

## 2019 Course List for Short Term International Students (April 2019 - March 2020)

Program	Code	Subject	Sem.	Cr.	Time	Room	Professor
General Course *2	02956	SCIENCE, TECHNOLOGY AND CULTURE	Fall	2	Thu/2	12-102	IMOTO, YUKI
	01338	CROSS-CULTURAL UNDERSTANDING 1-Das heutige Deutschland, das heutige Japan ドイツの今, 日本の今	Spring	2	Mon/1	12-202D	YOKOYAMA, YOSHIHIRO
	01816	CROSS-CULTURAL UNDERSTANDING 1-Discussion in French	Spring	2	Mon/5	14-211	ARAKANE, NAOTO
	03068	CROSS-CULTURAL UNDERSTANDING 2-Das heutige Deutschland, das heutige Japan ドイツの今, 日本の今	Fall	2	Mon/1	12-202D	YOKOYAMA, YOSHIHIRO
	01835	CROSS-CULTURAL UNDERSTANDING 2-Discussion in French	Fall	2	Mon/5	14-211	ARAKANE, NAOTO
Fundamental Science and Technology	12403	CHEMISTRY AND DAILY LIFE	Fall	2			Not offered in 2019
	12365	PRACTICAL PRESENTATION IN CHEMISTRY 1	Spring	2			Not offered in 2019
	12370	PRACTICAL PRESENTATION IN CHEMISTRY 2	Fall	2			Not offered in 2019
	12331	TOPICS IN CARBOHYDRATE CHEMISTRY	Spring	2			Not offered in 2019
	12384	SEMINAR ON MODERN ORGANIC CHEMISTRY 1	Spring	2			Not offered in 2019
	12399	SEMINAR ON MODERN ORGANIC CHEMISTRY 2	Fall	2			Not offered in 2019
	12346	TOPICS IN ORGANOCATALYSIS	Fall	2			Not offered in 2019
	08089	ANALYTICAL METHODS IN APPLIED PHYSICS AND INFORMATICS	Spring	2	Mon/2	12-102	HONDA, SATOSHI
	00312	SUPERCONDUCTIVITY AND SOLID STATE ENGINEERING	Spring Q2*1	2	Mon/4, 5	12-208	KAMIHARA, YOICHI
	12150	PHYSICS AND MODELING OF SEMICONDUCTOR DEVICES	Fall	2			Not offered in 2019
	00590	QUANTUM ELECTRONICS	Fall	2	Thu/2	12-103	HAYASE, JUNKO
	00418	MATHEMATICAL ENGINEERING FOR QUANTUM MECHANICS	Spring	2	Thu/4	14-202	YAMAMOTO, NAOKI
	08093	NATURAL PRODUCTS CHEMISTRY	Fall	2			Not offered in 2019
	11077	CONTROL THEORY FOR BIOSYSTEM	Fall	2			Not offered in 2019
	02133	SYSTEM BIOMECHANICS	Spring	2			Not offered in 2019
	02148	INTELLIGENT MACHINE SYSTEM	Fall Q1*1	2	Mon/1, 2	12-101	MURAKAMI, TOSHIYUKI
	02152	INFORMATION OPTICS AND OPTICAL MEASUREMENTS	Spring	2	Tue/3	12-102	OKADA, EIJI
Integrated Design Engineering	09142	OPTICAL FUNCTIONAL MATERIALS	Spring	2	Tue/3	14-201	KOIKE, YASUHIRO
	09931	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue/1	12-206	ASAKURA, KOICHI
	08390	SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN B	Fall	2	Tue/2	12-105	KIM, YUNJAE
	00111	SPACE EXPLORATION ENGINEERING	Fall	2	Fri/2	14-201	ISHIGAMI, GENYA
	02391	ULTRAPRECISION MACHINING AND METROLOGY	Spring	2	Mon/2	12-202A	YAN, JI WANG
	07082	MATHEMATICAL AND PHYSICAL METHODS IN FLUID DYNAMICS	Fall	2	Thu/1	12-209	SAWADA, TATSUO
	01228	BIOMIMETIC MICRO/NANO ENGINEERING	Spring	2	Mon/3	12-109	ONOE, HIROAKI
	01945	MECHANICAL INTERFACE DESIGN	Fall	2	Thu/3	12-106	MORITA, TOSHIO
	02406	MEMS: DESIGN AND FABRICATION	Spring	2	Thu/2	12-105	MIKI, NORIHISA
	08165	ADVANCED DESIGN AND PRODUCTION SYSTEM	Spring	2	Mon/3	12-102	AOYAMA, HIDEKI OYA, TETSUO
	12035	ADVANCED CONTROL SYSTEMS DESIGN	Spring	2	Mon/2	12-105	OHMORI, HIROMITSU NAMERIKAWA, TORU
	08036	SYSTEM BIOMECHANICS	Spring	2			Not offered in 2019
	08170	INTELLIGENT MACHINE SYSTEM	Fall Q1*1	2	Mon/1, 2	12-101	MURAKAMI, TOSHIYUKI
	00145	ADVANCED SYSTEM ELECTRONICS	Fall	2			Not offered in 2019
	00126	ADVANCED SIGNAL PROCESSING	Spring	2	Wed/1	12-106	YUKAWA, MASAHIRO
	07264	DIGITAL WIRELESS COMMUNICATIONS	Spring	2	Mon/2	14-211	SANADA, YUKITOSHI
	12054	COMPREHENSIVE EXERCISE OF ELECTRONICS AND ELECTRICAL ENGINEERING	Spring	2	Mon/4	11-31	TANABE, TAKASUMI
	12164	PHYSICS AND MODELING OF SEMICONDUCTOR DEVICES	Fall	2			Not offered in 2019
	08222	OPTO-ELECTRONICS	Spring	2	Thu/1	12-208	KANNARI, FUMIHIKO
	08237	INFORMATION OPTICS AND OPTICAL MEASUREMENTS	Spring	2	Tue/3	12-102	OKADA, EIJI
	10453	OPTICAL CONTROL OF QUANTUM SYSTEMS	Spring	2			Not offered in 2019
	10085	OPTICAL NETWORK SYSTEM	Fall	2	Fri/2	12-102	TSUDA, HIROYUKI
	08438	PHOTONIC NANOSTRUCTURE	Spring	2	Tue/5	12-207	TANABE, TAKASUMI
	12073	ORGANIC ELECTRONIC MATERIALS AND DEVICES	Spring	2	Fri/1	12-211	NODA, KEI
	12069	LASER PROCESSING	Fall	2	Mon/3	11-16	TERAKAWA, MITSUHIRO
	12092	CHEMICAL SENSORS / BIOSENSORS AND SENSING MATERIALS	Spring	2	Tue/2	12-206	CITTERIO, DANIEL
	07977	TECHNICAL ENGLISH FOR INTEGRATED DESIGN AND ENGINEERING	Spring	2			Not offered in 2019
	08199	OPTICAL FUNCTIONAL MATERIALS	Spring	2	Tue/3	14-201	KOIKE, YASUHIRO
	09946	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue/1	12-206	ASAKURA, KOICHI
	09104	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring Q1*1	2	Mon/2 Thu/3	12-207	OGUNI, KENJI
	08639	COMPUTER ARCHITECTURE	Spring	2	Thu/1	12-204	AMANO, HIDEHARU
	08901	COMPUTER VISION	Spring	2	Mon/5	14-202	SAITO, HIDEO
	09119	INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring Q1*1	2	Mon/2 Thu/3	12-207	OGUNI, KENJI
	00255	ANALYSIS OF ARCHITECTURAL FORM	Fall	2	Fri/5	34-321	ALMAZAN CABALLERO, JORGE
	01763	ARCHITECTURAL AND BUILDING DESIGN STUDIO B	Spring	4			Not offered in 2019
	00657	DYNAMICS IN ARCHITECTURAL ENGINEERING	Spring	2			Not offered in 2019
	08017	PUBLIC SPACE AND COMMUNICATION	Fall	2	Wed/2	12-106	INOUE, KYOKO
	01649	ADVANCED COURSE ON SUSTAINABLE ARCHITECTURE AND CITIES	Fall	2			Not offered in 2019
	08533	THERMAL AND REACTIVE FLUID DYNAMICS	Spring	2	Fri/1	12-209	UEDA, TOSHIHISA
	00150	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue/1	12-206	ASAKURA, KOICHI
	01979	ADVANCED ACTUATOR ENGINEERING	Fall	2			Not offered in 2019
	10032	COMPRESSIBLE FLUID DYNAMICS	Spring	2	Mon/2 Wed/1 *3	12-102	MATSUO, AKIKO
	00661	ADVANCED COURSE IN APPLIED AND COMPUTATIONAL MECHANICS 2	Fall	2	Mon/1	14-202	OGIHARA, NAOMICHI OBI, SHINNOSUKE TAKANO, NAOKI MATSUO, AKIKO YASUOKA, KENJI FUKAGATA, KOJI MURAMATSU, MAYU

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Science for Open and Environmental Systems	00700	FUNDAMENTALS OF MULTIPHASE FLOW	Spring	2	Mon/4	12-207	ANDO, KEITA
	01983	BIOMECHANICS AND CONTROL OF HUMAN MOVEMENTS	Fall	2			Not offered in 2019
	09965	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Thu/2	12-209	YASUOKA, KENJI
	10066	FINITE ELEMENT MODELING AND SIMULATION	Fall	2	Tue/1	12-206	MURAMATSU, MAYU TAKANO, NAOKI
	13357	MECHANICS AND NUMERICAL SIMULATION OF ADVANCED MATERIALS	Spring	2	Tue/2	11-21	TAKANO, NAOKI MURAMATSU, MAYU
	02444	FUNDAMENTALS OF TURBULENCE AND ITS THEORY	Spring	2	Fri/2	12-206	FUKAGATA, KOJI
	02239	INTRODUCTION TO TURBULENCE MODEL AND ITS APPLICATION	Fall	2	Tue/5	12-209	OBI, SHINNOSUKE
	02937	AD HOC AND SENSOR NETWORK	Fall	2	Mon/3	14-201	OTSUKI, TOMOAKI
	03311	ADVANCED COURSE OF INTERNET BACKBONE ARCHITECTURE	Spring	2	Mon/2	14-204	YAMANAKA, NAOAKI
	08878	TOPICS IN COMPUTER OPERATING SYSTEMS	Spring	2	Tue/3	14-203	KONO, KENJI
	08830	FORMAL PROGRAMMING LANGUAGE THEORY	Spring	2	Mon/3	14-B101	TAKIMOTO, MUNEHIO
	08624	COMPUTER ARCHITECTURE	Spring	2	Thu/1	12-204	AMANO, HIDEHARU
	02057	ADVANCED COURSE ON COMPUTER VISUALIZATION	Spring	2	Thu/4	14-201	FUJISHIRO, ISSEI
	00714	COMPUTER SCIENCE: EXERCISES	Fall	2	*4		TAKADA, SHINGO
	07408	COMPUTER VISION	Spring	2	Mon/5	14-202	SAITO, HIDEO
	02922	SYSTEMS PERFORMANCE EVALUATION	Fall	2			Not offered in 2019
	08863	ADVANCED COURSE ON NATURAL LANGUAGE PROCESSING	Fall	2	Fri/4	12-102	SAITO, HIROAKI
	03675	DESIGN OF PHYSICALLY GROUNDED COMMUNICATION SYSTEM	Spring	2	Fri/2	12-101	IMAI, MICHITA
	12202	SOFTWARE ENGINEERING: DEVELOPMENT AND TESTING	Spring	2	Tue/5	12-101	TAKADA, SHINGO
	08548	ADVANCED COURSE ON DIGITAL COMMUNICATION THEORY	Spring	2	Tue/2	14-204	SASASE, IWAO
	09252	ADVANCED COURSE IN DATABASE SYSTEMS	Spring	2	Fri/3	12-104	TOYAMA, MOTOMICHI
	03326	ADVANCED COURSE ON NETWORK ENGINEERING	Fall	2	Mon/4	12-106	TERAOKA, FUMIO
	00729	ADVANCED COURSE ON NETWORK SERVICES	Fall	2	Fri/2	12-105	KANEKO, KUNITAKE
	00733	MIXED REALITY	Spring	2			Not offered in 2019
	09200	DISTRIBUTED SYSTEMS	Fall	2	Fri/5	12-103	MATSUTANI, HIROKI
	12126	MODELS FOR CONCURRENCY	Spring	2	*5	12-207	YOSHIDA, NOBUKO
	02540	MICROPROCESSOR ARCHITECTURE	Fall	2	Thu/3	12-103	YAMASAKI, NOBUYUKI
	12145	ADVANCED COURSE ON APPLICATION OF EXPERIMENTAL DESIGN	Fall	2			Not offered in 2019
	08571	APPLIED STATISTICAL ANALYSIS	Fall	2	Mon/2	12-209	SUZUKI, HIDEO
	02076	OPEN SYSTEMS MANAGEMENT: LECTURE AND EXERCISES	Fall	2	Thu/4,5	14-211	IMAI, JUNICHI SUZUKI, HIDEO HIBIKI, NORIO MASUDA, YASUSHI MATSUKAWA, HIROAKI YAMAGUCHI, TAKAHIRA YAMADA, SHU MATSUURA, SHUN KURIHARA, SATOSHI
	02061	OPERATIONS MANAGEMENT	Spring	2	Mon/2	14-203	MATSUKAWA, HIROAKI
	09123	MODELING AND ANALYSIS OF STOCHASTIC SYSTEMS	Fall	2	Fri/4	14-204	MASUDA, YASUSHI
	13361	ADVANCED COURSE ON TOTAL QUALITY MANAGEMENT	Fall	2	Fri/5	12-101	YAMADA, SHU
	01801	ADVANCED FINANCIAL ENGINEERING 1	Spring	2	Tue/3	12-202C	IMAI, JUNICHI
Japanese	05682	JAPANESE 1A	Fall	1	Please see the Japanese Class Schedule for the latest information		
	03015	JAPANESE 1B	Fall	1			
	03053	JAPANESE 1C	Spring	1			
	03201	JAPANESE 1D	Spring	1			
	03216	JAPANESE 2A	Fall	1			
	05697	JAPANESE 2B	Spring	1			
	05754	JAPANESE 3A	Fall	1			
	03350	JAPANESE 3B	Spring	1			
	05769	JAPANESE 4A	Fall	1			
	03292	JAPANESE 4B	Spring	1			
	00949	JAPANESE ELEMENTARY CONVERSATION	Fall	1			
	00604	JAPANESE ELEMENTARY CONVERSATION 2	Fall	1			
Research	-	INDEPENDENT STUDY FOR EXCHANGE STUDENT A	Spring	2			Your Academic Advisor (Only available for Students who have chosen "Research Only" program or "Research and Courses" program)
	-	INDEPENDENT STUDY FOR EXCHANGE STUDENT B	Fall	2			Your Academic Advisor (Only available for Students who have chosen "Research Only" program or "Research and Courses" program)

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

Spring Q1 courses: April to May

Spring Q2 courses: first class day of the courses are as follows: Monday June 10, Tuesday June 4, Wednesday June 5, Thursday June 6, Friday June 7, Saturday June 8

Fall Q1 courses: September to mid-November

Fall Q2: first class day of the courses are as follows: Monday November 18, Tuesday Nov 26, Wednesday Nov 20, Thursday Nov 28, Friday Nov 15, Saturday Nov 16

Please confirm page 4-7 of the "Course Guidebook and Syllabus" for class schedule.

\*2 Short-term international students are not allowed to register "General Courses", but "SCIENCE, TECHNOLOGY AND CULTURE" and "CROSS-CULTURAL UNDERSTANDING 1/2" are exceptions.

\*3 "COMPRESSIBLE FLUID DYNAMICS": Lecture days are as follows: April 8, 10, 15, 17, 22, 24 May 6, 8, 13, 15, 20, 22 June 5 and 10

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

\*5 "MODELS FOR CONCURRENCY": This is an intensive course. Lecture days are as follows: August 5 and 6 period 1 - 5, August 7 period 1 - 4