2018 Course List for Short Term International Students (April 2018 - March 2019)

Program	Code	Subject	Sem.	Cr.	Time	Room	Professor
International Center (General Course)	(TBD)	SCIENCE, TECHNOLOGY AND CULTURE	Fall	2	Thu/2	12-102	INOUE, KYOKO
Fundamental Science and Technology	12786	CHEMISTRY AND DAILY LIFE	Fall	2	Fri/2	12-103	SHING, TONY KUNG MING
	12748	PRACTICAL PRESENTATION IN CHEMISTRY 1	Spring	2	Wed/2	12-102	SHING, TONY KUNG MING
	12752	PRACTICAL PRESENTATION IN CHEMISTRY 2	Fall	2	Fri/4	12-102	SHING, TONY KUNG MING
	12729	TOPICS IN CARBOHYDRATE CHEMISTRY	Spring	2	Thu/5	11-12	SHING, TONY KUNG MING
	12767	SEMINAR ON MODERN ORGANIC CHEMISTRY 1	Spring	2	Fri/3	12-105	SHING, TONY KUNG MING
	12771	SEMINAR ON MODERN ORGANIC CHEMISTRY 2	Fall	2	Wed/2	12-103	SHING, TONY KUNG MING
	12733	TOPICS IN ORGANOCATALYSIS	Fall	2	Mon/4	12-103	SHING, TONY KUNG MING
	08275	ANALYTICAL METHODS IN APPLIED PHYSICS AND INFORMATICS	Spring	2	Tue/1	12-102	HONDA, SATOSHI
		SUPERCONDUCTIVITY AND SOLID STATE ENGINEERING	Spring	2			Not offered in 2018
	12528	PHYSICS AND MODELING OF SEMICONDUCTOR DEVICES	Fall	2	Thu/2	12-103	ITOH, KOHEI UCHIDA, KEN
		QUANTUM ELECTRONICS	Fall	2			Not offered in 2018
		MATHEMATICAL ENGINEERING FOR QUANTUM MECHANICS	Spring	2			Not offered in 2018
		NATURAL PRODUCTS CHEMISTRY	Fall	2			Not offered in 2018
		CONTROL THEORY FOR BIOSYSTEM	Fall	2			Not offered in 2018
		SYSTEM BIOMECHANICS	Spring	2			Not offered in 2018
	02205	INTELLIGENT MACHINE SYSTEM	Fall Q1*1	2	Mon/1, 2	12-101	MURAKAMI, TOSHIYUKI
	02210	INFORMATION OPTICS AND OPTICAL MEASUREMENTS	Spring	2	Tue/3	12-102	OKADA, EIJI
	09339	OPTICAL FUNCTIONAL MATERIALS	Spring	2	Tue/3	14-201	KOIKE, YASUHIRO
	10138	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue/1	12-206	ASAKURA, KOICHI
Integrated Design Engineering	00107	SPACE EXPLORATION ENGINEERING	Fall	2	Fri/2	14-201	ISHIGAMI, GENYA
		ULTRAPRECISION MACHINING AND METROLOGY	Spring	2			Not offered in 2018
	08404	MATHEMATICAL AND PHYSICAL METHODS IN FLUID DYNAMICS	Fall	2	Thu/1	12-209	SAWADA, TATSUO
	01285	BIOMIMETIC MICRO/NANO ENGINEERING	Spring	2	Mon/3	12-109	ONOE, HIROAKI
	01998	MECHANICAL INTERFACE DESIGN	Fall	2	Thu/3	12-106	MORITA, TOSHIO
	02463	MEMS: DESIGN AND FABRICATION	Spring	2	Thu/2	14-204	MIKI, NORIHISA
	08347	ADVANCED DESIGN AND PRODUCTION SYSTEM	Spring	2	Mon/4	12-104	AOYAMA, HIDEKI OYA, TETSUO
	12403	ADVANCED CONTROL SYSTEMS DESIGN	Spring	2	Mon/2	12-105	OHMORI, HIROMITSU NAMERIKAWA, TORU
		SYSTEM BIOMECHANICS	Spring	2			Not offered in 2018
	08351	INTELLIGENT MACHINE SYSTEM	Fall Q1*1	2	Mon/1, 2	12-101	MURAKAMI, TOSHIYUKI
	00126	ADVANCED SYSTEM ELECTRONICS	Fall	2	Tue/2	12-105	KUBO, RYOGO
	00111	ADVANCED SIGNAL PROCESSING	Spring	2	Wed/1	12-106	YUKAWA, MASAHIRO
	07446	DIGITAL WIRELESS COMMUNICATIONS	Spring	2	Mon/2	14-201	SANADA, YUKITOSHI
	12422	COMPREHENSIVE EXERCISE OF ELECTRONICS AND ELECTRICAL ENGINEERING	Spring	2	Mon/4	12-109	YUKAWA, MASAHIRO
	12532	PHYSICS AND MODELING OF SEMICONDUCTOR DEVICES	Fall	2	Thu/2	12-103	ITOH, KOHEI UCHIDA, KEN
	08419	OPTO-ELECTRONICS	Spring	2	Thu/1	12-208	KANNARI, FUMIHIKO
	08423	INFORMATION OPTICS AND OPTICAL MEASUREMENTS	Spring	2	Tue/3	12-102	OKADA, EIJI
	10654	OPTICAL CONTROL OF QUANTUM SYSTEMS	Spring	2	Wed/2	14-204	SAIKI, TOSHIHARU
		OPTICAL NETWORK SYSTEM	Fall	2			Not offered in 2018
	08624	PHOTONIC NANOSTRUCTURE	Spring	2	Tue/5	12-207	TANABE, TAKASUMI
	12441	ORGANIC ELECTRONIC MATERIALS AND DEVICES	Fall	2	Tue/2	12-210	NODA, KEI
	12437	LASER PROCESSING	Fall	2	Mon/3	11-16	TERAKAWA, MITSUHIRO
	12475	CHEMICAL SENSORS / BIOSENSORS AND SENSING MATERIALS	Spring	2	Tue/2	12-206	CITTERIO, DANIEL
	03900	FUNCTIONAL THIN FILM ENGINEERING	Spring	2	Thu/2	14-202	SHIRATORI, SEIMEI
		TECHNICAL ENGLISH FOR INTEGRATED DESIGN AND ENGINEERING	Spring	2			Not offered in 2018
	08385	OPTICAL FUNCTIONAL MATERIALS	Spring	2	Tue/3	14-201	KOIKE, YASUHIRO
	10142	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue/1	12-206	ASAKURA, KOICHI
		INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2			Not offered in 2018
	08825	COMPUTER ARCHITECTURE	Spring	2	Fri/4	14-203	AMANO, HIDEHARU
	09090	COMPUTER VISION	Spring	2	Mon/5	14-202	SAITO, HIDEO
Science for Open and Environmental Systems		INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS	Spring	2			Not offered in 2018
		ANALYSIS OF ARCHITECTURAL FORM	Fall	2			Not offered in 2018
	01816	ARCHITECTURAL AND BUILDING DESIGN STUDIO B	Spring	4	Wed/4, 5	34-321	RADVIC, DARKO ALMAZAN, JORGE KISHIMOTO. TATSUYA KONDO, TETSUO SAIKAWA, TAKUMI
	00695	DYNAMICS IN ARCHITECTURAL ENGINEERING	Spring	2	Mon/2	12-207	MITA, AKIRA
	08203	PUBLIC SPACE AND COMMUNICATION	Fall	2	Thu/3	12-102	INOUE, KYOKO
	01691	ADVANCED COURSE ON SUSTAINABLE ARCHITECTURE AND CITIES	Fall	2	Fri/4	12-208	RADVIC, DARKO

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Science for Open and Environmental Systems	08720	THERMAL AND REACTIVE FLUID DYNAMICS	Spring	2	Fri/1	12-209	UEDA, TOSHIHISA
	00145	NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM	Spring	2	Tue/1	12-206	ASAKURA, KOICHI
	02023	ADVANCED ACTUATOR ENGINEERING	Fall	2	Tue/2	12-202B	TAKEMURA, KENJIRO
	10233	COMPRESSIBLE FLUID DYNAMICS	Spring	2	Mon/2 Wed/1 *2	12-205	MATSUO, AKIKO
	00700	ADVANCED COURSE IN APPLIED AND COMPUTATIONAL MECHANICS 2	Fall	2	Mon/1	14-202	OGIHARA, NAOMICHI OBI, SHINNOSUKE TAKANO, NAOKI MATSUO, AKIKO YASUOKA, KENJI CHUN, HEOUNGJAE TAKEMURA, KENJIRO ANDO, KEITA
	00733	FUNDAMENTALS OF MULTIPHASE FLOW	Spring	2	Mon/4	12-202B	ANDO, KEITA
	02038	BIOMECHANICS AND CONTROL OF HUMAN MOVEMENTS	Fall	2	Fri/2	12-105	OGIHARA, NAOMICHI
	10157	ADVANCED COURSE OF MOLECULAR DYNAMICS	Fall	2	Tue/3	12-208	YASUOKA, KENJI
	10267	FINITE ELEMENT MODELING AND SIMULATION	Fall	2	Tue/1	12-206	TAKANO, NAOKI
	02497	FUNDAMENTALS OF TURBULENCE AND ITS THEORY	Spring	2	Fri/2	12-206	FUKAGATA, KOJI
	02281	INTRODUCTION TO TURBULENCE MODEL AND ITS APPLICATION	Fall	2	Tue/5	12-209	OBI, SHINNOSUKE
	02994	AD HOC AND SENSOR NETWORK	Fall	2	Mon/3	14-201	OTSUKI, TOMOAKI
	03436	ADVANCED COURSE OF INTERNET BACKBONE ARCHITECTURE	Spring	2	Mon/2	14-204	YAMANAKA, NAOAKI
	09051	TOPICS IN COMPUTER OPERATING SYSTEMS	Spring	2	Tue/3	14-203	KONO, KENJI
	09013	FORMAL PROGRAMMING LANGUAGE THEORY	Spring	2	Mon/3	14-B101	TAKIMOTO, MUNEHIRO
	08806	COMPUTER ARCHITECTURE	Spring	2	Fri/4	14-203	AMANO, HIDEHARU
	02114	ADVANCED COURSE ON COMPUTER VISUALIZATION	Spring	2	Thu/4	14-201	FUJISHIRO, ISSEI
	00748	COMPUTER SCIENCE: EXERCISES	Fall	2	*3		TAKADA, SHINGO
	07594	COMPUTER VISION	Spring	2	Mon/5	14-202	SAITO, HIDEO
		SYSTEMS PERFORMANCE EVALUATION	Fall	2			Not offered in 2018
	09047	ADVANCED COURSE ON NATURAL LANGUAGE PROCESSING	Fall	2	Wed/2	12-106	OHARA, KYOKO SAITO, HIROAKI
	03819	DESIGN OF PHYSICALLY GROUNDED COMMUNICATION SYSTEM	Spring	2	Fri/2	12-101	IMAI, MICHITA
	12590	SOFTWARE ENGINEERING: DEVELOPMENT AND TESTING	Spring	2	Tue/5	12-101	TAKADA, SHINGO
	08734	ADVANCED COURSE ON DIGITAL COMMUNICATION THEORY	Spring	2	Tue/2	14-204	SASASE, IWAO
	09449	ADVANCED COURSE IN DATABASE SYSTEMS	Spring	2	Fri/3	12-104	TOYAMA, MOTOMICHI
	03455	ADVANCED COURSE ON NETWORK ENGINEERING	Spring	2	Mon/4	12-106	TERAOKA, FUMIO
	00752	ADVANCED COURSE ON NETWORK SERVICES	Fall	2	Fri/2	12-106	KANEKO, KUNITAKE
		MIXED REALITY	Spring	2			Not offered in 2018
	09381	DISTRIBUTED SYSTEMS	Fall	2	Fri/5	12-103	MATSUTANI, HIROKI
	12509	MODELS FOR CONCURRENCY	Spring	2	*4	12-207	YOSHIDA, NOBUKO
	03823	MICROPROCESSOR ARCHITECTURE	Fall	2	Thu/3	12-104	YAMASAKI, NOBUYUKI
	12513	ADVANCED COURSE ON APPLICATION OF EXPERIMENTAL DESIGN	Fall	2	Fri/5	12-101	YAMADA, SHU
	08768	APPLIED STATISTICAL ANALYSIS	Fall	2	Mon/2	12-209	SUZUKI, HIDEO
	02133	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 MATUURA, SHUN KURIHARA, SATOSHI
	02129	OPERATIONS MANAGEMENT	Spring	2	Mon/2	14-203	MATSUKAWA, HIROAKI
	09310	MODELING AND ANALYSIS OF STOCHASTIC SYSTEMS	Fall	2	Fri/4	14-204	MASUDA, YASUSHI
	01869	ADVANCED FINANCIAL ENGINEERING 1	Spring	2	Tue/3	12-202C	IMAI, JUNICHI
Japanese	05850	JAPANESE 1A	Fall	1			
	03068	JAPANESE 1B	Fall	1			
	03106	JAPANESE 1C	Spring	1			
	03326	JAPANESE 1D	Spring	1			
	03345	JAPANESE 2A	Fall	1			
	05864	JAPANESE 2B	Spring	1			Please see the Japanese Class Schedule for the latest information
	05917	JAPANESE 3A	Fall	1			
	03474	JAPANESE 3B	Spring	1			
	05921	JAPANESE 4A	Fall	1			
	03417	JAPANESE 4B	Spring	1			
	00987	JAPANESE ELEMENTARY CONVERSATION	Fall	1			
	00638	JAPANESE ELEMENTARY CONVERSATION 2	Fall	1			

*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 Q1courses: April to May

Spring Q2 courses: first class day of the courses are as follows: Monday June 4, Tuesday June 5, Wednesday June 6, Thursday June 7, Friday June 8, Saturday June 2

Fall Q1 courses: September to mid-November

Fall Q2: first class day of the courses are as follows: Monday November 19, Tuesday Nov 27, Wednesday Nov 21, Thursday Nov 15, Friday Nov 16, Saturday Nov 17

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

*2 "COMPRESSIBLE FLUID DYNAMICS": Lecture days are as follows: April 9, 11, 16, 18, 23, 25 May 7, 9, 14, 16, 21, 23, 28 and 30

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

*4 "MODELS FOR CONCURRENCY": This is an intensive course. Lecture days are as follows: August 1 and 2 period 1 - 5, August 3 period 1 - 4

*5 "SCIENCE,TECHNOLOGY AND CULTURE" This course is the same course which belongs to "General Course". Short-term international students are not allowed to register "General Courses", but this course is an exception as it is also offered by International Center.