

Graduation Requirements 2025

NAGOYA UNIVERSITY
G30 INTERNATIONAL PROGRAM
GRADUATE SCHOOL OF ENGINEERING

名古屋大学工学研究科教授要目
2025年度グローバル30国際プログラム入学生用

Graduate School of Engineering (for Graduate Students Enrolled in October 2025)

Materials Chemistry

Master' s Course <前期課程>

応用物質化学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Chemistry Graduate Program
						化学系プログラム Starts 開講時期
C o u r s e s B a s i c C o u r s e s	L e c t u r e	コア無機化学特論	Core Inorganic Chemistry	Faculty of Chemistry	2	1Autumn, 2Autumn
		コア有機化学特論	Core Organic Chemistry	SHIN Jiyoung Professor	2	1Spring, 2Spring (offered every other year)
		コア物理化学特論	Core Physical Chemistry	PHUNG Quan manh Associate Professor	2	1Autumn, 2Autumn (offered every other year)
		コア生物化学特論	Core Biochemistry	Faculty of Chemistry	2	1Spring, 2Spring (offered every other year)
S p e c i a l i z e d C o u r s e s 専 門 科 目	S e m i n a r	化学系セミナー 1 A	Chemistry Seminar 1A	Faculty of Chemistry	2	1Autumn
		化学系セミナー 1 B	Chemistry Seminar 1B	Faculty of Chemistry	2	1Spring
		化学系セミナー 1 C	Chemistry Seminar 1C	Faculty of Chemistry	2	2Autumn
		化学系セミナー 1 D	Chemistry Seminar 1D	Faculty of Chemistry	2	2Spring
	L e c t u r e	アドバンス無機化学特論	Advanced Inorganic Chemistry	Faculty of Chemistry	2	1Spring, 2Spring (offered every other year)
		アドバンス有機化学特論	Advanced Organic Chemistry	Faculty of Chemistry	2	1Spring, 2Spring
		アドバンス物理化学特論	Advanced Physical Chemistry	Faculty of Chemistry	2	1Autumn, 2Autumn (offered every other year)
		アドバンス量子化学特論	Advenced Quantum Chemistry	Faculty of Chemistry	2	1Spring, 2Spring
		アドバンス高分子化学	Advanced Polymer Chemistry	Faculty of Chemistry	2	1Autumn, 2Autumn (offered every other year)
	E x p e r i m e n t s a n d E x e r c i s e s 実験・演習	化学系特別実験及び演習 I	Experiments and Exercises in Chemistry I	Faculty of Chemistry	4	1 Autumn/Spring
化学系特別実験及び演習 II		Experiments and Exercises in Chemistry II	Faculty of Chemistry	4	2 Autumn/Spring	
Comprehensive engineering courses 総合工学科目		科学技術英語特論	Advanced Lectures on Scientific English	Part-Time Faculty	1	1Autumn, 2Autumn
		国際先端自動車工学特論 U1	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U1	SAKAI Yasuhiko Designated Professor	1	1Spring, 2Spring
		国際先端自動車工学特論 U3	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U3	SAKAI Yasuhiko Designated Professor	3	1Spring, 2Spring
		コミュニケーション学	Introduction to Academic Communication	FURUYA Reiko	1	1Autumn, 2Autumn
		研究インターンシップ 1 U2	Research Internship1 U2	Faculty of Chemistry	2	1, 2 Autumn/Spring
		研究インターンシップ 1 U3	Research Internship1 U3	Faculty of Chemistry	3	1, 2 Autumn/Spring
		研究インターンシップ 1 U4	Research Internship1 U4	Faculty of Chemistry	4	1, 2 Autumn/Spring
		研究インターンシップ 1 U6	Research Internship1 U6	Faculty of Chemistry	6	1, 2 Autumn/Spring
		研究インターンシップ 1 U8	Research Internship1 U8	Faculty of Chemistry	8	1, 2 Autumn/Spring
		研究室ローテーション 1 U2	Laboratory Visit1 U2	Faculty of Chemistry	2	1, 2 Autumn/Spring
		研究室ローテーション 1 U3	Laboratory Visit1 U3	Faculty of Chemistry	3	1, 2 Autumn/Spring
		研究室ローテーション 1 U4	Laboratory Visit1 U4	Faculty of Chemistry	4	1, 2 Autumn/Spring
		研究室ローテーション 1 U6	Laboratory Visit1 U6	Faculty of Chemistry	6	1, 2 Autumn/Spring
		研究室ローテーション 1 U8	Laboratory Visit1 U8	Faculty of Chemistry	8	1, 2 Autumn/Spring
Courses from other departments 他専攻等科目		Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目, 本学大学院共通科目, 単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち, 指導教員及び専攻長が認めた科目				
Research supervision 研究指導						
Method of Completion and Research Supervision (履 修 方 法 及 び 研 究 指 導)						
1. The requirements stated in the following items (i) to (iii) must be met and a total of at least 30 credits must be acquired. (以下のi)～iii)の各項を満たし, 合計30単位以上) i) Basic Courses/Specialized Courses : a. At least 2 credits from Basic courses (基礎科目2単位以上) b. At least 18 credits from Specialized courses, including 8 credits from seminars, and 8 credits from experiments and exercises (専門科目の中から, セミナー8単位, 実験・演習8単位を含む18単位以上) ii) At least 4 credits from Courses of Comprehensive engineering and Courses from other departments. 総合工学科目および他専攻等科目の中から4単位以上 iii) A maximum of 10 credits of Comprehensive engineering courses and Courses from other departments will be recognized as credits required for completion.; credits in excess of 10 credits will be treated as credits for free elective subjects. 総合工学科目及び他専攻等科目は10単位までを修了要件単位として認め, これを超えた分は随意科目の単位として扱う。 2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については, 専攻において定めるところにより, 指導教員の指示によること)						

応用物質化学専攻

応用物質化学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credit s単位数	Chemistry Graduate Program 化学系プログラム Starts 開講時期
S p e c i a l i z e d 専 門 科 目 c o u r s e s	セ ミ ナ ー	化学系セミナー2A	Chemistry Seminar 2A	Faculty of Chemistry	2	1Autumn
		化学系セミナー2B	Chemistry Seminar 2B	Faculty of Chemistry	2	1Spring
		化学系セミナー2C	Chemistry Seminar 2C	Faculty of Chemistry	2	2Autumn
		化学系セミナー2D	Chemistry Seminar 2D	Faculty of Chemistry	2	2Spring
		化学系セミナー2E	Chemistry Seminar 2E	Faculty of Chemistry	2	3Autumn
	講 義	国際化学特論 X	Topics in International Chemistry 10	International Faculty	1	1Autumn/Spring
		国際化学特論 X I	Topics in International Chemistry 11	International Faculty	1	2Autumn/Spring
		国際化学特論 X II	Topics in International Chemistry 12	International Faculty	1	3Autumn/Spring
Comprehensive engineering courses 総合工学科目		研究インターンシップ 2 U2	Research Internship2 U2	Faculty of Chemistry	2	1, 2 Autumn/Spring
		研究インターンシップ 2 U3	Research Internship2 U3	Faculty of Chemistry	3	1, 2 Autumn/Spring
		研究インターンシップ 2 U4	Research Internship2 U4	Faculty of Chemistry	4	1, 2 Autumn/Spring
		研究インターンシップ 2 U6	Research Internship2 U6	Faculty of Chemistry	6	1, 2 Autumn/Spring
		研究インターンシップ 2 U8	Research Internship2 U8	Faculty of Chemistry	8	1, 2 Autumn/Spring
		研究室ローテーション 2 U2	Laboratory Visit2 U2	Faculty of Chemistry	2	1, 2 Autumn/Spring
		研究室ローテーション 2 U3	Laboratory Visit2 U3	Faculty of Chemistry	3	1, 2 Autumn/Spring
		研究室ローテーション 2 U4	Laboratory Visit2 U4	Faculty of Chemistry	4	1, 2 Autumn/Spring
		研究室ローテーション 2 U6	Laboratory Visit2 U6	Faculty of Chemistry	6	1, 2 Autumn/Spring
	研究室ローテーション 2 U8	Laboratory Visit2 U8	Faculty of Chemistry	8	1, 2 Autumn/Spring	
Courses from other departments 他専攻等科目		Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち、指導教員及び専攻長が認めた科目				
Research supervision 研究指導						
Method of Completion and Research Supervision (履 修 方 法 及 び 研 究 指 導)						
1. The requirements stated in the following items a. to c. must be met and a total of at least 8 credits must be acquired excluding the class courses of Master's Course that have been studied by the students. (上記の授業科目及び前期課程の授業科目で既修のものを除いた中から8単位以上 ただし、以下の a. ～ c. を満たすこと) a. At least 4 credits from Seminar of Specialized courses above (a. 上記に掲げた専門科目のセミナー科目から4単位以上) b. At least 2 credits from Courses from other departments (b. 他専攻等科目から2単位以上を修得すること) c. A maximum of 2 credits from Comprehensive engineering courses will be recognized as credits required for completion; credits in excess of 2 credits will be treated as credits for free elective subjects (c. 総合工学科目は2単位までを修了要件単位として認め、2単位を超えた分は随意科目の単位として扱う)						
2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (2. 研究指導については、専攻において定めるところにより、指導教員の指示によること)						

Physical Engineering

Master's Course <前期課程>

応用物理学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Physical Engineering Graduate Program 物理工学プログラム
						Starts 開講時期
Basic Courses 基礎科目	Lecture 講義	コア応用物理学特論	Core Applied Physics	TANAKA Yukio, KAWAGUCHI Yuki , TAKENOBU Taishi , KISHIDA Hideo, ZHANG Shao_Liang, TAKENAKA Koushi, SAITO Koh, KASHIWAYA Satoshi	2	1, 2 Autum/Spring (Compulsory Elective)
		コア物質科学特論	Core Materials Physics	HASEGAWA Masashi, IKUTA Hiroshi, NAKATSUKA Osamu, MORIYAMA Takahiro, MATSUNAGA Katsuyuki, MASUBUCHI Yuichi, MATSUYAMA Satoshi, TABUCHI Masao	2	1, 2 Autum/Spring (Compulsory Elective)
Specialized Courses 専門科目	Seminar ゼミナール	物理工学セミナー 1A	Physical Engineering Seminar 1A	Faculty of Physical Engineering	2	1Autumn (Compulsory Elective)
		物理工学セミナー 1B	Physical Engineering Seminar 1B	Faculty of Physical Engineering	2	1Spring (Compulsory Elective)
		物理工学セミナー 1C	Physical Engineering Seminar 1C	Faculty of Physical Engineering	2	2Autumn (Compulsory Elective)
		物理工学セミナー 1D	Physical Engineering Seminar 1D	Faculty of Physical Engineering	2	2Spring (Compulsory Elective)
	Lecture 講義	物理工学輪講A	Physical Engineering Journal Club A	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		物理工学輪講B	Physical Engineering Journal Club B	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		応用物理学特論	Advanced Applied Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		量子物理学特論	Advanced Quantum Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		物質科学特論	Advanced Materials Science	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		電磁物理学特論	Advanced Electromagnetic Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		固体物理学特論	Advanced Solid State Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		半導体物理学特論	Advanced Semiconductor Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		物性物理学特論	Advanced Condensed Matter Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		材料物理学特論	Advanced Materials Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		数理物理学特論	Advanced Mathematical Physics	Faculty of Physical Engineering	2	1, 2 Autum/Spring (Compulsory Elective)
		応用物理学国際特別講義A	Applied Physics International Special Lecture A	Part-Time Faculty	1	1, 2 Autum/Spring (Compulsory Elective)
		応用物理学国際特別講義B	Applied Physics International Special Lecture B	Part-Time Faculty	1	1, 2 Autum/Spring (Compulsory Elective)
		物質科学国際特別講義A	Materials Physics International Special Lecture A	Part-Time Faculty	1	1, 2 Autum/Spring (Compulsory Elective)
		物質科学国際特別講義B	Materials Physics International Special Lecture B	Part-Time Faculty	1	1, 2 Autum/Spring (Compulsory Elective)
	Experiments and Exercises 実験・演習	物理工学特別実験及び演習	Experiments and Exercises in Physical Engineering	Faculty of Physical Engineering	4	1 Autumn/Spring 2 Autumn/Spring
Comprehensive engineering courses 総合工学科目		コミュニケーション学	Introduction to Academic Communication	FURUYA Reiko	1	1Autumn, 2Autumn
		科学技術英語特論	Advanced Lectures on Scientific English	Part-Time Faculty	1	1Autumn, 2Autumn
Courses from other departments 他専攻等科目		Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち、指導教員及び専攻長が認めた科目				

Research supervision 研究指導

Method of Completion and Research Supervision (履修方法及び研究指導)

- The requirements stated in the following items (i) to (iii) must be met and a total of at least 30 credits must be acquired.
(以下のi)～iii)の各項を満たし、合計30単位以上)
 - Basic Courses/Specialized Courses :
 - At least 2 credits from Basic courses (基礎科目2単位以上)
 - At least 4 credits from seminars, and 4 credits from experiments and exercises (専門科目のうち、セミナー4単位、実験・演習4単位を含むこと)
 - At least 4 credits from Courses of Comprehensive engineering and Courses from other departments.
(総合工学科目および他専攻等科目の中から4単位以上)
 - A maximum of 6 credits of Comprehensive engineering courses and Courses from other departments will be recognized as credits required for completion.; credits in excess of 6 credits will be treated as credits for free elective subjects.
(総合工学科目及び他専攻等科目は6単位までを修了要件単位として認め、これを超えた分は随意科目の単位として扱う。)
- Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department.
(研究指導については、専攻において定めるところにより、指導教員の指示によること)

Physical Engineering

Doctoral Course <後期課程>

応用物理学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Physical Engineering Graduate Program 物理工学プログラム Starts 開講時期
Specialized Courses 専門科目	Seminar セミナー	物理工学セミナー2A	Physical Engineering 2A	Faculty of Physical Engineering	2	1Autumn (Compulsory Elective)
		物理工学セミナー2B	Physical Engineering 2B	Faculty of Physical Engineering	2	1Spring (Compulsory Elective)
		物理工学セミナー2C	Physical Engineering 2C	Faculty of Physical Engineering	2	2Autumn (Compulsory Elective)
		物理工学セミナー2D	Physical Engineering 2D	Faculty of Physical Engineering	2	2Spring (Compulsory Elective)
		物理工学セミナー2E	Physical Engineering 2E	Faculty of Physical Engineering	2	3Autumn (Compulsory Elective)
Courses from other departments 他専攻等科目		Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち、指導教員及び専攻長が認めた科目				
Research supervision 研究指導						
Method of Completion and Research Supervision (履修方法及び研究指導)						
<p>1. The requirements stated in the following items (i) and (ii) must be met and a total of at least 8 credits must be acquired excluding the class courses of Master's Course that have been studied by the students. (上記の授業科目及び前期課程の授業科目で既修のものを除いた中から8単位以上 ただし、以下の i)及びii)を満たすこと)</p> <p>i) At least 4 credits from Seminar of Specialized courses above (上記に掲げた専門科目のセミナー科目から4単位以上)</p> <p>ii) A maximum of 2 credits from Courses from other departments will be recognized as credits required for completion; credits in excess of 2 credits will be treated as credits for free elective subjects (他専攻等科目は2単位までを修了要件単位として認め、2単位を超えた分は随意科目の単位として扱う)</p> <p>2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については、専攻において定めるところにより、指導教員の指示によること)</p>						

化学工学専攻

電氣工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Automotive Engineering Graduate Program 自動車工学プログラム
						Starts 開講時期
基礎科目 Basic Course	講義 Lecture	宇宙天気理解と応用	Understanding of space weather and applications	MARTINEZ CALDERON Claudia	2	1Autumn , 2Autumn
		データ解析処理論	Theory of Data Analysis and Processing	Associated Faculty	4	1Spring
専門科目 Specialized Courses	ゼミナール Seminar	自動車工学セミナー1A	Automotive Engineering Seminar 1A	Faculty of Automotive Engineering	2	1Autumn
		自動車工学セミナー1B	Automotive Engineering Seminar 1B	Faculty of Automotive Engineering	2	1Spring
		自動車工学セミナー1C	Automotive Engineering Seminar 1C	Faculty of Automotive Engineering	2	2Autumn
		自動車工学セミナー1D	AutomotiveEngineering Seminar 1D	Faculty of Automotive Engineering	2	2Spring
	講義 Lecture	自動車工学特論	Advanced Lectures on Automotive Engineering	CUI Yi	2	1Autumn or 2Autumn (offered every other year)
		電気エネルギー工学特論	Electric Power and Energy Engineering	HAYAKAWA Naoki, YOKOMIZU Yasunobu, KATO Takeyoshi, KOJIMA Hiroki	2	1Autumn or 2Autumn (offered every other year)
		半導体デバイス工学特論	Semiconductor Devices	PRISTOVSEK Markus	2	1Autumn or 2Autumn (offered every other year)
		通信・画像信号処理工学特論	Advanced Lectures on Communication and Image Processing	LU Shan, YAMAZATO Takaya, FUJII Toshiaki, TAKAHASHI Keita	2	1Spring or 2Spring (offered every other year)
		情報システム工学特論	Advanced Lectures for Information and Computer Sciences	SATO Satoshi, KAWAGUCHI Nobuo, IWATA Tetsu, YONEZAWA Takuro, OGAWA Kohei	2	1Autumn or 2Autumn (offered every other year)
		計算機援用工学特論	Advanced Lectures on Computer-Aided Engineering	TBD	2	1Autumn , 2Autumn
		工業における放射線利用	Industrial Uses of Radiation	ENDO Tomohiro	2	1Spring or 2Spring (offered every other year)
	Experiments and Exercises 実験・演習	自動車工学特別実験及び演習 A	Advanced Experiments and Exercises in Automotive Engineering A	Faculty of Electrical Engineering and Computer Science	1	1Autumn
		自動車工学特別実験及び演習 B	Advanced Experiments and Exercises in Automotive Engineering B	Faculty of Electrical Engineering and Computer Science	1	1Spring
Comprehensive engineering courses 総合工学科目		国際先端自動車工学特論 U1	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U1	SAKAI Yasuhiko Designated Professor	1	1Spring, 2Spring
		国際先端自動車工学特論 U3	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U3	SAKAI Yasuhiko Designated Professor	3	1Spring, 2Spring
		コミュニケーション学	Introduction to Academic Communication	FURUYA Reiko	1	1Autumn, 2Autumn
		研究インターンシップ1 U2	Research Internship1 U2	Faculty of Automotive Engineering	2	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ1 U3	Research Internship1 U3	Faculty of Automotive Engineering	3	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ1 U4	Research Internship1 U4	Faculty of Automotive Engineering	4	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ1 U6	Research Internship1 U6	Faculty of Automotive Engineering	6	1Autumn to Spring 2Autumn to Spring
		研究インターンシップ1 U8	Research Internship1 U8	Faculty of Automotive Engineering	8	1Autumn to Spring 2Autumn to Spring
		科学技術英語特論	Advanced Lectures on Scientific English	Part-Time Faculty	1	1Autumn, 2Autumn
Courses from other departments 他専攻等科目		Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部・研究科の授業科目のうち、指導教員及び専攻長が認めた科目				
Research supervision 研究指導						
Method of Completion and Research Supervision (履修方法及び研究指導)						
<p>1. The requirements stated in the following items i) to iii) must be met and a total of at least 30 credits must be acquired. (以下のi)～iii)の各項を満たし、合計30単位以上)</p> <p>i) Basic Courses/Specialized Courses (基礎科目/専門科目) :</p> <p>a. At least 4 credits from Basic courses (基礎科目 4単位以上)</p> <p>b. At least 16 credits from Specialized courses, including 4 credits from seminars, 6 credits from lectures and 2 credits from experiments and exercises (専門科目の中から、セミナー4単位、講義6単位、実験・演習2単位を含む16単位以上)</p> <p>ii) A maximum of 6 credits from Comprehensive engineering courses will be recognized as credits required for completion; credits in excess of 6 credits will be treated as credits for free elective subjects (総合工学科目は6単位までを修了要件単位として認め、6単位を超えた分は随意科目の単位として扱う)</p> <p>iii) At least 4 credits from Courses from other departments (他専攻等科目から4単位以上)</p> <p>2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については、専攻において定めるところにより、指導教員の指示によること)</p>						

機械システム工学専攻

機械システム工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Automotive Engineering Graduate Program 自動車工学プログラム
						Starts 開講時期
Basic Courses 基礎科目	Lecture 講義	宇宙天気理解と応用	Understanding of space weather and applications	MARTINEZ CALDERON Claudia	2	1Autumn
		自動車工学特論	Advanced Lectures on Automotive Engineering	CUI Yi	2	1Autumn or 2Autumn (offered every other year)
Specialized Courses 専門科目	Seminar セミナー	自動車工学セミナー1A	Automotive Engineering Seminar 1A	Faculty of Automotive Engineering	2	1Autumn
		自動車工学セミナー1B	Automotive Engineering Seminar 1B	Faculty of Automotive Engineering	2	1Spring
		自動車工学セミナー1C	Automotive Engineering Seminar 1C	Faculty of Automotive Engineering	2	2Autumn
		自動車工学セミナー1D	AutomotiveEngineering Seminar 1D	Faculty of Automotive Engineering	2	2Spring
	Lecture 講義	熱工学特論	Advanced Thermal Engineering	NAGANO Hosei, YAMAMOTO Kazuhiro	2	1Autumn or 2Autumn (offered every other year)
		流体工学特論	Advanced Lectures on Fluid Engineering	ITO Yasumasa	2	1Spring or 2Spring (offered every other year)
		材料強度学特論	Advanced Lectures on Strength and Fracture of Materials	OKUMURA Dai, NAGASHIMA So	2	1Autumn or 2Autumn (offered every other year)
		計算機援用工学特論	Advanced Lectures on Computer-Aided Engineering	TBD	2	1Autumn , 2Autumn
		通信・画像信号処理工学特論	Advanced Lectures on Communication and Image Processing	LU Shan, YAMAZATO Takaya, FUJII Toshiaki, TAKAHASHI Keita	2	1Spring or 2Spring (offered every other year)
		工業における放射線利用	Industrial Uses of Radiation	ENDO Tomohiro	2	1Spring or 2Spring (offered every other year)
	Experiments and Exercises 実験・演習	自動車工学特別実験及び演習 A	Advanced Experiments and Exercises in Automotive Engineering A	Faculty of Automotive Engineering	1	1Autumn
		自動車工学特別実験及び演習 B	Advanced Experiments and Exercises in Automotive Engineering B	Faculty of Automotive Engineering	1	1Spring
Comprehensive engineering courses 総合工学科目	国際先端自動車工学特論 U1	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U1	SAKAI Yasuhiko Designated Professor	1	1Spring, 2Spring	
	国際先端自動車工学特論 U3	International Graduate Lectures on Advanced Technology and Trends in Automobile Engineering U3	SAKAI Yasuhiko Designated Professor	3	1Spring, 2Spring	
	コミュニケーション学	Introduction to Academic Communication	FURUYA Reiko	1	1Autumn, 2Autumn	
	研究インターンシップ 1 U2	Research Internship1 U2	Faculty of Automotive Engineering	2	1Autumn to Spring 2Autumn to Spring	
	研究インターンシップ 1 U3	Research Internship1 U3	Faculty of Automotive Engineering	3	1Autumn to Spring 2Autumn to Spring	
	研究インターンシップ 1 U4	Research Internship1 U4	Faculty of Automotive Engineering	4	1Autumn to Spring 2Autumn to Spring	
	研究インターンシップ 1 U6	Research Internship1 U6	Faculty of Automotive Engineering	6	1Autumn to Spring 2Autumn to Spring	
	研究インターンシップ 1 U8	Research Internship1 U8	Faculty of Automotive Engineering	8	1Autumn to Spring 2Autumn to Spring	
	科学技術英語特論	Advanced Lectures on Scientific English	Part-Time Faculty	1	1Autumn, 2Autumn	
Courses from other departments 他専攻等科目	Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち、指導教員及び専攻長が認めた科目					
Research supervision 研究指導						
Method of Completion and Research Supervision (履修方法及び研究指導)						
1. The requirements stated in the following items i) to iii) must be met and a total of at least 30 credits must be acquired. (以下のi)～iii)の各項を満たし、合計30単位以上) i) Basic Courses/Specialized Courses (基礎科目/専門科目) : a. At least 2 credits from Basic courses (基礎科目2単位以上) b. At least 14 credits from Specialized courses, including 6 credits from seminars, 6 credits from lectures and 2 credits from experiments and exercises (専門科目の中から、セミナー6単位、講義6単位、実験・演習2単位を含む14単位以上) ii) A maximum of 8 credits from Comprehensive engineering courses will be recognized as credits required for completion; credits in excess of 8 credits will be treated as credits for free elective subjects (総合工学科目は8単位までを修了要件単位として認め、8単位を超えた分は随意科目の単位として扱う) iii) At least 4 credits from Courses from other departments (他専攻等科目から4単位以上) 2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については、専攻において定めるところにより、指導教員の指示によること)						

Civil and Environmental Engineering

Master's Course <前期課程>

環境土木工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Civil and Environmental Engineering Graduate Program 環境土木工学プログラム
						Starts 開講時期
C B a s i c 基 礎 科 目	L e c t u r e 講 義	土木工学のフロンティア	Frontier in Civil Engineering	Faculty members	2	1Spring (Compulsory)
		途上国開発特論Ⅰ	Civil Engineering and Policies for Developing Countries I	HAYASHI Kiichiro, IRYO Miho	2	1Autumn, 2Autumn (offered every other year)
		途上国開発特論Ⅱ	Civil Engineering and Policies for Developing Countries II	Faculty members	2	1Autumn, 2Autumn (offered every other year)
		環境コミュニケーション	English Communication in Environmental Issues	IRYO Miho, CHUN Sohyun	2	1Spring
		持続可能性と環境学	Sustainability and Environmental Studies	ZINCHENKO Anatoly	2	1Autumn
S p e c i a l i z e d 専 門 科 目	セ ミ ナ ー ゼ ミ ナ ー	構造工学セミナー1A	Seminar on Structural Engineering 1A	KATO Junji, NISHIGUCHI Koji	2	1Autumn
		構造工学セミナー1B	Seminar on Structural Engineering 1B	KATO Junji, NISHIGUCHI Koji	2	1Spring
		構造工学セミナー1C	Seminar on Structural Engineering 1C	KATO Junji, NISHIGUCHI Koji	2	2Autumn
		構造工学セミナー1D	Seminar on Structural Engineering 1D	KATO Junji, NISHIGUCHI Koji	2	2Spring
		材料・形態学セミナー1A	Seminar on Materials and Structural Design 1A	NAKAMURA Hikaru, MIURA Taito	2	1Autumn
		材料・形態学セミナー1B	Seminar on Materials and Structural Design 1B	NAKAMURA Hikaru, MIURA Taito	2	1Spring
		材料・形態学セミナー1C	Seminar on Materials and Structural Design 1C	NAKAMURA Hikaru, MIURA Taito	2	2Autumn
		材料・形態学セミナー1D	Seminar on Materials and Structural Design 1D	NAKAMURA Hikaru, MIURA Taito	2	2Spring
		流域保全学セミナー1A	Seminar on Conservation Engineering of River Basins 1A	TODA Yuji	2	1Autumn
		流域保全学セミナー1B	Seminar on Conservation Engineering of River Basins 1B	TODA Yuji	2	1Spring
		流域保全学セミナー1C	Seminar on Conservation Engineering of River Basins 1C	TODA Yuji	2	2Autumn
		流域保全学セミナー1D	Seminar on Conservation Engineering of River Basins 1D	TODA Yuji	2	2Spring
		海岸・海洋工学セミナー1A	Seminar on Coastal and Maritime Engineering 1A	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	1Autumn
		海岸・海洋工学セミナー1B	Seminar on Coastal and Maritime Engineering 1B	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	1Spring
		海岸・海洋工学セミナー1C	Seminar on Coastal and Maritime Engineering 1C	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	2Autumn
		海岸・海洋工学セミナー1D	Seminar on Coastal and Maritime Engineering 1D	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	2Spring
		地盤材料工学セミナー1A	Seminar on Geomaterial Engineering 1A	NAKANO Masaki, SAKAI Takayuki	2	1Autumn
		地盤材料工学セミナー1B	Seminar on Geomaterial Engineering 1B	NAKANO Masaki, SAKAI Takayuki	2	1Spring
		地盤材料工学セミナー1C	Seminar on Geomaterial Engineering 1C	NAKANO Masaki, SAKAI Takayuki	2	2Autumn
		地盤材料工学セミナー1D	Seminar on Geomaterial Engineering 1D	NAKANO Masaki, SAKAI Takayuki	2	2Spring
		国土防災安全工学セミナー1A	Seminar on Disaster Prevention and Safety Engineering 1A	NODA Toshihiro, NAKAI Kentaro	2	1Autumn
		国土防災安全工学セミナー1B	Seminar on Disaster Prevention and Safety Engineering 1B	NODA Toshihiro, NAKAI Kentaro	2	1Spring
		国土防災安全工学セミナー1C	Seminar on Disaster Prevention and Safety Engineering 1C	NODA Toshihiro, NAKAI Kentaro	2	2Autumn
		国土防災安全工学セミナー1D	Seminar on Disaster Prevention and Safety Engineering 1D	NODA Toshihiro, NAKAI Kentaro	2	2Spring
		社会基盤維持管理学セミナー1A	Seminar on Maintenance of Civil Structures 1A	TATEISHI Kazuo, HANJI Takeshi	2	1Autumn
		社会基盤維持管理学セミナー1B	Seminar on Maintenance of Civil Structures 1B	TATEISHI Kazuo, HANJI Takeshi	2	1Spring
		社会基盤維持管理学セミナー1C	Seminar on Maintenance of Civil Structures 1C	TATEISHI Kazuo, HANJI Takeshi	2	2Autumn
		社会基盤維持管理学セミナー1D	Seminar on Maintenance of Civil Structures 1D	TATEISHI Kazuo, HANJI Takeshi	2	2Spring
		国土デザイン学セミナー1A	Land Design Seminar 1A	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	1Autumn
		国土デザイン学セミナー1B	Land Design Seminar 1B	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	1Spring
		国土デザイン学セミナー1C	Land Design Seminar 1C	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	2Autumn
		国土デザイン学セミナー1D	Land Design Seminar 1D	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	2Spring
		国際環境協力セミナー1A	Global Environmental Cooperation Seminar 1A	HAYASHI Kiichiro	2	1Autumn
		国際環境協力セミナー1B	Global Environmental Cooperation Seminar 1B	HAYASHI Kiichiro	2	1Spring
		国際環境協力セミナー1C	Global Environmental Cooperation Seminar 1C	HAYASHI Kiichiro	2	2Autumn
		国際環境協力セミナー1D	Global Environmental Cooperation Seminar 1D	HAYASHI Kiichiro	2	2Spring
		環境エコロジシステムセミナー1A	Seminar on Environmental Ecology System 1A	YAMAMOTO Toshiyuki	2	1Autumn
		環境エコロジシステムセミナー1B	Seminar on Environmental Ecology System 1B	YAMAMOTO Toshiyuki	2	1Spring
		環境エコロジシステムセミナー1C	Seminar on Environmental Ecology System 1C	YAMAMOTO Toshiyuki	2	2Autumn
		環境エコロジシステムセミナー1D	Seminar on Environmental Ecology System 1D	YAMAMOTO Toshiyuki	2	2Spring

Civil and Environmental Engineering

Master' s Course <前期課程>

環境土木工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Civil and Environmental Engineering Graduate Program 環境土木工学プログラム Starts 開講時期	
Specialized courses 専門科目	Lecture 講義	社会基盤施設のライフサイクル設計特論	Advanced Course in Lifecycle Design of Civil Structures	NAKAMURA Hikaru, HANJI Takeshi, NISHIGUCHI Koji	2	1Autumn (Compulsory Elective)	
		水圏力学特論	Advanced Fluvial and Coastal Hydrodynamics	TODA Yuji, NAKAMURA Tomoaki	2	1Spring (Compulsory Elective)	
		地盤工学特論	Advanced Geotechnical Engineering	NAKAI Kentaro	2	1Autumn (Compulsory Elective)	
		社会基盤計画学特論	Advanced Infrastructure Planning	YAMAMOTO Toshiyuki, MIWA Tomio	2	1Autumn (Compulsory Elective)	
		サステナブル都市学	Sustainable City Studies	TANIKAWA Hiroki	2	1Spring (Compulsory Elective)	
		数値解析特論	Advanced Numerical Analysis	MIWA Tomio, NAKAMURA Tomoaki, NAKAI Kentaro, NISHIGUCHI Koji	2	1Spring (Compulsory Elective)	
		鋼構造工学特論	Advanced Steel Structures	TATEISHI Kazuo	2	1Spring	
		コンクリート構造工学特論	Advanced Concrete Structures	NAKAMURA Hikaru, MIURA Taito	2	1Spring	
		河川・流域圏管理学特論	Advanced Theory of River Basin Management	TODA Yuji	2	1Spring	
		地盤材料力学特論	Advanced Mechanics of Geomaterials	NAKANO Masaki, SAKAI Takayuki	2	1Spring	
		交通工学特論	Advanced Traffic Engineering and Management	NAKAMURA Hideki	2	1Spring	
		都市計画特論	Advanced Urban Planning	KATO Hirokazu	2	1Spring	
		環境社会システム工学	Environmental System Analysis and Planning	TANIKAWA Hiroki	2	1Spring	
		連続体力学特論	Advanced Continuum Mechanics	NODA Toshihiro	2	1Spring	
		構造力学特論	Advanced Structural Mechanics	KATO Junji	2	1Autumn	
		海工学特論	Advanced Coastal and Offshore Engineering	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	1Autumn	
		地盤動力学特論	Advanced Soil Dynamics	NODA Toshihiro	2	1Autumn	
		水・廃棄物工学	Water and Waste Engineering	HIRAYAMA Nagahisa	2	1Spring	
		気候変動と社会基盤	Climate Change and Infrastructure	IRYO Miho	2	1Autumn	
		環境産業システム論	Environmental Industry Systems	TANIKAWA Hiroki, IRYO Miho	2	1Autumn	
		環境都市システム論	Environmental Urban Systems	IRYO Miho	2	1Autumn	
		交通システム分析	Transportation Systems Analysis	YAMAMOTO Toshiyuki, MIWA Tomio	2	1Spring	
		Exercises 演習	インフラ検査・点検演習	Exercise in Inspection of Civil Structures	TATEISHI Kazuo, NAKAMURA Hikaru, HANJI Takeshi, MIURA Taito	1	1Spring
			流れ・地形解析学演習	Advanced Work in Hydro-morphologic Processes	TODA Yuji	1	1Spring
			社会基盤計画学演習	Advanced Work in Planning Methods	MIWA Tomio, ANDO Hiroe, ZHU Yuanfang	1	1Spring
			構造力学特論演習	Advanced Work in Structural Mechanics	KATO Junji, NISHIGUCHI Koji	1	1Autumn
	海工学演習		Advanced Work in Coastal and Offshore Engineering	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	1	1Autumn	
	地盤力学総合演習		Advanced Work in Soil Mechanics and Geotechnical Engineering	NAKANO Masaki, NODA Toshihiro, NAKAI Kentaro, TOYODA Tomohiro	1	1Autumn	
	環境社会システム工学演習		Practice in Environmental Systems Analysis and Planning	TANIKAWA Hiroki, HAYASHI Kiichiro, SHIRAKAWA Hiroaki	1	1Autumn	
	グローバル研究インターンシップⅠ		Global Research Internship 1	Faculty members	2	1Autumn to Spring 2Autumn to Spring	
Comprehensive engineering courses 総合工学科目	コミュニケーション学	Introduction to Academic Communication	FURUYA Reiko	1	1Autumn, 2Autumn		
	科学技術英語特論	Advanced Lectures on Scientific English	Part-Time Faculty	1	1Autumn, 2Autumn		
Courses from other departments 他専攻等科目	Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses, class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、 本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち、指導教員及び専攻長が認めた科目						
Research supervision 研究指導							
Method of Completion and Research Supervision（履修方法及び研究指導）							
1. The requirements stated in the following items (i) to (iii) must be met and a total of at least 30 credits must be acquired. (以下のi)～iii)の各項を満たし、合計30単位以上) i) Basic Courses/Specialized Courses（基礎科目/専門科目）： a. At least 6 credits from Basic courses（基礎科目6単位以上） b. At least 19 credits from Specialized courses, including 8 credits from seminars, 8 credits from 'Advanced Course in Lifecycle Design of Civil Structures', 'Advanced Fluvial and Coastal Hydrodynamics', 'Advanced Geotechnical Engineering', 'Advanced Infrastructure Planning', 'Sustainable Cities Studies', 'Advanced Numerical Analysis' and 1 credits from experiments and exercises (専門科目の中から、セミナー8単位、「社会基盤施設のライフサイクル設計特論」、「水圏力学特論」、「地盤工学特論」、「社会基盤計画学特論」、「サステナブル都市学」、「数値解析特論」から8単位、演習1単位を含む19単位以上) ii) At least 2 credits from Courses from other departments(他専攻等科目の中から2単位以上) iii) A maximum of 2 credits from Comprehensive engineering courses will be recognized as credits required for completion. (総合工学科目は2単位までを修了要件単位として認める。) 2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については、専攻において定めるところにより、指導教員の指示によること)							

Civil and Environmental Engineering

Doctoral Course <後期課程>

環境土木工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Civil and Environmental Engineering Graduate Program 環境土木工学プログラム
						Starts 開講時期
S p e c i a l i z e d c o u r s e s 専 門 科 目	セ ミ ナ ー	構造工学セミナー2A	Seminar on Structural Engineering 2A	KATO Junji, NISHIGUCHI Koji	2	1Autumn
		構造工学セミナー2B	Seminar on Structural Engineering 2B	KATO Junji, NISHIGUCHI Koji	2	1Spring
		構造工学セミナー2C	Seminar on Structural Engineering 2C	KATO Junji, NISHIGUCHI Koji	2	2Autumn
		構造工学セミナー2D	Seminar on Structural Engineering 2D	KATO Junji, NISHIGUCHI Koji	2	2Spring
		構造工学セミナー2E	Seminar on Structural Engineering 2E	KATO Junji, NISHIGUCHI Koji	2	3Autumn
		材料・形態学セミナー2A	Seminar on Materials and Structural Design 2A	NAKAMURA Hikaru, MIURA Taito	2	1Autumn
		材料・形態学セミナー2B	Seminar on Materials and Structural Design 2B	NAKAMURA Hikaru, MIURA Taito	2	1Spring
		材料・形態学セミナー2C	Seminar on Materials and Structural Design 2C	NAKAMURA Hikaru, MIURA Taito	2	2Autumn
		材料・形態学セミナー2D	Seminar on Materials and Structural Design 2D	NAKAMURA Hikaru, MIURA Taito	2	2Spring
		材料・形態学セミナー2E	Seminar on Materials and Structural Design 2E	NAKAMURA Hikaru, MIURA Taito	2	3Autumn
		流域保全学セミナー2A	Seminar on Conservation Engineering of River Basins 2A	TODA Yuji	2	1Autumn
		流域保全学セミナー2B	Seminar on Conservation Engineering of River Basins 2B	TODA Yuji	2	1Spring
		流域保全学セミナー2C	Seminar on Conservation Engineering of River Basins 2C	TODA Yuji	2	2Autumn
		流域保全学セミナー2D	Seminar on Conservation Engineering of River Basins 2D	TODA Yuji	2	2Spring
		流域保全学セミナー2E	Seminar on Conservation Engineering of River Basins 2E	TODA Yuji	2	3Autumn
		海岸・海洋工学セミナー2A	Seminar on Coastal and Maritime Engineering 2A	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	1Autumn
		海岸・海洋工学セミナー2B	Seminar on Coastal and Maritime Engineering 2B	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	1Spring
		海岸・海洋工学セミナー2C	Seminar on Coastal and Maritime Engineering 2C	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	2Autumn
		海岸・海洋工学セミナー2D	Seminar on Coastal and Maritime Engineering 2D	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	2Spring
		海岸・海洋工学セミナー2E	Seminar on Coastal and Maritime Engineering 2E	MIZUTANI Norimi, NAKAMURA Tomoaki, CHO Yonghwan	2	3Autumn
		地盤材料工学セミナー2A	Seminar on Geomaterial Engineering2A	NAKANO Masaki, SAKAI Takayuki	2	1Autumn
		地盤材料工学セミナー2B	Seminar on Geomaterial Engineering2B	NAKANO Masaki, SAKAI Takayuki	2	1Spring
		地盤材料工学セミナー2C	Seminar on Geomaterial Engineering2C	NAKANO Masaki, SAKAI Takayuki	2	2Autumn
		地盤材料工学セミナー2D	Seminar on Geomaterial Engineering2D	NAKANO Masaki, SAKAI Takayuki	2	2Spring
		地盤材料工学セミナー2E	Seminar on Geomaterial Engineering2E	NAKANO Masaki, SAKAI Takayuki	2	3Autumn
		国土防災安全工学セミナー2A	Seminar on Disaster Prevention Geotechnical Engineering 2A	NODA Toshihiro, NAKAI Kentaro	2	1Autumn
		国土防災安全工学セミナー2B	Seminar on Disaster Prevention Geotechnical Engineering 2B	NODA Toshihiro, NAKAI Kentaro	2	1Spring
		国土防災安全工学セミナー2C	Seminar on Disaster Prevention Geotechnical Engineering 2C	NODA Toshihiro, NAKAI Kentaro	2	2Autumn
		国土防災安全工学セミナー2D	Seminar on Disaster Prevention Geotechnical Engineering 2D	NODA Toshihiro, NAKAI Kentaro	2	2Spring
		国土防災安全工学セミナー2E	Seminar on Disaster Prevention Geotechnical Engineering 2E	NODA Toshihiro, NAKAI Kentaro	2	3Autumn
		社会基盤維持管理学セミナー2A	Seminar on Maintenance of Civil Structures 2A	TATEISHI Kazuo, HANJI Takeshi	2	1Autumn
		社会基盤維持管理学セミナー2B	Seminar on Maintenance of Civil Structures 2B	TATEISHI Kazuo, HANJI Takeshi	2	1Spring
		社会基盤維持管理学セミナー2C	Seminar on Maintenance of Civil Structures 2C	TATEISHI Kazuo, HANJI Takeshi	2	2Autumn
		社会基盤維持管理学セミナー2D	Seminar on Maintenance of Civil Structures 2D	TATEISHI Kazuo, HANJI Takeshi	2	2Spring
		社会基盤維持管理学セミナー2E	Seminar on Maintenance of Civil Structures 2E	TATEISHI Kazuo, HANJI Takeshi	2	3Autumn
		国土デザイン学セミナー2A	Land Design Seminar 2A	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	1Autumn
		国土デザイン学セミナー2B	Land Design Seminar 2B	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	1Spring
		国土デザイン学セミナー2C	Land Design Seminar 2C	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	2Autumn
		国土デザイン学セミナー2D	Land Design Seminar 2D	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	2Spring
		国土デザイン学セミナー2E	Land Design Seminar 2E	TOMITA Takashi, NAKAMURA Shinichiro, TASHIRO Mutsumi	2	3Autumn

Civil and Environmental Engineering

Doctoral Course <後期課程>

環境土木工学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Civil and Environmental Engineering Graduate Program 環境土木工学プログラム
						Starts 開講時期
S p e c i a l i z e d 専 門 科 目 c o u r s e s	S e m i n a r セ ミ ナ ー	国際環境協力セミナー2A	Global Environmental Cooperation Seminar2A	HAYASHI Kiichiro	2	1Autumn
		国際環境協力セミナー2B	Global Environmental Cooperation Seminar2B	HAYASHI Kiichiro	2	1Spring
		国際環境協力セミナー2C	Global Environmental Cooperation Seminar2C	HAYASHI Kiichiro	2	2Autumn
		国際環境協力セミナー2D	Global Environmental Cooperation Seminar2D	HAYASHI Kiichiro	2	2Spring
		国際環境協力セミナー2E	Global Environmental Cooperation Seminar2E	HAYASHI Kiichiro	2	3Autumn
		環境エコロジシステムセミナー2A	Seminar on Environmental Ecology System2A	YAMAMOTO Toshiyuki	2	1Autumn
		環境エコロジシステムセミナー2B	Seminar on Environmental Ecology System2B	YAMAMOTO Toshiyuki	2	1Spring
		環境エコロジシステムセミナー2C	Seminar on Environmental Ecology System2C	YAMAMOTO Toshiyuki	2	2Autumn
		環境エコロジシステムセミナー2D	Seminar on Environmental Ecology Systems2D	YAMAMOTO Toshiyuki	2	2Spring
		環境エコロジシステムセミナー2E	Seminar on Environmental Ecology System2E	YAMAMOTO Toshiyuki	2	3Autumn
		グローバル人材育成セミナー	GLOCAL Leaders Seminar	Faculty members	2	2Autumn
		地球環境セミナーⅠ	Global Environmental SeminarⅠ	Faculty members	2	1Spring to 2Autumn
		地球環境セミナーⅡ	Global Environmental SeminarⅡ	Faculty members	2	2Spring to 3Autumn
	Exercises 演習	グローバル研究インターンシップ2	Global Research Internship 2	Faculty members	2	1Autumn to Spring 2Autumn to Spring 3Autumn to Spring
Courses from other departments 他専攻等科目	Of class courses offered by Global 30 International Programs of Graduate School of Engineering Department of other than the majors or of class courses offered by Global 30 International Programs of other graduate schools of the University, Graduate School Common Courses,class courses of graduate schools of other universities under a credit transfer agreement, or the University's undergraduate class courses relating to academic fields that have not been studied by the students, those which are approved by the students' academic advisors and the head of the department 当該専攻以外の工学研究科専攻の国際プログラム群で開講されている授業科目及び本学大学院の他の研究科の国際プログラム群で開講される授業科目、本学大学院共通科目、単位互換協定による他の大学院の授業科目又は工学研究科入学時において当該学生が未履修の学問分野に関する本学学部の授業科目のうち、指導教員及び専攻長が認めた科目					
Research supervision 研究指導						
Method of Completion and Research Supervision (履 修 方 法 及 び 研 究 指 導)						
1. A total of at least 8 credits must be acquired excluding the class courses of Master's Course that have been studied by the students. At least 4 credits from Seminar of Specialized courses above (上記の授業科目及び前期課程の授業科目(既修のものを除く)の中から8単位以上 ただし、上記に掲げた専門科目のセミナー科目から4単位以上)						
2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については、専攻において定めるところにより、指導教員の指示によること)						