

2025 Course List for International Graduate Programs (April 2025 - March 2026)

学科・専攻・コース	登録番号	科目名(英字)	Sem.	単位	TIME	Room	形態	単位	NAME
総合科目 (GENERAL COURSES)	11670	TECHNICAL COMMUNICATION 1	Spring	2	Wed.1	14/203	①	2	IKEDA MAYUMI
	11665	TECHNICAL COMMUNICATION 2	Fall	2	Wed.1	14/204	①	2	IKEDA MAYUMI
	01452	(JEMARO) JAPANESE CULTURE AND SCIENCE/TECHNOLOGY	Fall	2	Tue.1	12/105	①	2	MIKAMI KOICHI
	10889	SCIENCE, TECHNOLOGY AND CULTURE	Fall	2	Tue.1	12/105	①	2	MIKAMI KOICHI
	05678	TECHNICAL COMMUNICATION 2	Fall	2	Mon.2	12/202B	①	2	INOUE KYOKO
	10582	MACROECONOMIC DEVELOPMENTS AND ECONOMIC POLICY IN JAPAN	Spring	2	Tue.5	12/210	①	2	KAWAGOE MASAOKI
日本語 (JAPANESE)	05443	JAPANESE 1 (C)	Spring	1	Wed.3	12/207	①	1	ITO SEIKO
	05883	JAPANESE 1 (D)	Spring	1	Wed.4	12/207	①	1	ITO SEIKO
	07044	JAPANESE 2 (B)	Spring	1	Wed.3	12/202B	①	1	TAKEMURA KAZUKO
	06029	JAPANESE 3 (B)	Spring	1	Wed.4	12/208	①	1	AKISADA MIHO
	05974	JAPANESE 4 (B)	Spring	1	Wed.3	12/208	①	1	AKISADA MIHO
	08442	JAPANESE 1 (A)	Fall	1	Wed.3	12/206	①	1	MITEI
	08184	JAPANESE 3 (A)	Fall	1	Wed.4	12/202C	①	1	MITEI
	08529	JAPANESE 4 (A)	Fall	1	Wed.3	12/202C	①	1	MITEI
	05697	JAPANESE 1 (B)	Fall	1	Wed.4	12/206	①	1	MITEI
	02702	JAPANESE 1 (E)	Fall	1	Wed.3	12/202A	①	1	MITEI
	01400	JAPANESE 1 (F)	Fall	1	Wed.4	12/202A	①	1	MITEI
	05898	JAPANESE 2 (A)	Fall	1	Wed.3	12/102	①	1	MITEI
	03785	JAPANESE ELEMENTARY CONVERSATION	Fall	1	Wed.3	12/208	①	1	MITEI
	10616	JAPANESE 5 (A)	Spring	1	-	-	-	1	Not offered in 2025
	05989	JAPANESE 5 (B)	Fall	1	-	-	-	1	Not offered in 2025
	03508	JAPANESE ELEMENTARY CONVERSATION 2	Fall	1	-	-	-	1	Not offered in 2025
基礎理工学専攻 (FUNDAMENTAL SCIENCE AND TECHNOLOGY)	03345	INTERNSHIP	Spring	2	*2	-	①	2	MATOKA MASANORI
	03680	INTERNSHIP	Fall	2	*2	-	①	2	MATOKA MASANORI
	03020	MATHEMATICAL ENGINEERING FOR QUANTUM MECHANICS	Fall	2	Thu.4	14/202	①	2	YAMAMOTO NAOKI
	01892	ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS	Spring Q2*1	2	Mon.5/Thu.2	12/102	①	2	KAIJU HIDEO and the others
	05219	INTELLIGENT MACHINE SYSTEM	Fall Q3*1	2	Mon.1/Mon.2	12/208	③	2	MURAKAMI TOSHIYUKI
	10874	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12/206	①	2	ASAKURA KOICHI
	10563	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Mon.5	12/209	②	2	YASUOKA KENJI
	12604	TOPICS IN APPLIED PHYSICS A	Spring	2	-	-	-	2	Not offered in 2025
	03493	QUANTUM ELECTRONICS	Spring	2	-	-	-	2	Not offered in 2025
	04891	INFORMATION OPTICS AND OPTICAL MEASUREMENTS	Spring	2	-	-	#N/A	2	Not offered in 2025
	09176	TOPICS IN ORGANOCATALYSIS	Fall	2	-	-	-	2	Not offered in 2025
	09161	PRACTICAL PRESENTATION IN CHEMISTRY 1	Spring	2	-	-	-	2	Not offered in 2025
	09157	PRACTICAL PRESENTATION IN CHEMISTRY 2	Fall	2	-	-	-	2	Not offered in 2025
	02755	SEMINAR ON MODERN ORGANIC CHEMISTRY 1	Spring	2	-	-	-	2	Not offered in 2025
	02736	SEMINAR ON MODERN ORGANIC CHEMISTRY 2	Fall	2	-	-	-	2	Not offered in 2025
	09750	CHEMISTRY AND DAILY LIFE	Fall	2	-	-	-	2	Not offered in 2025
01873	TOPICS IN CARBOHYDRATE CHEMISTRY	Spring	2	-	-	-	2	Not offered in 2025	
総合デザイン工学専攻 (INTEGRATED DESIGN ENGINEERING)	03641	INTERNSHIP	Spring	2	*2	-	①	2	KATSURA SEIICHIRO
	03694	INTERNSHIP	Fall	2	*2	-	①	2	KATSURA SEIICHIRO
	05462	ULTRAPRECISION MACHINING AND METROLOGY	Fall	2	Mon.2	12/103	①	2	YAN JIWANG
	05477	MEMS: DESIGN AND FABRICATION	Spring	2	Thu.2	12/105	①	2	MIKI NORIHISA and the others
	04705	MECHANICAL INTERFACE DESIGN	Fall	2	Thu.3	12/105	③	2	MORITA TOSHIO
	03053	SPACE EXPLORATION ENGINEERING	Fall	2	Fri.2	14/201	①	2	ISHIGAMI GENYA
	04050	BIOMIMETIC MICRO/NANO ENGINEERING	Spring	2	Mon.3	12/109	③	2	ONOE, HIROAKI and the others
	12729	INTELLIGENT MACHINE SYSTEM	Fall Q3*1	2	Mon.1/Mon.2	12/208	③	2	MURAKAMI TOSHIYUKI
	05003	DIGITAL SYNTHESIS OF FORMING PROCESSES	Spring	2	Mon.5	12/105,14/B101	①	2	OYA TETSUO
	09142	ADVANCED CONTROL SYSTEMS DESIGN	Spring	2	Mon.2	12/105	①	2	OHMORI HIROMITSU and the others
	12551	QUANTUM INTERNET AND QUANTUM INFORMATION THEORY	Fall	2	Thu.2	12/208	①	2	TAKEOKA MASAHIRO and the others
	10415	OPTICAL CONTROL OF QUANTUM SYSTEMS	Spring	2	Wed.2	14/204,14/B101	①	2	SAIKI TOSHIHARU and the others
	00547	DIGITAL WIRELESS COMMUNICATIONS	Spring	2	Mon.2	14/211	①	2	SANADA YUKITOSHI
	12714	PHOTONIC NANOSTRUCTURE	Fall	2	Thu.3	12/106	①	2	TANABE TAKASUMI
	03068	ADVANCED SIGNAL PROCESSING	Spring	2	Wed.1	12/106	①	2	YUKAWA MASAHIRO
	03072	ADVANCED SYSTEM ELECTRONICS	Fall	2	Tue.2	ONLINE	④	2	KUBO RYOGO
	09119	LASER PROCESSING	Fall	2	Mon.3	12/101	①	2	TERAKAWA MITSUHIRO
	02459	COGNITIVE ROBOTICS	Spring	2	Fri.5	14/202	①	2	MURATA SHINGO
	01251	NANODEVICE ENGINEERING	Spring	2	Fri.3	12/101	①	2	TANAKA TAKAHISA
	02679	ORGANIC ELECTRONIC MATERIALS AND DEVICES	Spring	2	Fri.1	12/211	①	2	NODA KEI
	09085	CHEMICAL SENSORS / BIOSENSORS AND SENSING MATERIALS	Spring	2	Tue.2	12/206	①	2	CITTERIO DANIEL
	01888	ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS	Spring Q2*1	2	Mon.5/Thu.2	12/102	①	2	KAIJU HIDEO and the other
	11574	COMPUTER VISION	Spring	2	Mon.5	14/202	①	2	SAITO HIDEO
	11995	COMPUTER ARCHITECTURE	Spring	2	Thu.1	12/203,14/203	①	2	KONDO MASAOKI and the others
	11741	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2	Tue.2	12/103	①	2	ISAKARI HIROSHI
	10578	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12/206	①	2	ASAKURA KOICHI
	00987	ADVANCED FLUID MECHANICS	Fall	2	Fri.4	12/209	①	2	OBI SHINNOBUKE and the others
	13099	PHYSICS OF LIVING MATTER	Spring	2	Fri.1	12/209	①	2	DATT CHARU
	01141	MECHANICS OF FLEXIBLE MATERIALS AND STRUCTURAL DESIGN	Spring	2	-	-	-	2	Not offered in 2025
	09090	SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN A	Fall	2	-	-	-	2	Not offered in 2025
	12528	SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN B	Fall	2	-	-	-	2	Not offered in 2025
	00403	MATHEMATICAL AND PHYSICAL METHODS IN FLUID DYNAMICS	Spring	2	-	-	-	2	Not offered in 2025
	12513	APPLIED SYSTEM DESIGN ENGINEERING	Fall	2	-	-	-	2	Not offered in 2025
12532	NANO-ELECTRONICS	Fall	2	-	-	-	2	Not offered in 2025	
12661	INFORMATION OPTICS AND OPTICAL MEASUREMENTS	Spring	2	-	-	-	2	Not offered in 2025	
11077	OPTICAL NETWORK SYSTEM	Fall	2	-	-	-	2	Not offered in 2025	

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開放環境科学専攻 (SCIENCE FOR OPEN AND ENVIRONMENTAL SYSTEMS)	03675	INTERNSHIP	Spring	2	*2	-	①	2	SANO SATOSHI
	03379	INTERNSHIP	Fall	2	*2	-	①	2	SANO SATOSHI
	03819	ENVIRONMENTAL INFORMATION SYSTEM ARCHITECTURE	Fall	2	Tue.3	-	②	2	YASUOKA KENJI and the others
	04136	ENVIRONMENTAL TECHNOSCIENCE AND POLICY	Spring	2	Mon.4	-	②	2	YASUOKA KENJI and the others
	11737	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2	Tue.2	12/103	①	2	ISAKARI HIROSHI
	12862	PUBLIC SPACE AND COMMUNICATION	Fall	2	Mon.4	12/106	①	2	INOUE KYOKO
	03182	ANALYSIS OF ARCHITECTURAL FORM	Fall	2	Fri.5	34/321	①	2	ALMAZAN CABALLERO JORGE
	03087	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12/206	①	2	ASAKURA KOICHI
	10802	COMPRESSIBLE FLUID DYNAMICS	Spring (Every other)	2	Mon.2/Wed.1	12/102	①	2	MATSUO AKIKO
	11081	FINITE ELEMENT MODELING AND SIMULATION	Fall	2	Tue.1	12/206	②	2	MURAMATSU MAYU
	10563	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Mon.5	12/209	②	2	YASUOKA KENJI
	05515	FUNDAMENTALS OF TURBULENCE AND ITS THEORY	Spring	2	Fri.2	12/206	③	2	FUKAGATA KOJI
	04739	ADVANCED ACTUATOR ENGINEERING	Fall	2	Tue.2	12/202A	③	2	TAKEMURA KENJIRO
	03842	ADVANCED COURSE IN APPLIED AND COMPUTATIONAL MECHANICS 2	Fall	2	Mon.1	14/204	②	2	ANDO KEITA and the others
	03599	FUNDAMENTALS OF MULTIPHASE FLOW	Spring	2	Tue.3	11/21	②	2	ANDO KEITA
	02042	MECHANICS AND NUMERICAL SIMULATION OF ADVANCED MATERIALS	Spring	2	Tue.2	11/21	①	2	TAKANO NAOKI
	01471	NONLINEAR DYNAMICS	Fall	2	Thu.5	12/206	②	2	PENG LINYU
	01319	ADVANCED FLUID MECHANICS	Fall	2	Fri.4	12/209	①	2	OBI SHINNOSUKE and the others
	13103	PHYSICS OF LIVING MATTER	Spring	2	Fri.1	12/209	①	2	DATT CHARU
	01543	QUANTUM INTERNET AND QUANTUM INFORMATION THEORY	Fall	2	Thu.2	12/208	①	2	TAKEOKA MASAHIRO and the others
	12088	FORMAL PROGRAMMING LANGUAGE THEORY	Fall	2	Thu.4	14/B102	①	2	TAKIMOTO MUNEHIRO
	12054	ADVANCED COURSE ON NATURAL LANGUAGE PROCESSING	Fall	2	Wed.2	12/108	①	2	OHARA KYOKO and the others
	11608	TOPICS IN COMPUTER OPERATING SYSTEMS	Spring	2	Tue.3	12/108	①	2	KONO KENJI
	00107	COMPUTER VISION	Spring	2	Mon.5	14/202	①	2	SAITO HIDEO
	12016	REAL WORLD INTERACTIVE SYSTEM	Fall	2	Tue.2	14/204	①	2	SUGIURA YUTA
	12001	COMPUTER ARCHITECTURE	Spring	2	Thu.1	12/203,14/203	①	2	KONDO MASAOKI and the others
	11612	DISTRIBUTED SYSTEMS	Fall	2	Fri.5	12/103	①	2	MATSUTANI HIROKI
	06344	DESIGN OF PHYSICALLY GROUNDED COMMUNICATION SYSTEM	Spring	2	Fri.2	12/101	①	2	IMAI MICHITA
	05276	MICROPROCESSOR ARCHITECTURE	Fall	2	Thu.3	12/103	①	2	YAMASAKI NOBUYUKI
	05993	ADVANCED COURSE OF INTERNET BACKBONE ARCHITECTURE	Spring	2	Mon.2	14/204	①	2	YAMANAKA NAOAKI
	05630	AD HOC AND SENSOR NETWORK	Fall	2	Mon.3	14/201	①	2	OTSUKI TOMOAKI
	05132	ADVANCED COURSE ON COMPUTER VISUALIZATION	Spring	2	Thu.4	14/201	①	2	FUJISHIRO ISSEI
	03618	ADVANCED COURSE ON NETWORK SERVICES	Fall	2	Fri.2	12/105	①	2	KANEKO KUNITAKE
	03876	MIXED REALITY	Spring	2	Mon.3	12/211	①	2	SUGIMOTO MAKI
	03603	COMPUTER SCIENCE: EXERCISES	Fall	2	-	*4	①	2	TAKADA SHINGO and the others
	09305	MODELS FOR CONCURRENCY	Spring(Intensive)	2	*5	14/201	①	2	YOSHIDA NOBUKO
	02870	SOFTWARE ENGINEERING: DEVELOPMENT AND TESTING	Spring	2	Tue.5	12/101,12/102	①	2	TAKADA SHINGO
	00934	MACHINE INTELLIGENCE	Spring	2	Fri.4	11/21	①	2	SUGIURA KOMEI
	01323	MEDIA COMPUTING	Fall	2	Tue.3	14/204	①	2	ISOGAWA MARIKO
	01338	ADVANCED VLSI DESIGN EXERCISES	Spring	2	Thu.3	14/B103	①	2	MATSUTANI HIROKI
	13118	COMPUTATIONAL FABRICATION	Spring	2	Fri.3	14/201	①	2	NARUMI KOYA
	13122	SPEECH AND AUDIO PROCESSING	Fall	2	Fri.3	14/204	①	2	TAKAMICHI SHINNOSUKE
	12365	HUMAN-AGENT INTERACTION	Spring	2	Tue.4	12/108	①	2	OSAWA HIROTAKA
	12403	APPLIED STATISTICAL ANALYSIS	Fall	2	Mon.2	12/209	①	2	SUZUKI HIDEO
	11722	ADVANCED TOPICS IN BUSINESS ECONOMICS 2	Fall	2	Fri.4	12/104	①	2	BANDO KEISUKE
	03489	ADVANCED FINANCIAL ENGINEERING 1	Spring	2	Tue.3	12/207	①	2	IMAI JUNICHI
	05147	OPERATIONS MANAGEMENT	Spring	2	Mon.2	12/108	③	2	MATSUKAWA HIROAKI
	05151	OPEN SYSTEMS MANAGEMENT: LECTURE AND LABORATORIES	Fall (Every other week*6)	2	Thu.4/Thu.5	14/211	①	2	YAMADA SHU and the others
	09286	ADVANCED COURSE ON APPLICATION OF EXPERIMENTAL DESIGN	Spring	2	Fri.3	12/207	①	2	YAMADA SHU
	04189	GLOBAL ENVIRONMENTAL POLICY MANAGEMENT	Fall	2	-	-	-	2	Not offered in 2025
	01180	LARGE-SCALE ENVIRONMENTAL SYSTEMS	Fall	2	-	-	-	2	Not offered in 2025
	04428	ADVANCED THEORY OF CONTEMPORARY ARCHITECTURAL DESIGN	Fall	2	-	-	-	2	Not offered in 2025
	12126	THERMAL AND REACTIVE FLUID DYNAMICS	Spring	2	-	-	-	2	Not offered in 2025
	04978	INTRODUCTION TO TURBULENCE MODEL AND ITS APPLICATION	Fall	2	-	-	-	2	Not offered in 2025
	12111	ADVANCED COURSE ON DIGITAL COMMUNICATION THEORY	Spring	2	-	-	-	2	Not offered in 2025
	12183	ADVANCED COURSE IN DATABASE SYSTEMS	Spring	2	-	-	-	2	Not offered in 2025
	06000	ADVANCED COURSE ON NETWORK ENGINEERING	Fall	2	-	-	-	2	Not offered in 2025
	02387	ADVANCED COURSE ON TOTAL QUALITY MANAGEMENT	Spring	2	-	-	-	2	Not offered in 2025

*1 Most courses are taught on a semester system, but the courses marked "Q1" "Q2" "Q3" or "Q4" are conducted on a quarter system which divides a semester into two halves.

Spring Q1 courses: April to May

Spring Q2 courses: End of May to July

Fall Q3 courses: September to mid-November

Fall Q4: Mid-November to January

Please confirm "Course Guidebook" for Academic Year class schedule.

*2 "INTERNSHIP": Internship term is generally around three weeks or more. Please check the "Course Guidebook" in detail.

*3 "COMPRESSIBLE FLUID DYNAMICS": Lecture days are as follows: Apr.9,14,16,21,28,30 May.7,12,14,26, Jun.2,4,9,11

*4 "COMPUTER SCIENCE: EXERCISES": This course does not have lectures.

*5 "MODELS FOR CONCURRENCY": This is an intensive course. Lecture days are as follows: Aug.4(1-5period), Aug.5(1-5period), Aug.6(1-4period)

*6 "OPEN SYSTEMS MANAGEMENT:LECTURE AND LABORATORIES" : Lecture days are as follows: Oct.16,30, Nov.13,27, Dec.11,18, Jan.8

【Type of Classes】

① : Face to Face Classes (conducted mainly in-person)

② : Online Classes (mainly real-time format)

③ : Online Classes (mainly on-demand format)

④ : Online Classes (completely on-demand format)

For more information, please attend the first class and check with the instructor.