のレジュメ(英語)の準備が推奨される．発表スケジュールは，参加者の意向を踏まえて 4 月末までに決定し，各回 3～4 名程度の発表者を割り当てる．

上記の実施方法について変更がある場合，高谷准教授より連絡する。

Students joining these seminars are requested to make a presentation in English on the subjects related to infrastructure engineering / urban management, his/her research works which will be a part of the doctoral thesis, or the contents that the student has already presented at an international conference. The presentation should be organized so that non-professional participants can understand it. These seminars for Infrastructure Engineering and Urban Management are held together.

The credit of Seminar A (2 credits) is acknowledged for the first presentation, and that of Seminar B (2 credits) is acknowledged for the second presentation. Students must present different topics and contents at each seminar. The time assigned for presentation and following discussion are ten minutes, respectively. Presentations will be conducted in-person. Several professors will join the seminar to facilitate the discussion. The intention of participating in Seminar B will be confirmed again at the beginning of October.

The speaker is recommended to prepare a few pages of English handout about the presentation to enhance a better understanding and deepen discussion. The schedule of the seminars will be determined by the end of April considering the students schedule. Three or four speakers will be assigned to each session.

If there are some changes in the above plan, you will receive a notice from Assoc. Prof. Takaya.

[Schedule]

April 4-11： The students who want to join this seminar must access the following form or QR code:

https://forms.gle/SdmNuzAB5cjuXkT47

Deadline is 12AM, 11th April.

Contact: Assoc. Prof. Satoshi Takaya (E-mail: takaya.satoshi.4n@kyoto-u.ac.jp)

(There is no class on 11th April.)

April 12~： The professor will reply to your e-mail for confirmation, and inquire about the theme and the date of presentation, etc., and determine the schedule of the 1st semester.

May - July： Presentation and Discussion (<u>These seminars are not held in April.</u>)

After your presentation, submit PDF file of your presentation file to PandA as soon as possible.

社会基盤工学総合セミナーA/都市社会工学総合セミナーA　2025

対面で実施予定です.

プレゼンテーションと代替レポートに関する注意

①（プレゼンテーションについて）

- 発表時間は一人 20 分(発表 10 分　質疑応答 10 分),各自の PC をプロジェクターに接続しパワーポイント（あるいはその他の発表ツール）で発表すること.
- 発表の 2 日前までに，数枚程度のレジュメ（PDF ファイル）を用意して PandA に提出すること.（パワーポイント等の PDF ファイルでも良い）
- 発表終了後，速やかにパワーポイントの PDF ファイルを PandA に提出すること.

②（欠席した場合の代替レポートについて）

(a) 60%以上の出席がない場合，不合格と判定されるので注意して下さい.

出席回数が足りない場合は，代替のレポート提出をもって出席と認めます.（提出されたレポートは審査されますが，合格基準に達しない場合には出席とは認めないので注意してください）　1回の欠席につき，1回のレポート提出が必要です.

(b) 欠席した回のプレゼン内容に関する話題を自由に設定し，図表を含めて A4 で 3～5 ページにまとめる.

(c) 英語，日本語のどちらかの言語で作成すること.

(d) 盗用・剽窃が明らかな場合は不正行為と見なすので注意すること.

(e) 参考文献や Web の情報を引用する場合はその出典を明示すること.

(f) 発表済みのパワーポイントの PDF ファイルは PandA より閲覧できるようにする予定です.

(g) レポートには氏名，所属研究室に加えて，対象としたプレゼンの情報（題目・発表者名・発表日）を明記すること.

(h) **提出締切：2025 年 7 月 25 日（金）正午**

PDF ファイルを PandA に提出すること.

※ 上記の実施方法について変更がある場合，高谷准教授（takaya.satoshi.4n@kyoto-u.ac.jp）より連絡があります.

Guideline for Presentation in Integrated Seminar on Infrastructure Engineering A / Integrated Seminar on Urban Management A

The lectures will be held in-person.

I. Oral Presentation

1) Each presenter has 20 minutes (presentation: 10 minutes + discussion: 10 minutes). The presentation should be made by PowerPoint (or other presentation tools) connecting your own PC to the projector.
2) A few pages of summary of the presentation (PDF file) should be prepared and submitted to PandA at least two days prior to the presentation. You may submit PDF file of your ppt file as summary of the presentation.
3) Submit PDF file of your presentation file to PandA immediately after the presentation.

II. Supplementary Report

More than 60% attendance is required to obtain the credit of the current seminar. Obviously, you are strongly recommended to join all the presentations and discuss actively.

When you do not satisfy the minimum required number of attendances, you may submit a supplementary report to make up for your absence. Read the following precautions regarding the report carefully.

1) Contents

   Describe your opinions and/or comments about the presentations that you missed. Include your name, affiliation laboratory, information on the presentation (title, presenter's name, date) covered in the report.

2) Length

   A4 paper, 3-5 pages including tables & figures.

3) Language

   English or Japanese

4) Deadline

   Submit your report (PDF file) to PandA by **12:00 AM on July 25 (Fri), 2025.**

5) Other remarks

   Clearly show references in your report. If you cite a website, its URL should be on the reference list.
   You should not plagiarize other papers or reports.
   Presentation files used in the seminar will be available on PandA.

※***If there are some changes in the above plan, you will receive a notice from Assoc. Prof. Takaya*** (takaya.satoshi.4n@kyoto-u.ac.jp).

社会基盤工学ORT (3 years 4 credits)

ORT on Infrastructure Engineering

都市社会工学ORT (3 years 4 credits)

ORT on Urban Management

予備検討願提出時までに計 20 ポイントを越えること。

Students are required to do the self-rating (refer to the point list below), and to get **more than 20 points in total before submission of the PhD dissertation**.
Students should fill out number of the points in the portfolio and submit it after every semester.

1ポイント： 研究室ゼミで発表（指導教員がポイントとして認めたものに限る），土木学会年次講演会などで口頭発表
1～5ポイント： 学協会主催の講習会などに出席.
3ポイント： 国際会議での英語の発表（論文が査読ありの場合は下記に準じる.）
5～10ポイント：査読つき論文（土木学会論文集，ASCE Journalなど）に第一著者あるいは共著者として掲載またはアクセプト（ポイント数は論文への貢献度や掲載誌に応じて、指導教員が決める.）

1 point: Presentation at laboratory seminar (only if supervisor agrees) / Oral presentation in the annual meeting in the Society of Civil Engineers
1-5 points: Attending the lecture held by Academic Society (Certification is required)
3 points: Presentation in English in an international conference
5-10 points: Fist author or coauthor of published and/or accepted journal papers (e.g., for Journal of Society of Civil Engineers, ASCE Journal, etc.) (Number of points is determined by your supervisor depending on level of journal and/or your contribution.)

社会基盤工学インターンシップ（社会基盤工学専攻）
長期インターンシップ（都市社会工学専攻）

１．目的

中央省庁・地方自治体および民間企業などの学外各機関における長期のインターンシップ(3 ヶ月以上)を通して、社会基盤工学および都市社会工学の各分野における実践的技術の修得を行う。また、インターンシップ期間における特定課題への取組みを通じて、課題の発見と解決手法、成果の取りまとめ手法を修得する。さらに、インターンシップ成果に関する学内発表会において、プレゼンテーション手法を修得する。

２．主な担当教員

五十里 洋行（社会基盤工学専攻）
奈良 禎太　（社会基盤工学専攻）e-mail: nara.yoshitaka.2n@kyoto-u.ac.jp，Phone: 075-383-3210

３．主な対象

社会基盤工学専攻および都市社会工学専攻の修士 1 回生（博士後期課程学生も受講可）

４．単位認定

ORT 科目 集中 選択 4 単位

５．実施条件

- 8 月～12 月中旬までの通算 3 ヶ月以上とする。ただし、連続日である必要はない。
- 大学側からの経費負担なし。学生に対する報酬支給は、受け入れ機関の規定に従う。
- 旅費（特に遠隔地の場合）は受け入れ機関・指導教員・学生本人の 3 者で協議すること。
- 参加者は傷害保険（学研災および学研賠）に加入しておくこと。
  https://www.kyoto-u.ac.jp/ja/education-campus/campuslife/Insurance

６．実施方法

（１）ガイダンス：4 月 10 日（木）　13:15～　C1-191 大講義室

（２）履修希望者は、担当教員（nara.yoshitaka.2n@kyoto-u.ac.jp）に 4 月 14 日までにメールで連絡すること。

（３）希望調査と実習先の決定（4～6 月）
実習先の選定方法は、イ）学生本人による調整、ロ）指導教員による調整、ハ）実習担当教員による調整のいずれかを選択する。上記のハ）の場合には、実習担当教員は実習希望者の情報を受入可能性のある関係各機関に送付して実習先の調整を行う。

（４）事前準備（4～6 月）
実習先決定後、該当学生は受入先と連絡を取り、①実習課題の最終決定、②実習計画書の作成（実習方法（実験／データ分析／現地調査／プログラミング／設計など），実習時期・想定期間，受入条件など）を行うとともに、③実習課題に必要な事前準備を十分に行う。

（５）実習計画書の提出（**6 月 20 日(金)**）
実習計画書を指導教員に報告し、実習計画書に指導教員の承認のサインを得た後、PDF を PandA からすること。

（６）実習実施（8～12 月中旬）
実習計画書に従って実習を実施する。

（７）成果取りまとめ及び発表（12 中旬～1 月）

- 実習成果に関する報告書を作成し、PDF を PandA から提出すること。報告書は、土木学会論文集のフォーマット（https://committees.jsce.or.jp/jjsce/j_post　参照）に従って作成し、20 ページ程度とする。締め切りは **2026 年 1 月 9 日(金)**とする。
- 発表会において、実習成果に関するプレゼンテーションを行う（**12 月中旬以降に予定**）。
- 自分の発表日の講義（発表会・3 時間を予定）にはフルで出席すること。

７．留意点

- インターンシップ実施期間は、**他の科目を原則的に履修できない**ことに注意すること。

April 1, 2025

Internship on Infrastructure Engineering (Dept. Civil and Earth Resources Eng.)
Long-Term Internship (Dept. Urban Management)

1. Objective

Through the long-term internship (longer than 3 months) outside the university, e.g., government and private companies, students can obtain the practical techniques, the way of finding and solving the problems, the way of integrating the techniques, the way of summarizing the results and making the presentation in each field of Civil and Earth Resources Engineering and Urban Management.

2. Professors in charge

- Assoc. Prof. Hiroyuki Ikari (Department of Civil and Earth Resources Engineering)

- Assoc. Prof. Yoshitaka Nara (Department of Civil and Earth Resources Engineering)
  E-mail: nara.yoshitaka.2n@kyoto-u.ac.jp, phone: 075-383-3210

3. Main target students

- 1st year in the Master Course of Civil and Earth Resources Engineering and Urban Management (doctor course students can take this course).

4. Certified credits

- 4 per year, On the Research Training, elective subject

5. Operational conditions

- Internship has to be longer than 3 months within the duration from August to mid-December. The 3 months can be divided into several parts.
- Financial support from university is NOT provided. Rewards to students are dependent of each recipient institution or company.
- Financial support for travel expenses (in particular, distant place) should be discussed among students, supervisor and recipient.
- It is highly recommended to take out accidental insurance, e.g., “Gakkensai”, “Gakkenbai”, “Gakubai”.
  https://www.kyoto-u.ac.jp/ja/education-campus/campuslife/Insurance (in Japanese)
  https://www.kyoto-u.ac.jp/en/current/campus-life/health-management-and-insurance-1/insurance-programs-for-ku-students.html
  https://kyosai.univcoop.or.jp/english/index.html

6. Operational processes

(1) Guidance: April 10 (Thu) 1:15PM in C1-191

(2) Students who wish to take this course must contact Assoc. Prof. Yoshitaka Nara via e-mail to nara.yoshitaka.2n@kyoto-u.ac.jp by April 14 (Mon).

(3) Determination of internship location

Institution or company for internship can be determined by the following three ways: i) contact by students; ii) contact by advisors; and iii) contact by professors in charge of this course. In the case of iii), students need to give their information to the professors, and the professors will contact with possible institutions.

(4) Preparation (April to June)

After determination of internship location, through discussion with the recipient, students are required to i) determine internship subject, ii) write proposal of internship with methods (experiment / data analysis / site investigation / programming / design etc.), duration, conditions, etc., and iii) to prepare anything needed for internship.

(5) Submission of proposal: June 20 (Fri)

Show your proposal to your advisor and receive a signature or a seal from your advisor. And submit your proposal in PDF format via PandA.

(6) Implementation of internship (from August to mid-December)

Implement your internships according to the proposal.

(7) Report and presentation (after mid-December)

- Submission of report: Due date: January 9 (Fri) 2026

Write a report on your results and submit in PDF format via PandA. Report should be within 20 pages in JSCE journal format.

(https://committees.jsce.or.jp/jjsce/english/formats)

- Presentation: After mid-December 2025

-You must fully attend the class for your presentation. It will be arranged for 3 hours.

7. Attention

You CANNOT take any other courses during this internship.

レポート試験の取り扱いについて

近年のインターネット技術の普及により、従来以上に、全世界のデータ（論文・報告書を含む）に容易にアクセスすることが可能となってきている。従来、定期試験におけるレポート試験において、上記のような資料を用いて答案を作成した際の取り扱いについては明確な規定がなされていなかった。

そこで、今後の取り扱いを下記のように行うので、各学生においては十分留意すること。

１．主旨

レポート試験における参考資料の取り扱いの明確化。不正行為の防止。

２．注意事項

インターネット等から入手した資料を参考にレポート試験の答案を作成する場合には、下記の注意事項に留意すること。

① レポート試験とは、教員より与えられた課題に対して、自己の考えるところを文章・図表を用いて解答するものであり、他人の著作物の単なる引用のみで構成されるものは答案とは認められない

② 自己の考えを記述するにあたり、各種の既存の情報を参考にすることは可能であるが、既存情報としてインターネット等から入手した資料（論文・報告書・図表・データなど）を引用（参考資料として、その一部を記載）することは、レポート課題に真に必要なものに留める

③ 必要により引用した場合には、参考文献として出典を本文中および末尾に明記する

④ 参考文献としての明記がないもの、あるいは明記した場合においても原文とほぼ同等の文章・図表のみで構成され、自己の考えなどの記述が全く見られないものは、故意に行ったか否かにかかわらず不正行為（工学部試験内規第 16 条）とみなされることがある

以上

The Handling of Test Reports

Due to the improvements of internet technologies in recent years, global data (including theses and reports) are easily accessed. In the past there were no regulations on how to handle test reports.

The regulations on handling test reports from now on are as follows:

1. Objective
   -Clarification on handling test reports
   -Prevention of plagiarism.

2. Warning
   -If you have written a report with references with internet materials, be aware of the directions below.

   ① Reports are given tasks from teachers and are to be written in your own words and thoughts. Reports written by copying someone else's words are unaccepted.
   ② Referring to internet materials to prove your point is acceptable, but make sure the materials relate to your report.
   ③ If you have quoted a reference, cite the source at the end of the report.
   ④ If you have used someone else's words or ideas and did not cite them, the report will be accepted as plagiarism (Laws of Engineering Examination Article 16).

Appendix:

Guidelines for Graduate School and Subject List

[Advanced Engineering Course Program]

3.1 Department of Civil and Earth Resources Engineering

(1) Educational Policy

1) Necessity of Research and Education in the Department

Our department aims to create a safe, secure, vital and sustainable society harmonizing with the environment for the living space for all living things. Our challenge is a necessary technological innovation to establish new industries and civilizations supported by social infrastructures as well as the promotion of the science technology for integrative establishment of social infrastructure (architecture) and sustainable utilization of underground resources.

2) Purpose of Education

Our purpose of education is to cultivate engineers and researchers with basic skills of engineering to deeply understand environmental problems and energy issues on a global scale and to develop new technologies from international and multiple viewpoints.

3) Goal of Education

Our goal is to foster deep basic skills of engineering through advanced and cutting-edge research or applied technology research to deal with various problems in the real society and nurture applied skills to solve problems in the real society and advanced technologies and applied skills on internationally-accepted level, setting the theme toward the following:1) Upgrading of state-of-the-art technology based on science engineering 2) Elucidation of natural disaster mechanisms and improvements on disaster mitigation technologies 3) Integrative social infrastructure architecture and improvements on its management technology, 4) Utilization of underground energy resources in a developmental and sustainable society and 5) Contribution to the solution of various problems for realizing low carbon societies.

(2) Credits required for Master degree

Subject Category	Number of Credit		
	5-year course		3-year course
	Master	Doctor	Doctor
Core subject	2 credits or more	6 credits or more	4 credits
Major subject	10 credits or more	12 credits or more	2 credits or more
Minor subject	Not especially designated	Not especially designated	Not especially designated
ORT subject	8 credits or more	12 credits or more	4 credits or more
Other subject	Under the approval of supervisors		
Total	30 credits or more	40 credits or more	10 credits or more

[NOTE]

1) Total 30 credits to complete the Master course must be included in total 40 credits to complete the Doctoral 5-year course. To continue Doctoral course in 5-year course, you must complete Master course.
2) To complete the program, you must acquire the number of the credits designated for each subject category and the total number of credits listed above.
3) Aside from designated credits above, additional requirements for Major subjects in Master course have been set depending on the educational program that you have selected. For the details, see Note (5) below.

(3) Registration Model

To be explained based on the material at the Guidance in April.

[Note for 5-year Course]

(1) For the details (syllabus) of each subject, please refer to KULASIS. Students can log in to KULASIS from https://student.iimc.kyoto-u.ac.jp
(2) The subjects with white circles(○) in the column of the Registration type are obtainable.
(3) The subjects without circles in the Subject category are regarded as "Minor subjects".
(4) "Exercise on Project Planning" and "Seminars on Infrastructure Engineering A/B" are compulsory in Master course. Students of International Course will be lectured in English and these subjects will be regarded as "English Subject (◎)".
(5) For Major subjects in Master course, you must satisfy the requirements for one of the 6 educational programs below. For the selection of your educational program, obtain your supervisor's approval in advance. Students of International Course must select "International Education Program". In principle, students are not allowed to change the educational program that has been chosen at the time of admission.

1. **Structural Division Education Program:**
   - Must take all "Continuum Mechanics", "Structural Stability", "Material and Structural System & Management", "Earthquake Engineering/Lifeline Engineering", and "Structural Engineering for Civil Infrastructure".

2. **Hydrologic Division Education Program:**
   - Must take all "Viscous Fluid Dynamics", "Hydrologic Design and Management", "Multiphase Flow Dynamics", and "Sediment Hydraulics".
   - Must take at least 3 subjects among, "Hydrology", "Free Surface Flow Dynamics", "Hydro-meteorologically based Disaster Prevention", "Water Resources Systems", "River Basin Management of Flood and Sediment", "Coastal and Urban Water Disasters Engineering", "Disaster Mitigation for Sustainable Basin Environment", "Computational Fluid Dynamics", "Hydraulic Engineering for Infrastructure Development and Management", "Applied Hydrology", "Case Studies Harmonizing Disaster Management and Environment Conservation" and "Integrated Disasters and Resources Management in Watersheds".

3. **Geomechanics Division Education Program:**
   - Must take at least 5 subjects among "Geomechanics", "Computational Geotechnics", "Construction of Geotechnical Infrastructures", "Fundamental Geofront Engineering", "Environmental Geotechnics" and "Disaster Prevention through Geotechnics".

4. **Planning Division Education Program:**
   - Must take at least 2 subjects among "Public Finance", "Urban Environmental Policy", "Quantitative Methods for Behavioral Analysis", "Intelligent Transportation Systems", "Remote Sensing and Geographic Information System", "Civic and Landscape Design", "Risk Management", "Disaster Information", "Disaster Risk Management", and "Environmental Design Research".

5. **Earth Resources and Energy Division Education Program:**
   - Must take at least 3 subjects among "Resources Development Systems", "Environmental Geosphere Engineering", "Applied Elasticity for Rock Mechanics", "Applied Mathematics in Earth Resources Engineering", "Rock Stress and Physical Properties", "Lecture on Exploration Geophysics", "Measurement in the Earth's Crust Environment", and "Energy System Management".

6. **International Education Program:**
   - Must complete 10 credits or more from English-lectured classes provided on the Subject List. Consult with your supervisor which classes to take.

(6) You must acquire 20 credits or more in total from the subjects listed in the Subject List, among the 30 credits of completion requirement for Master course.

(7) For the subjects not listed on the Subject List, you can select from Common Subjects of Graduate School of Engineering and/or the subjects of other Departments/Graduate School which your supervisor approves in Master course. For the students who passed the Joint Degree System of the Graduate School of Management, apply (8) below. However, the credits will be regarded as “Minor subjects” in any of these cases. As for the international students, non-credited Japanese Language classes are available.
(8) If the students who passed the Joint Degree System of the Graduate School of Management have completed the subjects offered by the Graduate School of Management, credits are to be admitted as the credits of the subjects of the Department of Civil and Earth Resources Engineering under the approval of the supervisor. However, the number of obtainable credits must not exceed 10 credits.
(9) The subjects with white circles (○) in the both columns of Master and Doctoral course of the Registration Type in the Subject List are available for credits in Doctoral course, only if you have never acquired those subjects in Master course.
(10) “Integrated Seminars on Infrastructure Engineering A/B” are compulsory in Doctoral course.
(11) Your course registration plan at the time of admission and change of the plan during your study must be approved at the Guidance Committee consisting of one supervisor and 2 sub-supervisors.
(12) The subject of “Geo-Risk Management” is not provided in AY2025, while this was provided for the students enrolled before AY2019.

[Note for 3-year Course]

(1) For the details (syllabus) of each subject, please refer to KULASIS. Students can log in to KULASIS from https://student.iimc.kyoto-u.ac.jp
(2) The subjects with white circles(○) in the column of the Registration type are obtainable.
(3) The subjects without circles in the Subject category are regarded as “Minor subjects”.
(4) “Integrated Seminars on Infrastructure Engineering A/B” are compulsory.
(5) For the subjects not listed on the Subject List, you can select from Common Subjects of Graduate School of Engineering (excluding Japanese course subjects) and/or the subjects of other Departments/Graduate School which your supervisor approves.
(6) Your course registration plan at the time of admission and change of the plan during your study must be approved at the Guidance Committee consisting of one supervisor and 2 sub-supervisors.

[Advanced Engineering Course Program]

3.2 Department of Urban Management

(1) Educational Policy

1) Necessity of Research and Education in the Department

To realize sustainable and internationally competitive urban systems which can assure a high quality of life, comprehensive management of urban system is indispensable. Our department, subject to preserve global and regional environment, strives to establish theories and systematic technologies for a comprehensive management of urban systems from interdisciplinary points of view integrating social science and humanity, consolidating engineering technology such as management, advanced information, social infrastructure and energy.

2) Purpose of Education

We aim to educate researchers and engineers with high capabilities of problem solutions and with advanced and comprehensive accomplishments based on engineering skills such as management technology, including social science and humanity.

3) Goal of Education

Our goal is to foster comprehensive management skills of urban system through practical and interdisciplinary research and acquire comprehensive ability to be an international leader, setting the theme toward the following: 1)social infrastructure upgrading through innovation of urban information communication technology, 2) disaster risk management in advanced information society, 3) comprehensive efficient urban system management, 4) social infrastructure maintenance for internationalization, and 5) urban management based on limited energy resource theory.

(2) Credits required for Master degree

Subject Category	Number of Credit		
	5-year course		3-year course
	Master	Doctor	Doctor
Core subject	4 credits or more	8 credits or more	4 credits
Major subject	4 credits or more	6 credits or more	2 credits or more
Minor subject	Not especially designated	Not especially designated	Not especially designated
ORT subject	8 credits or more	12 credits or more	4 credits or more
Other subject	Under the approval of supervisors		
Total	30 credits or more	40 credits or more	10 credits or more

[NOTE]

1) Total 30 credits to complete the Master course must be included in total 40 credits to complete the Doctoral 5-year course. To continue Doctoral course in 5-year course, you must complete Master course.
2) To complete the program, you must acquire the number of the credits designated for each subject category and the total number of credits listed above.
3) Aside from designated credits above, additional requirements for Major subjects in Master course have been set depending on the educational program that you have selected. For the details, see Note (5) below.

(3) Registration Model

To be explained based on the material at the Guidance in April.

[Note for 5-year Course]

(1) For the details (syllabus) of each subject, please refer to KULASIS. Students can log in to KULASIS from https://student.iimc.kyoto-u.ac.jp

(2) The subjects with white circles(○) in the column of the Registration type are obtainable.

(3) The subjects without circles in the Subject category are regarded as "Minor subjects".

(4) "Information Technology for Urban Society" and "Seminars on Urban Management A/B" are compulsory in Master course. "Exercise on Project Planning" and "Capstone Project" are both elective compulsory subjects; you must select either of them.

※ International students, who do not speak Japanese, must take one of the English-lectured classes (subjects with ◎) provided on the Subject List as Core subject instead of "Information Technology for Urban Society" under supervisor's approval.

※ As for "Seminar on Urban Management A/B", "Exercise on Project Planning" and "Capstone Project", students of International Course will be lectured in English and these subjects will be regarded as "English Subject (◎)".

(5) For Major subjects in Master course, you must satisfy the requirements for one of the 6 educational programs below. For the selection of your educational program, obtain your supervisor's approval in advance. Students of International Course must select "International Education Program in Urban and Regional Development". In principle, students are not allowed to change the educational program that has been chosen at the time of admission.

1. **Structural Division Education Program:**
   - Must take all "Continuum Mechanics", "Structural Stability", "Material and Structural System & Management", "Earthquake Engineering/Lifeline Engineering", and "Structural Engineering for Civil Infrastructure".

2. **Hydrologic Division Education Program:**
   - Must take all "Viscous Fluid Dynamics", "Hydrologic Design and Management", "Multiphase Flow Dynamics", and "Sediment Hydraulics".
   - Must take at least 3 subjects among, "Hydrology" "Free Surface Flow Dynamics", "Hydro-meteorologically based Disaster Prevention", "Water Resources Systems", "River Basin Management of Flood and Sediment", "Coastal and Urban Water Disasters Engineering", "Disaster Mitigation for Sustainable Basin Environment", "Computational Fluid Dynamics", "Hydraulic Engineering for Infrastructure Development and Management", "Applied Hydrology", "Case Studies Harmonizing Disaster Management and Environment Conservation" and "Integrated Disasters and Resources Management in Watersheds".

3. **Geomechanics Division Education Program:**
   - Must take at least 5 subjects among "Geomechanics", "Computational Geotechnics", "Construction of Geotechnical Infrastructures", "Fundamental Geofront Engineering", "Environmental Geotechnics", and "Disaster Prevention through Geotechnics".

4. **Planning Division Education Program:**
   - Must take at least 2 subjects among "Public Finance", "Urban Environmental Policy", "Quantitative Methods for Behavioral Analysis", "Intelligent Transportation Systems", Remote Sensing and Geographic Information System", "Civic and Landscape Design", "Risk Management", "Disaster Information", "Disaster Risk Management", and "Environmental Design Research".

5. **Earth Resources and Energy Division Education Program:**
   - Must take at least 3 subjects among "Resources Development Systems", "Environmental Geosphere Engineering", "Applied Elasticity for Rock Mechanics", "Applied Mathematics in Earth Resources Engineering", "Rock Stress and Physical

Properties", "Lecture on Exploration Geophysics", "Measurement in the Earth's Crust Environment", and "Energy System Management".

6. <u>International Education Program:</u>

- Must complete more than 4 credits from English-lectured classes (subjects with ◎) provided in the Subject List except for one subject as Core subject above-mentioned (4). Consult with your supervisor and decide which classes to take.

(6) You must acquire 20 credits or more in total from the subjects listed in the Subject List, among the 30 credits of completion requirement for Master course.
(7) For the subjects not listed on the Subject List, you can select from Common Subjects of Graduate School of Engineering and/or the subjects of other Departments/Graduate School which your supervisor approves in Master course. For the students who passed the Joint Degree System of the Graduate School of Management, apply (8) below. However, the credits will be regarded as "Minor subjects" in any of these cases. As for the international students, non-credited Japanese Language classes are available.
(8) If the students who passed the Joint Degree System of the Graduate School of Management have completed the subjects offered by the Graduate School of Management, credits are to be admitted as the credits of the subjects of the Department of Urban Management under the approval of the supervisor. However, the number of obtainable credits must not exceed 10 credits.
(9) The subjects with white circles (○) in the both columns of Master and Doctoral course of the Registration Type in the Subject List are available for credits in Doctoral course, only if you have never acquired those subjects in Master course.
(10) Both "Integrated Seminar on Urban Management A and B" are compulsory in Doctoral course.
(11) Your course registration plan at the time of admission and change of the plan during your study must be approved at the Guidance Committee consisting of one supervisor and 2 sub-supervisors.
(12) The subject of "Geo-Risk Management" is not provided in AY2025, while this was provided for the students enrolled before AY2019.

[Note for 3-year Course]

(1) For the details (syllabus) of each subject, please refer to KULASIS. Students can log in to KULASIS from https://student.iimc.kyoto-u.ac.jp
(2) The subjects with white circles(○) in the column of the Registration type are obtainable.
(3) The subjects without circles in the Subject category are regarded as "Minor subjects".
(4) If you take "Information Technology for Urban Society", the credit will be added as "Minor" subject
(5) Both "Integrated Seminar on Urban Management A and B" are compulsory.
(6) For the subjects not listed in the Subject List, you can select from Common Subjects of Graduate School of Engineering (excluding Japanese course subjects) and/or the subjects of other Departments/Graduate School which your supervisor approves.
(7) Your course registration planning at the time of admission and change of the plan during your study will be approved at the Guidance Committee consisting of one supervisor and 2 sub-supervisors.

Subject List (Advanced Engineering Course Program of the Department of Civil and Earth Resources Engineering)

Subject code	Subject	Instructor	Number of hours per week		Credit	Subject category			Registration type		
									5 years		3 years
			1st semester	2nd semester		Core	Major	ORT	Master	Doctor	Doctor
10F251	▼Exercise on Project Planning （自主企画プロジェクト）	Related instructors	2	2	2	○			Compulsory		
10U051	◎Integrated Seminar on Infrastracture Engineering A （社会基盤工学総合セミナーA）	Related instructors	2		2	○				Compulsory	Compulsory
10U052	◎Integrated Seminar on Infrastracture Engineering B （社会基盤工学総合セミナーB）	Related instructors		2	2	○				Compulsory	Compulsory
10U055	Seminar on Infrastructure Engineering A （社会基盤工学セミナーA）	Related instructors	(4)	(4)	4			○	Compulsory		
10U056	Seminar on Infrastructure Engineering B （社会基盤工学セミナーB）	Related instructors	(4)	(4)	4			○	Compulsory		
10U059	Internship on Infrastructure Engineering （社会基盤工学インターンシップ）	Related instructors	Intensive		4			○	○	○	○
10F063	Practice in Infrastructure Engineering （社会基盤工学実習）	Related instructors		2	2			○	○		
10U060	▼ORT on Infrastructure Engineering （社会基盤工学ORT）	Related instructors	(4)	(4)	4			○		○	○
10U064	▼Practice in Advanced Infrastructure Engineering A （社会基盤工学総合実習A）	Related instructors	(2)		1		○			○	○
10U065	▼Practice in Advanced Infrastructure Engineering B （社会基盤工学総合実習B）	Related instructors		(2)	1		○			○	○
10F003	Continuum Mechanics （連続体力学）	Saito	2		2		○		○	○	○
10F067	◎Structural Stability （構造安定論）	Yagi, Kitane	2		2		○		○	○	○
10F068	◎Material and Structural System & Management （材料・構造マネジメント論）	Yamamoto, Takaya	2		2		○		○	○	○
10F261	◎Earthquake Engineering/Lifeline Engineering （地震・ライフライン工学）	Furukawa, Igarashi (DPRI)	2		2		○		○	○	○
10W001	◎Structural Engineering for Civil Infrastructure （社会基盤構造工学）	Related instructors		2	2		○		○	○	○
10F009	◎Structural Design （構造デザイン）	Takahashi, Kitane		2	2		○		○	○	○
10F010	◎Bridge Engineering （橋梁工学）	Yagi, Kitane, Matsumiya, Noguchi, Matsumoto		2	2		○		○	○	○
10A019	Concrete Structural Engineering （コンクリート構造工学）	Takahashi, Yamamoto, Takaya, Nakamura (Part-time Lecturer)		2	2		○		○	○	○
10F227	Structural Dynamics （構造ダイナミクス）	Takahashi, Igarashi (DPRI)	2		2		○		○	○	○
10F263	Seismic Engineering Exercise （サイスミックシミュレーション）	Takahashi, Hiroyuki Goto (DPRI)		2	2		○		○	○	○
10F415	Ecomaterial Design （環境材料設計学）	Yamamoto, Takaya, Sato (Part-time Lecturer)	2		2		○		○	○	○
10F089	Infrastructure Safety Engineering （社会基盤安全工学）	Ohta, Yasuda		2	2		○		○	○	○
10A216	◎○Hydrology （水文学）	Tachikawa, Ichikawa, Tomohiro Tanaka (DPRI)		2	2		○		○	○	○
10A040	Sediment Hydraulics （流砂水理学）	Hitoshi Gotoh, Harada	2		2		○		○	○	○
10F464	Hydrologic Design and Management （水工計画学）	Tachikawa, Ichikawa, Tomohiro Tanaka (DPRI)	2		2		○		○	○	○
10F270	Viscous Fluid Dynamics （粘性流体力学）	Hitoshi Gotoh, Sanjou (DPRI), Ikari, Shimizu	2		2		○		○	○	○
10F271	Multiphase Flow Dynamics （混相流体力学）	Harada, Onda, Ikari, Tasaki		2	2		○		○	○	○
10F272	Free Surface Flow Dynamics （自由表面流れの力学）	Harada, Onda, Tasaki	2		2		○		○	○	○
10F267	□Hydro-meteorologically based Disaster Prevention （水文気象防災学）	Sayama (DPRI), Yamaguchi (DPRI), Tomohiro Tanaka (DPRI)	2		2		○		○	○	○
10A222	□Water Resources Systems （水資源システム論）	Hori (DPRI), Kenji Tanaka (DPRI), Yorozu (DPRI)	2		2		○		○	○	○
10F077	□River Basin Management of Flood and Sediment （流域治水砂防学）	Sumi (DPRI), Kawaike (DPRI), Takebayashi (DPRI)	2		2		○		○	○	○
10F269	○Coastal and Urban Water Disasters Engineering （沿岸・都市防災工学）	Igarashi (DPRI), Mori (DPRI), Yoneyama (DPRI), Shimura (DPRI)	2		2		○		○	○	○
10F466	○Disaster Mitigation for Sustainable Basin Environment （流域環境防災学）	Sanjou (DPRI), Nakatani (DPRI), Baba (DPRI), Kobayashi (DPRI)	2		2		○		○	○	○
10F011	◎Computational Fluid Dynamics （数値流体力学）	Hitoshi Gotoh, Khayyer, Ikari, Shimizu		2	2		○		○	○	○
10F065	◎Hydraulic Engineering for Infrastructure Development and Management（水域社会基盤学）	Hitoshi Gotoh, Tachikawa, Ichikawa, Harada, Khayyer, Sunmin Kim, Onda, Ikari		2	2		○		○	○	○
10F100	◎Applied Hydrology （応用水文学）	Hori (DPRI), Kenji Tanaka (DPRI), Kantoush (DPRI), Yorozu (DPRI), Kobayashi (DPRI)	2		2		○		○	○	○
10F103	◎Case Studies Harmonizing Disaster Management and Environment Conservation（環境防災生存科学）	Mori (DPRI), Kawaike (DPRI), Sayama (DPRI), Yamaguchi (DPRI), Shimura (DPRI), Labournat (DPRI)	2		2		○		○	○	○
10F106	◎Integrated Disasters and Resources Management in Watersheds （流域管理工学）	Yoneyama (DPRI), Kawaike (DPRI), Sanjou (DPRI), Nakatani (DPRI), Takebayashi (DPRI), Baba (DPRI), Yamanoi (DPRI)		2	2		○		○	○	○
10F025	Geomechanics （地盤力学）	Higo, Iwai, Hashimoto	2		2		○		○	○	○
10K016	◎Computational Geotechnics （計算地盤工学）	Sawamura, Hashimoto, Ueda (DPRI)		2	2		○		○	○	○
10F241	Construction of Geotechnical Infrastructures （ジオコンストラクション）	Kishida, Higo		2	2		○		○	○	○
10F405	◎Fundamental Geofront Engineering （ジオフロント工学原論）	Yasuhara, Iwai	2		2		○		○	○	○
10A055	Environmental Geotechnics （環境地盤工学）	Katsumi (GSGES), Takai (GSGES)	2		2		○		○	○	○

Subject List (Advanced Engineering Course Program of the Department of Civil and Earth Resources Engineering)

Subject code	Subject	Instructor	Number of hours per week		Credit	Subject category			Registration type		
									5 years		3 years
			1st semester	2nd semester		Core	Major	ORT	Master	Doctor	Doctor
10F109	◎Disaster Prevention through Geotechnics （地盤防災工学）	Uzuoka (DPRI), Ueda (DPRI)		2	2		○		○	○	○
10F203	◎○Public Finance （公共財政論）	Onishi	2		2		○		○	○	○
10F207	Urban Environmental Policy （都市社会環境論）	Uno, Matsunaka	2		2		○		○	○	○
10F219	Quantitative Methods for Behavioral Analysis （人間行動学）	Fujii, Kawabata	2		2		○		○	○	○
10F215	Intelligent Transportation Systems （交通情報工学）	Uno, Yamada, Kosuke Tanaka		2	2		○		○	○	○
10A805	Remote Sensing and Geographic Information System （リモートセンシングと地理情報システム）	Uno, Susaki, Oba	2		2		○		○	○	○
10A808	Civic and Landscape Design （景観デザイン論）	Kawasaki, Yamaguchi, Yagi (Part-time Lecturer), Tanigawa	2		2		○		○	○	○
10F223	◎Risk Management （リスクマネジメント論）	Matsuda (DPRI)		2	2		○		○	○	○
10X333	◎Disaster Risk Management （災害リスク管理論）	Tatano (DPRI), Samaddar (DPRI), Fujimi (DPRI)	2		2		○		○	○	○
693287	★Disaster Information （防災情報特論）	Yamori (DPRI), Hatayama (DPRI), Hiroi (DPRI)	2		2		○		○	○	○
733707	★Environmental Design Research （環境デザイン論）	Kobayashi (GSGES), Ochiai (GSGES)		2	2		○		○	○	○
10A402	Resources Development Systems （資源開発システム工学）	Murata, Kashiwaya		2	2		○		○	○	○
10A405	Environmental Geosphere Engineering （地殻環境工学）	Koike, Kashiwaya	2		2		○		○	○	○
10F071	Applied Elasticity for Rock Mechanics （応用弾性学）	Fukuyama, Murata		2	2		○		○	○	○
10F500	Applied Mathematics in Earth Resources Engineering （資源工学の基礎数理）	Fukuyama, Takekawa	2		2		○		○	○	○
10F078	Rock Stress and Physical Properties （岩盤応力と地殻物性）	Lin, Ishitsuka, Yamamoto (Part-time Lecturer)		2	2		○		○	○	○
10A420	◎○Lecture on Exploration Geophysics （探査工学特論）	Takekawa		2	2		○		○	○	○
10F085	◎Measurement in the Earth's Crust Environment （地殻環境計測）	Fukuyama, Nara, Yamamoto (Part-time lecturer)	2		2		○		○	○	○
10F088	◎□Energy System Management （地球資源学）	Koike, Kashiwaya		2	2		○		○	○	○
10X311	◎Urban Infrastructure Management （都市基盤マネジメント論）	Ichikawa, Onishi, Takahashi, Tachikawa, Higo	2		2		○		○	○	○
10F113	◎Global Survivability Studies （グローバル生存学）	Tachikawa, Fujii, Sayama (DPRI), Matsuda (DPRI), Yamashiki (GSAIS), Mclellan (GSES), Katsura (GSA)	2		2		○		○	○	○
693291	★Emergency Management （危機管理特論）	Hatayama (DPRI), Tatano (DPRI), Samaddar (DPRI), Hiroi (DPRI)		2	2		○		○	○	○
10F201	Information Technology for Urban Society (都市社会情報論)	Related instructors	2		2				○	○	○
756790	★Business Development in Energy （エネルギービジネス展開論）	Kobayashi (GSM), Nakayama, Higo		2	2				○	○	○
10i049	#◎Project Management in Engineering （エンジニアリングプロジェクトマネジメント）	Ishitsuka, Lintuluoto, and related instructors	2		2				○	○	○
10i050	#◎Exercise on Project Management in Engineering （エンジニアリングプロジェクトマネジメント演習）	Ishitsuka, Lintuluoto, and related instructors		Intensive	2				○	○	○
10F299	▼Master's Thesis （研究論文（修士））							○	Compulsory		
	Doctor's Thesis （研究論文（博士））							○		Compulsory	Compulsory

Legend
◎English Class
▼Japanese and English
○Biennial (Held this year)
□Biennial (Held next year)
※Subject of other Department
★Subject of other Graduate School
#Common Subjects of Graduate School of Engineering

Subject List (Advanced Engineering Course Program of the Department of Urban Management)

Subject code	Subject	Instructor	Number of hours per week		Credit	Subject category			Registration type		
									5 years		3 years
			1st semester	2nd semester		Core	Major	ORT	Master	Doctor	Doctor
10F201	Information Technology for Urban Society (都市社会情報論)	Related instructors	2		2	○			Compulsory		Minor
10F251	▼Exercise on Project Planning (自主企画プロジェクト)	Related instructors	2	2	2	○			Elective Compulsory		
10F253	▼Capstone Project (キャップストーンプロジェクト)	Related instructors	2	2	2	○			Elective Compulsory		
10U201	◎Integrated Seminar on Urban Management A (都市社会工学総合セミナーA)	Related instructors	2		2	○				Compulsory	Compulsory
10U203	◎Integrated Seminar on Urban Management B (都市社会工学総合セミナーB)	Related instructors		2	2	○				Compulsory	Compulsory
10F257	Seminar on Urban Management A (都市社会工学セミナーA)	Related instructors	(4)	(4)	4			○	Compulsory		
10F259	Seminar on Urban Management B (都市社会工学セミナーB)	Related instructors	(4)	(4)	4			○	Compulsory		
10F150	Long-Term Internship (長期インターンシップ)	Related instructors	Intensive		4			○	○	○	○
10U210	Practice in Urban Management (都市社会工学実習)	Related instructors		2	2			○	○		
10U216	▼ORT on Urban Management (都市社会工学ORT)	Related instructors	(4)	(4)	4			○		○	○
10U224	▼Practice in Advanced Urban Management A (都市社会工学総合実習A)	Related instructors	(2)		1		○			○	○
10U225	▼Practice in Advanced Urban Management B (都市社会工学総合実習B)	Related instructors		(2)	1		○			○	○
10F003	Continuum Mechanics (連続体力学)	Saito	2		2		○		○	○	○
10F067	◎Structural Stability (構造安定論)	Yagi, Kitane	2		2		○		○	○	○
10F068	◎Material and Structural System & Management (材料・構造マネジメント論)	Yamamoto, Takaya	2		2		○		○	○	○
10F261	◎Earthquake Engineering/Lifeline Engineering (地震・ライフライン工学)	Furukawa, Igarashi (DPRI)	2		2		○		○	○	○
10W001	◎Structural Engineering for Civil Infrastructure (社会基盤構造工学)	Related instructors		2	2		○		○	○	○
10F009	◎Structural Design (構造デザイン)	Takahashi, Kitane		2	2		○		○	○	○
10F010	◎Bridge Engineering (橋梁工学)	Yagi, Kitane, Matsumiya, Noguchi, Matsumoto		2	2		○		○	○	○
10A019	Concrete Structural Engineering (コンクリート構造工学)	Takahashi, Yamamoto, Takaya, Nakamura (Part-time Lecturer)		2	2		○		○	○	○
10F227	Structural Dynamics (構造ダイナミクス)	Takahashi, Igarashi (DPRI)	2		2		○		○	○	○
10F263	Seismic Engineering Exercise (サイスミックシミュレーション)	Takahashi, Hiroyuki Goto (DPRI)		2	2		○		○	○	○
10F415	Ecomaterial Design (環境材料設計学)	Yamamoto, Takaya, Sato (Part-time Lecturer)	2		2		○		○	○	○
10F089	Infrastructure Safety Engineering (社会基盤安全工学)	Ohta, Yasuda		2	2		○		○	○	○
10A216	◎○Hydrology (水文学)	Tachikawa, Ichikawa, Tomohiro Tanaka (DPRI)		2	2		○		○	○	○
10A040	Sediment Hydraulics (流砂水理学)	Hitoshi Gotoh, Harada	2		2		○		○	○	○
10F464	Hydrologic Design and Management (水工計画学)	Tachikawa, Ichikawa, Tomohiro Tanaka (DPRI)	2		2		○		○	○	○
10F270	Viscous Fluid Dynamics (粘性流体力学)	Hitoshi Gotoh, Sanjou (DPRI), Ikari, Shimizu	2		2		○		○	○	○
10F271	Multiphase Flow Dynamics (混相流体力学)	Harada, Onda, Ikari, Tasaki		2	2		○		○	○	○
10F272	Free Surface Flow Dynamics (自由表面流れの力学)	Harada, Onda, Tasaki	2		2		○		○	○	○
10F267	□Hydro-meteorologically based Disaster Prevention (水文気象防災学)	Sayama (DPRI), Yamaguchi (DPRI), Tomohiro Tanaka (DPRI)	2		2		○		○	○	○
10A222	□Water Resources Systems (水資源システム論)	Hori (DPRI), Kenji Tanaka (DPRI), Yorozu (DPRI)	2		2		○		○	○	○
10F077	□River Basin Management of Flood and Sediment (流域治水砂防学)	Sumi (DPRI), Kawaike (DPRI), Takebayashi (DPRI)	2		2		○		○	○	○
10F269	○Coastal and Urban Water Disasters Engineering (沿岸・都市防災工学)	Igarashi (DPRI), Mori (DPRI), Yoneyama (DPRI), Shimura (DPRI)	2		2		○		○	○	○
10F466	○Disaster Mitigation for Sustainable Basin Environment (流域環境防災学)	Sanjou (DPRI), Nakatani (DPRI), Baba (DPRI), Kobayashi (DPRI)	2		2		○		○	○	○
10F011	◎Computational Fluid Dynamics (数値流体力学)	Hitoshi Gotoh, Khayyer, Ikari, Shimizu		2	2		○		○	○	○
10F065	◎Hydraulic Engineering for Infrastructure Development and Management (水域社会基盤学)	Hitoshi Gotoh, Tachikawa, Ichikawa, Harada, Khayyer, Sunmin Kim, Onda, Ikari		2	2		○		○	○	○
10F100	◎Applied Hydrology (応用水文学)	Hori (DPRI), Kenji Tanaka (DPRI), Kantoush (DPRI), Yorozu (DPRI), Kobayashi (DPRI)	2		2		○		○	○	○
10F103	◎Case Studies Harmonizing Disaster Management and Environment Conservation (環境防災生存科学)	Mori (DPRI), Kawaike (DPRI), Sayama (DPRI), Yamaguchi (DPRI), Shimura (DPRI), Lahournat (DPRI)	2		2		○		○	○	○
10F106	◎Integrated Disasters and Resources Management in Watersheds (流域管理工学)	Yoneyama (DPRI), Kawaike (DPRI), Sanjou (DPRI), Nakatani (DPRI), Takebayashi (DPRI), Baba (DPRI), Yamanoi (DPRI)		2	2		○		○	○	○
10F025	Geomechanics (地盤力学)	Higo, Iwai, Hashimoto	2		2		○		○	○	○
10K016	◎Computational Geotechnics (計算地盤工学)	Sawamura, Hashimoto, Ueda (DPRI)		2	2		○		○	○	○

Subject List (Advanced Engineering Course Program of the Department of Urban Management)

Subject code	Subject	Instructor	Number of hours per week		Credit	Subject category			Registration type		
									5 years		3 years
			1st semester	2nd semester		Core	Major	ORT	Master	Doctor	Doctor
10F241	Construction of Geotechnical Infrastructures (ジオコンストラクション)	Kishida, Higo		2	2		○		○	○	○
10F405	◎Fundamental Geofront Engineering (ジオフロント工学原論)	Yasuhara, Iwai	2		2		○		○	○	○
10A055	Environmental Geotechnics (環境地盤工学)	Katsumi (GSGES), Takai (GSGES)	2		2		○		○	○	○
10F109	◎Disaster Prevention through Geotechnics (地盤防災工学)	Uzuoka (DPRI), Ueda (DPRI)		2	2		○		○	○	○
10F203	◎○Public Finance (公共財政論)	Onishi	2		2		○		○	○	○
10F207	Urban Environmental Policy (都市社会環境論)	Uno, Matsunaka	2		2		○		○	○	○
10F219	Quantitative Methods for Behavioral Analysis (人間行動学)	Fujii, Kawabata	2		2		○		○	○	○
10F215	Intelligent Transportation Systems (交通情報工学)	Uno, Yamada, Kosuke Tanaka		2	2		○		○	○	○
10A805	Remote Sensing and Geographic Information System (リモートセンシングと地理情報システム)	Uno, Susaki, Oba	2		2		○		○	○	○
10A808	Civic and Landscape Design (景観デザイン論)	Kawasaki, Yamaguchi, Yagi (Part-time Lecturer), Tanigawa	2		2		○		○	○	○
10F223	◎Risk Management (リスクマネジメント論)	Matsuda (DPRI)		2	2		○		○	○	○
10X333	◎Disaster Risk Management (災害リスク管理論)	Tatano (DPRI), Samaddar (DPRI), Fujimi (DPRI)	2		2		○		○	○	○
693287	★Disaster Information (防災情報特論)	Yamori (DPRI), Hatayama (DPRI), Hiroi (DPRI)	2		2		○		○	○	○
733707	★Environmental Design Research (環境デザイン論)	Kobayashi (GSGES), Ochiai (GSGES)		2	2		○		○	○	○
10A402	Resources Development Systems (資源開発システム工学)	Murata, Kashiwaya		2	2		○		○	○	○
10A405	Environmental Geosphere Engineering (地殻環境工学)	Koike, Kashiwaya	2		2		○		○	○	○
10F071	Applied Elasticity for Rock Mechanics (応用弾性学)	Fukuyama, Murata		2	2		○		○	○	○
10F500	Applied Mathematics in Earth Resources Engineering (資源工学の基礎数理)	Fukuyama, Takekawa	2		2		○		○	○	○
10F078	Rock Stress and Physical Properties (岩盤応力と地殻物性)	Lin, Ishitsuka, Yamamoto (Part-time Lecturer)		2	2		○		○	○	○
10A420	◎○Lecture on Exploration Geophysics (探査工学特論)	Takekawa		2	2		○		○	○	○
10F085	◎Measurement in the Earth's Crust Environment (地殻環境計測)	Fukuyama, Nara, Yamamoto (Part-time lecturer)	2		2		○		○	○	○
10F088	◎□Energy System Management (地球資源学)	Koike, Kashiwaya		2	2		○		○	○	○
10X311	◎Urban Infrastructure Management (都市基盤マネジメント論)	Ichikawa, Onishi, Takahashi, Tachikawa, Higo	2		2		○		○	○	○
10F113	◎Global Survivability Studies (グローバル生存学)	Tachikawa, Fujii, Sayama (DPRI), Matsuda (DPRI), Yamashiki (GSAIS), Mclellan (GSES), Katsura (GSA)	2		2		○		○	○	○
693291	★Emergency Management (危機管理特論)	Hatayama (DPRI), Tatano (DPRI), Samaddar (DPRI), Hiroi (DPRI)		2	2		○		○	○	○
756790	★Business Development in Energy (エネルギービジネス展開論)	Kobayashi (GSM), Nakayama, Higo		2	2				○	○	○
10i049	#◎Project Management in Engineering (エンジニアリングプロジェクトマネジメント)	Ishitsuka, Lintuluoto, and related instructors	2		2				○	○	○
10i050	#◎Exercise on Project Management in Engineering (エンジニアリングプロジェクトマネジメント演習)	Ishitsuka, Lintuluoto, and related instructors		Intensive	2				○	○	○
10F299	▼Master's Thesis (研究論文(修士))							○	Compulsory		
	Doctor's Thesis (研究論文(博士))							○		Compulsory	Compulsory

Legend
◎English Class
▼Japanese and English
○Biennial (Held this year)
□Biennial (Held next year)
※Subject of other Department
★Subject of other Graduate School
#Common Subjects of Graduate School of Engineering