

**Course List of 2023 for Short-term Exchange Students (April 2023 - March 2024)**

Program	Code	Subject	Sem.	Cr.	Time	Room	Lecture Type	Professor
General Courses	09764	SCIENCE, TECHNOLOGY AND CULTURE	Fall	2	Wed.2	12-105	①	MIKAMI KOICHI
	09798	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Mon.5	-	②	YASUOKA KENJI
Fundamental Science and Technology	00183	MATHEMATICAL ENGINEERING FOR QUANTUM MECHANICS	Fall	2	Thu.4	14-202	①	YAMAMOTO NAOKI
	12456	ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS	Spring Q2*1	2	Mon.5/Thu.2	12-102	①	KAIJU HIDEO and the others
	02133	INTELLIGENT MACHINE SYSTEM	Fall Q3*1	2	Mon.1/Mon.2	12-208	③	MURAKAMI TOSHIYUKI
	00255	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12-206	③	ASAKURA KOICHI
		TOPICS IN APPLIED PHYSICS A						Not offered in 2023
		QUANTUM ELECTRONICS						Not offered in 2023
		SUPERCONDUCTIVITY AND SOLID STATE ENGINEERING						Not offered in 2023
Integrated Design Engineering	11411	SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN A	Fall (Intensive)	2	*3	-	①	ISSAKOV VADIM
	02387	ULTRAPRECISION MACHINING AND METROLOGY	Fall	2	Mon.2	12-103	①	YAN JIANG
	02391	MEMS: DESIGN AND FABRICATION	Spring	2	Thu.2	12-105	③	MIKI NORIHISA and the others
	01950	MECHANICAL INTERFACE DESIGN	Fall	2	Thu.3	12-105	③	MORITA TOSHIO
	00217	SPACE EXPLORATION ENGINEERING	Fall	2	Fri.2	14-201	①	ISHIGAMI GENYA
	01304	BIOMIMETIC MICRO/NANO ENGINEERING	Spring	2	Mon.3	12-109	③	ONOE, HIROAKI and the others
	13400	MECHANICS OF FLEXIBLE MATERIALS AND STRUCTURAL DESIGN	Spring	2	Mon.5	12-108	①	SANO TOMOHIKO
	11699	ADVANCED CONTROL SYSTEMS DESIGN	Spring	2	Mon.2	12-105	①	OHMORI HIROMITSU and the others
	02133	INTELLIGENT MACHINE SYSTEM	Fall Q3*1	2	Mon.1/Mon.2	12-208	③	MURAKAMI TOSHIYUKI
	07981	APPLIED SYSTEM DESIGN ENGINEERING	Fall	2	Thu.3	14-204	①	BEAUCAMP ANTHONY
	02258	DIGITAL SYNTHESIS OF FORMING PROCESSES	Spring	2	Mon.5	12-105	①	OYA TETSUO
	06913	DIGITAL WIRELESS COMMUNICATIONS	Spring	2	Mon.2	14-211	①	SANADA YUKITOSHI
	09946	OPTICAL CONTROL OF QUANTUM SYSTEMS	Spring	2	Wed.2	14-204	①	SAIKI TOSHIHARU and the others
	07829	OPTO-ELECTRONICS	Spring	2	Thu.1	12-208	①	KANNARI FUMIHIKO
	07795	PHOTONIC NANOSTRUCTURE	Fall	2	Thu.3	12-202A	①	TANABE TAKASUMI
	00221	ADVANCED SIGNAL PROCESSING	Spring	2	Wed.1	12-106	③	YUKAWA MASAHIRO
	00236	ADVANCED SYSTEM ELECTRONICS	Fall	2	Tue.2	-	④	KUBO RYOGO
	11722	LASER PROCESSING	Fall	2	Mon.3	12-101	①	TERAKAWA MITSUHIRO
	11737	ORGANIC ELECTRONIC MATERIALS AND DEVICES	Spring	2	Fri.1	12-211	③	NODA KEI
	13099	COGNITIVE ROBOTICS	Spring	2	Fri.5	12-102	②	MURATA SHINGO
	11426	CHEMICAL SENSORS / BIOSENSORS AND SENSING MATERIALS	Spring	2	Tue.2	12-206	①	CITTERIO DANIEL
	12456	ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS	Spring Q2*1	2	Mon.5/Thu.2	12-102	①	KAIJU HIDEO and the others
	08677	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2	Tue.2	12-103	①	ISAKARI HIROSHI
	00255	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12-206	③	ASAKURA KOICHI
	07044	COMPUTER VISION	Spring	2	Mon.5	14-202	①	SAITO HIDEO
	08495	COMPUTER ARCHITECTURE	Spring	2	Thu.1	12-203/14-203	①	AMANO HIIDEHARU and the others
		SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN B						Not offered in 2023
		MATHEMATICAL AND PHYSICAL METHODS IN FLUID DYNAMICS						Not offered in 2023
		NANO-ELECTRONICS						Not offered in 2023
		OPTICAL NETWORK SYSTEM						Not offered in 2023
Science for Open and Environmental Systems	00733	ENVIRONMENTAL INFORMATION SYSTEM ARCHITECTURE	Spring	2	Wed.6	-	②	YASUOKA, KENJI and the others
	01065	ENVIRONMENTAL TECHNOSCIENCE AND POLICY	Spring	2	Mon.4	-	②	YASUOKA, KENJI and the others
	08677	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2	Tue.2	12-103	①	ISAKARI HIROSHI
	00346	ANALYSIS OF ARCHITECTURAL FORM	Fall	2	Fri.5	34-321	①	ALMAZAN CABALLERO JORGE
	00255	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue.1	12-206	③	ASAKURA KOICHI
	09544	COMPRESSIBLE FLUID DYNAMICS	Spring Q1*1 (Every other week)	2	Mon.2/Wed.1	12-102	②	MATSUO AKIKO
	00767	ADVANCED COURSE IN APPLIED AND COMPUTATIONAL MECHANICS 2	Fall	2	Mon.1	14-204	②	ANDO KEITA and the others
	01983	ADVANCED ACTUATOR ENGINEERING	Fall	2	Tue.2	12-202A	③	TAKEMURA KENJIRO
	09798	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Mon.5	-	②	YASUOKA KENJI
	02430	FUNDAMENTALS OF TURBULENCE AND ITS THEORY	Spring	2	Fri.2	12-206	③	FUKAGATA KOJI
	02224	INTRODUCTION TO TURBULENCE MODEL AND ITS APPLICATION	Fall	2	Tue.5	12-209	②	OBI SHINNOSUKE
	00475	FUNDAMENTALS OF MULTIPHASE FLOW	Spring	2	Tue.3	11-21	②	ANDO KEITA
	09248	FINITE ELEMENT MODELING AND SIMULATION	Fall	2	Tue.1	12-206	②	MURAMATSU MAYU
	12289	MECHANICS AND NUMERICAL SIMULATION OF ADVANCED MATERIALS	Spring	2	Tue.2	11-21	②	TAKANO NAOKI
	12786	NONLINEAR DYNAMICS	Fall	2	Thu.5	12-206	②	PENG LINYU
	08772	TOPICS IN COMPUTER OPERATING SYSTEMS	Spring	2	Tue.3	12-108	①	KONO KENJI
	08017	ADVANCED COURSE IN DATABASE SYSTEMS	Spring	2	Thu.5	12-109	①	TOYAMA MOTOMICHI and the others
	02535	MICROPROCESSOR ARCHITECTURE	Fall	2	Thu.3	12-103	①	YAMASAKI NOBUYUKI
	08419	FORMAL PROGRAMMING LANGUAGE THEORY	Fall	2	Thu.4	12-202A	①	TAKIMOTO MUNEHICO
	08442	ADVANCED COURSE ON NATURAL LANGUAGE PROCESSING	Fall	2	Wed.2	12-108	①	OHARA KYOKO and the others
	03637	DESIGN OF PHYSICALLY GROUNDED COMMUNICATION SYSTEM	Spring	2	Fri.2	12-101	①	IMAI MICHITA
	03292	ADVANCED COURSE ON NETWORK ENGINEERING	Fall	2	Mon.4	12-106/14-B101	①	TERAOKA FUMIO
	11536	SOFTWARE ENGINEERING: DEVELOPMENT AND TESTING	Spring	2	Tue.5	12-101/12-102	①	TAKADA SHINGO
	02057	ADVANCED COURSE ON COMPUTER VISUALIZATION	Spring	2	Thu.4	14-201	①	FUJISHIRO ISSEI

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Science for Open and Environmental Systems	00494	ADVANCED COURSE ON NETWORK SERVICES	Fall	2	Fri.2	12-105	①	KANEKO KUNITAKE
	08476	REAL WORLD INTERACTIVE SYSTEM	Fall	2	Tue.2	14-204	①	SUGIURA YUTA
	07044	COMPUTER VISION	Spring	2	Mon.5	14-202	①	SAITO HIDEO
	08089	ADVANCED COURSE ON DIGITAL COMMUNICATION THEORY	Spring	2	Tue.2	14-204	①	SASASE IWAO
	03288	ADVANCED COURSE OF INTERNET BACKBONE ARCHITECTURE	Spring	2	Mon.2	14-204	①	YAMANAKA NAOAKI
	02903	AD HOC AND SENSOR NETWORK	Fall	2	Mon.3	14-201	①	OTSUKI TOMOAKI
	08495	COMPUTER ARCHITECTURE	Spring	2	Thu.1	12-203/14-203	①	AMANO HIDEHARU and the others
	00805	MIXED REALITY	Spring	2	Mon.3	12-211	①	SUGIMOTO MAKI
	11134	MODELS FOR CONCURRENCY	Spring(Intensive)	2	*5	-	①	YOSHIDA NOBUKO
	13118	MACHINE INTELLIGENCE	Spring	2	Fri.4	12-108	①	SUGIURA KOMEI
	08165	HUMAN-AGENT INTERACTION	Spring	2	Tue.4	12-108	①	OSAWA HIROTAKA
	01816	ADVANCED FINANCIAL ENGINEERING 1	Spring	2	Tue.3	12-202B	①	IMAI JUNICHI
	08112	APPLIED STATISTICAL ANALYSIS	Fall	2	Mon.2	12-209	①	SUZUKI HIDEO
	02061	OPERATIONS MANAGEMENT	Fall	2	Mon.2	14-203	③	MATSUKAWA HIROAKI
	02076	OPEN SYSTEMS MANAGEMENT: LECTURE AND LABORATORIES	Fall (Every other week*7)	2	Thu.4/Thu.5	14-211	①	YAMADA SHU and the others
	08696	ADVANCED TOPICS IN BUSINESS ECONOMICS 2	Fall	2	Fri.4	12-104	①	BANDO KEISUKE
	11149	ADVANCED COURSE ON APPLICATION OF EXPERIMENTAL DESIGN	Fall	2	Fri.5	12-207	①	YAMADA SHU
		DISTRIBUTED SYSTEMS						Not offered in 2023
		DYNAMICS IN ARCHITECTURAL ENGINEERING						Not offered in 2023
		PUBLIC SPACE AND COMMUNICATION						Not offered in 2023
		ADVANCED THEORY OF CONTEMPORARY ARCHITECTURAL DESIGN						Not offered in 2023
		THERMAL AND REACTIVE FLUID DYNAMICS						Not offered in 2023
		SYSTEMS PERFORMANCE EVALUATION						Not offered in 2023
		ADVANCED COURSE ON TOTAL QUALITY MANAGEMENT						Not offered in 2023
Faculty of Science and Technology	06545	STABILITY THEORY IN DYNAMICS SYSTEMS/SPECIAL LECTURE IN MATHEMATICAL SCIENCE 1	Fall Q4*1	2	Mon.2	12-101	①	PENG LINYU
	11961	SPECIAL LECTURE IN MECHANICAL ENGINEERING	Spring Q1*1	2	Mon.5	12-104	①	PENG LINYU
	42762	INTRODUCTION TO FLUID MECHANICS	Fall Q4*1	2	Tue.2	D204 *6	①	ANDO KEITA
Japanese	01027	JAPANESE ELEMENTARY CONVERSATION	Fall	1	Wed.3	12-208	①	MITEI
	00700	JAPANESE ELEMENTARY CONVERSATION 2	Fall	1	Wed.4	12-208	①	MITEI
	05443	JAPANESE 1 (A)	Fall	1	Wed.3	12-206	①	MITEI
	02975	JAPANESE 1 (B)	Fall	1	Wed.4	12-206	①	MITEI
	02698	JAPANESE 1 (C)	Spring	1	Wed.3	12-207	①	HASEGAWA YUKA
	03178	JAPANESE 1 (D)	Spring	1	Wed.4	12-207	①	HASEGAWA YUKA
	13266	JAPANESE 1 (E)	Fall	1	Wed.3	12-102	①	MITEI
	13285	JAPANESE 1 (F)	Fall	1	Wed.4	12-102	①	MITEI
	03182	JAPANESE 2 (A)	Fall	1	Wed.3	12-202C	①	MITEI
	04356	JAPANESE 2 (B)	Spring	1	Wed.3	12-208	①	SANAI KAORU
	05515	JAPANESE 3 (A)	Fall	1	Wed.4	14-204	①	MITEI
	03311	JAPANESE 3 (B)	Spring	1	Wed.4	12-208	①	SANAI KAORU
	05850	JAPANESE 4 (A)	Fall	1	Wed.4	12-202A	①	MITEI
	03269	JAPANESE 4 (B)	Spring	1	Wed.4	12-202A	①	HAYASHI KAORI
		JAPANESE 5 (A)						Not offered in 2023
		JAPANESE 5 (B)						Not offered in 2023

\*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 Q1courses: 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 page 8-9 of the "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 "SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN A": This is an intensive course. Lecture days have not been decided yet. Please ask the Academic Services in the Office of Student Services.

\*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.3(1-5period), Aug.4(1-5period), Aug.5(1-4period)

\*6 This class is held in Hiyoishi Campus.

\*7 "OPEN SYSTEMS MANAGEMENT:LECTURE AND EXERCISES" : Lecture days are as follows: Oct.19, Nov.2,16,30, Dec.14, Jan.11

[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.