

2021 Course List for Short Term International Students (April 2021 - March 2022)

| Program | Code | Subject | Sem. | Cr. | Time | Room | Class Type | Professor |
|--|--------------|---|-------------|-----|-------------|---------|------------|--|
| General Courses *2 | 09635 | SCIENCE, TECHNOLOGY AND CULTURE | Fall | 2 | Mon/5 | Online | ③ | IMOTO, YUKI |
| | 01400 | CROSS-CULTURAL UNDERSTANDING 1-Das heutige Deutschland, das heutige Japan ドイツの今, 日本の今 | Spring | 2 | Fri/5 | 12/202D | ① | YOKOYAMA, YOSHIHIRO |
| | 01869 | CROSS-CULTURAL UNDERSTANDING 1-Discussion in French | Spring | 2 | Tue/4 | 14/204 | ① | ARAKANE, NAOTO |
| | 02760 | CROSS-CULTURAL UNDERSTANDING 2-Das heutige Deutschland, das heutige Japan ドイツの今, 日本の今 | Fall | 2 | Fri/5 | 12/202D | ① | YOKOYAMA, YOSHIHIRO |
| | 01873 | CROSS-CULTURAL UNDERSTANDING 2-Discussion in French | Fall | 2 | Tue/4 | 14/211 | ① | ARAKANE, NAOTO |
| Fundamental Science and Technology | 12767 | ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS | Spring Q2*1 | 2 | Thu/2 Mon/5 | Online | ③ | KAIJU, HIDEO KAMIHARA, YOICHI |
| | | ANALYTICAL METHODS IN APPLIED PHYSICS AND INFORMATICS | | | | | | Not offered in 2021 |
| | | CHEMISTRY AND DAILY LIFE | | | | | | Not offered in 2021 |
| | | INFORMATION OPTICS AND OPTICAL MEASUREMENTS | | | | | | Not offered in 2021 |
| | 02186 | INTELLIGENT MACHINE SYSTEM | Fall Q1*1 | 2 | Mon/1,2 | 12/101 | ② | MURAKAMI, TOSHIYUKI |
| | 00179 | MATHEMATICAL ENGINEERING FOR QUANTUM MECHANICS | Spring | 2 | Thu/4 | Online | ③ | YAMAMOTO, NAOKI |
| | | NATURAL PRODUCTS CHEMISTRY | | | | | | Not offered in 2021 |
| | 09640 | NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM | Spring | 2 | Tue/1 | online | ③ | ASAKURA, KOICHI |
| | | OPTICAL FUNCTIONAL MATERIALS | | | | | | Not offered in 2021 |
| | | PHYSICS AND MODELING OF SEMICONDUCTOR DEVICES | | | | | | Not offered in 2021 |
| | | PRACTICAL PRESENTATION IN CHEMISTRY 1 | | | | | | Not offered in 2021 |
| | | PRACTICAL PRESENTATION IN CHEMISTRY 2 | | | | | | Not offered in 2021 |
| | | QUANTUM ELECTRONICS | | | | | | Not offered in 2021 |
| | | SEMINAR ON MODERN ORGANIC CHEMISTRY 1 | | | | | | Not offered in 2021 |
| | | SEMINAR ON MODERN ORGANIC CHEMISTRY 2 | | | | | | Not offered in 2021 |
| | | SUPERCONDUCTIVITY AND SOLID STATE ENGINEERING | | | | | | Not offered in 2021 |
| | | SYSTEM BIOMECHANICS | | | | | | Not offered in 2021 |
| | 08074 | TOPICS IN APPLIED PHYSICS A | Spring | 2 | Fri/4 | Online | ③ | ITO, KOHEI KAMINISHI, ERIKO |
| | | TOPICS IN CARBOHYDRATE CHEMISTRY | | | | | | Not offered in 2021 |
| | | TOPICS IN ORGANOCATALYSIS | | | | | | Not offered in 2021 |
| Integrated Design Engineering | 11593 | ADVANCED CONTROL SYSTEMS DESIGN | Spring | 2 | Mon/2 | Online | ③ | OHMORI, HIROMITSU NAMERIKAWA, TORU |
| | 12771 | ADVANCED COURSE ON SPIN AND NANO-SCALED SOLID STATE PHYSICS | Spring Q2*1 | 2 | Thu/2 Mon/5 | Online | ③ | KAIJU, HIDEO KAMIHARA, YOICHI |
| | 07939 | ADVANCED DESIGN AND PRODUCTION SYSTEM | Spring | 2 | Mon/3 | Online | ③ | OYA, TETSUO |
| | 00217 | ADVANCED SIGNAL PROCESSING | Spring | 2 | Wed/1 | online | ③ | YUKAWA, MASAHIRO |
| | 00221 | ADVANCED SYSTEM ELECTRONICS | Fall | 2 | Tue/2 | online | ③ | KUBO, RYOGO |
| | 01290 | BIOMIMETIC MICRO/NANO ENGINEERING | Spring | 2 | Mon/3 | online | ③ | TAKAHASHI, HIDETOSHI |
| | 11665 | CHEMICAL SENSORS / BIOSENSORS AND SENSING MATERIALS | Spring | 2 | Tue/2 | Online | ③ | CITTERIO, DANIEL |
| | 08347 | COMPUTER ARCHITECTURE | Spring | 2 | Thu/1 | Online | ③ | AMANO, HIDEHARU |
| | 08662 | COMPUTER VISION | Spring | 2 | Mon/5 | online | ③ | SAITO, HIDEO |
| | 07063 | DIGITAL WIRELESS COMMUNICATIONS | Spring | 2 | Mon/2 | online | ③ | SANADA, YUKITOSHI |
| | | FUNCTIONAL THIN FILM ENGINEERING | | | | | | Not offered in 2021 |
| | | INFORMATION OPTICS AND OPTICAL MEASUREMENTS | | | | | | Not offered in 2021 |
| | 07943 | INTELLIGENT MACHINE SYSTEM | Fall Q1*1 | 2 | Mon/1,2 | 12/101 | ② | MURAKAMI, TOSHIYUKI |
| | 08863 | INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS | Spring | 2 | Tue/2 | 12/103 | ② | ISAKARI, HIROSHI |
| | 11627 | LASER PROCESSING | Fall | 2 | Mon/3 | 11/16 | ② | TERAKAWA, MITSUHIRO |
| | 06880 | MATHEMATICAL AND PHYSICAL METHODS IN FLUID DYNAMICS | Spring | 2 | Tue/1 | 14/211 | ② | SAWADA, TATSUO |
| | 01983 | MECHANICAL INTERFACE DESIGN | Fall | 2 | Thu/3 | online | ③ | MORITA, TOSHIO |
| | 02129 | MEMS: DESIGN AND FABRICATION | Spring | 2 | Thu/2 | online | ③ | MIKI, NORIHISA TAKAHASHI, HIDETOSHI |
| | 08131 | NANO-ELECTRONICS | Fall | 2 | Tue/4 | Online | ③ | MATSUHIRA, NAOKI |
| | 09654 | NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM | Spring | 2 | Tue/1 | online | ③ | ASAKURA, KOICHI |
| | 10142 | OPTICAL CONTROL OF QUANTUM SYSTEMS | Spring | 2 | Wed/2 | online | ③ | SAIKI, TOSHIHARU, FONS, PAUL J. |
| | | OPTICAL FUNCTIONAL MATERIALS | | | | | | Not offered in 2021 |
| | 09453 | OPTICAL NETWORK SYSTEM | Fall | 2 | Fri /2 | online | ③ | TSUDA, HIROYUKI |
| | 07651 | OPTO-ELECTRONICS | Spring | 2 | Thu/1 | online | ③ | KANNARI, FUMIHIKO |
| | 11631 | ORGANIC ELECTRONIC MATERIALS AND DEVICES | Spring | 2 | Fri/1 | online | ③ | NODA, KEI |
| | 07958 | PHOTONIC NANOSTRUCTURE | Spring | 2 | Tue/5 | 12/207 | ② | TANABE, TAKASUMI |
| | | PHYSICS AND MODELING OF SEMICONDUCTOR DEVICES | | | | | | Not offered in 2021 |
| | 00202 | SPACE EXPLORATION ENGINEERING | Fall | 2 | Fri/2 | 14/201 | ② | ISHIGAMI, GENYA |
| | | SPECIAL TOPICS ON ENGINEERING FOR SYNTHESIS AND DESIGN B | | | | | | Not offered in 2021 |
| | | SYSTEM BIOMECHANICS | | | | | | Not offered in 2021 |
| | 02114 | ULTRAPRECISION MACHINING AND METROLOGY | Fall | 2 | Mon/2 | online | ③ | YAN, JIHWANG |
| Science for Open and Environmental Systems | 02956 | AD HOC AND SENSOR NETWORK | Fall | 2 | Mon/3 | 14/201 | ② | OTSUKI, TOMOAKI |
| | 02019 | ADVANCED ACTUATOR ENGINEERING | Fall | 2 | Tue/2 | online | ③ | TAKEMURA, KENJIRO |
| | 11373 | ADVANCED COURSE APPLICATION OF EXPERIMENTAL DESIGN | Fall | 2 | Fri/5 | 12/209 | ② | YAMADA, SHU |
| | | | | | | | | OGIHARA, NAOMICHI TAKEMURA, KENJIRO |
| | 00752 | ADVANCED COURSE IN APPLIED AND COMPUTATIONAL MECHANICS 2 | Fall | 2 | Mon/1 | 14/202 | ② | MATSUO, AKIKO FUKAGATA, KOJI ANDO, KEITA PENG, LINYU MURAMATSU, MAYU |

| Program | Code | Subject | Sem. | Cr. | Time | Room | Class Type | Professor |
|--|-------|--|-------------|-----|--|---------|------------|---|
| Science for Open and Environmental Systems | 09013 | ADVANCED COURSE IN DATABASE SYSTEMS | Spring | 2 | Fri/3 | online | ③ | TOYAMA, MOTOMICHI |
| | 03345 | ADVANCED COURSE OF INTERNET BACKBONE ARCHITECTURE | Spring | 2 | Mon/2 | 14/204 | ② | YAMANAKA, NAOAKI |
| | 09669 | ADVANCED COURSE OF MOLECULAR DYNAMICS | Fall | 2 | Thu/2 | online | ③ | YASUOKA, KENJI |
| | 01778 | ADVANCED COURSE ON COMPUTER VISUALIZATION | Spring | 2 | Thu/4 | online | ③ | FUJISHIRO, ISSEI |
| | 08256 | ADVANCED COURSE ON DIGITAL COMMUNICATION THEORY | Spring | 2 | Tue/2 | online | ③ | SASASE, IWAO |
| | 08624 | ADVANCED COURSE ON NATURAL LANGUAGE PROCESSING | Fall | 2 | Wed/2 | online | ③ | OHARA, KYOKO |
| | 03350 | ADVANCED COURSE ON NETWORK ENGINEERING | Fall | 2 | Mon/4 | 12/106 | ② | TERAOKA, FUMIO |
| | 00480 | ADVANCED COURSE ON NETWORK SERVICES | Fall | 2 | Fri/2 | 12/105 | ② | KANEKO, KUNITAKE |
| | | ADVANCED COURSE ON SUSTAINABLE ARCHITECTURE AND CITIES | | | | | | Not offered in 2021 |
| | | ADVANCED COURSE ON TOTAL QUALITY MANAGEMENT | | | | | | Not offered in 2021 |
| | 01854 | ADVANCED FINANCIAL ENGINEERING 1 | Spring | 2 | Tue/3 | 12/202C | ① | IMAI, JUNICHI |
| | 00331 | ANALYSIS OF ARCHITECTURAL FORM | Fall | 2 | Fri/5 | Online | ③ | ALMAZAN CABALLERO, JORGE |
| | 08294 | APPLIED STATISTICAL ANALYSIS | Fall | 2 | Mon/2 | 12/209 | ② | SUZUKI, HIDEO |
| | | ARCHITECTURAL AND BUILDING DESIGN STUDIO B | | | | | | Not offered in 2021 |
| | | BIOMECHANICS AND CONTROL OF HUMAN MOVEMENTS | | | | | | Not offered in 2021 |
| | 09745 | COMPRESSIBLE FLUID DYNAMICS | Spring Q1+1 | 2 | Mon2/ Wed1 | online | ③ | MATSUO, AKIKO |
| | 08332 | COMPUTER ARCHITECTURE | Spring | 2 | Thu/1 | Online | ③ | AMANO, HIDEHARU |
| | 07188 | COMPUTER VISION | Spring | 2 | Mon/5 | online | ③ | SAITO, HIDEO |
| | 03694 | DESIGN OF PHYSICALLY GROUNDED COMMUNICATION SYSTEM | Spring | 2 | Fri/2 | Online | ③ | IMAI, MICHITA |
| | 08969 | DISTRIBUTED SYSTEMS | Fall | 2 | Fri/5 | online | ③ | MATSUTANI, HIROKI |
| | | DYNAMICS IN ARCHITECTURAL ENGINEERING | | | | | | Not offered in 2021 |
| | 09449 | FINITE ELEMENT MODELING AND SIMULATION | Fall | 2 | Tue/1 | Online | ③ | MURAMATSU, MAYU TAKANO, NAOKI |
| | 08586 | FORMAL PROGRAMMING LANGUAGE THEORY | Spring | 2 | Mon/4 | 14/B101 | ② | TAKIMOTO, MUNEHICO |
| | 00456 | FUNDAMENTALS OF MULTIPHASE FLOW | Spring | 2 | Mon/3 | online | ③ | ANDO, KEITA |
| | 02482 | FUNDAMENTALS OF TURBULENCE AND ITS THEORY | Spring | 2 | Fri/2 | online | ③ | FUKAGATA, KOJI |
| | 08878 | INTRODUCTION TO COMPUTATIONAL SOLID MECHANICS | Spring | 2 | Tue/2 | 12/103 | ② | ISAKARI, HIROSHI |
| | 02277 | INTRODUCTION TO TURBULENCE MODEL AND ITS APPLICATION | Fall | 2 | Tue/5 | 12/209 | ② | OBII, SHINNOSUKE |
| | 12590 | MECHANICS AND NUMERICAL SIMULATION OF ADVANCED MATERIALS | Spring | 2 | Tue/2 | online | ③ | MURAMATSU, MAYU |
| | 02588 | MICROPROCESSOR ARCHITECTURE | Fall | 2 | Thu/3 | 12/103 | ① | YAMASAKI, NOBUYUKI |
| | 00494 | MIXED REALITY | Spring | 2 | Mon/3 | online | ③ | SUGIMOTO, MAKI |
| | 08882 | MODELING AND ANALYSIS OF STOCHASTIC SYSTEMS | Fall | 2 | Fri/4 | Online | ③ | MASUDA, YASUSHI |
| | 11369 | MODELS FOR CONCURRENCY | Spring | 2 | *3 | online | ③ | YOSHIDA, NOBUKO |
| | 13141 | NON-LINEAR DYNAMICS | Fall | 2 | Thu/5 | 12/206 | ② | PENG, RINYU |
| | 00236 | NON-LINEAR DYNAMICS IN CHEMICAL SYSTEM | Spring | 2 | Tue/1 | online | ③ | ASAKURA, KOICHI |
| | 01797 | OPEN SYSTEMS MANAGEMENT: LECTURE AND EXERCISES | Fall | 2 | Thu/4,5 *4 | 14/211 | ② | IMAI, JUNICHI SUZUKI, HIDEO HIBIKI, NORIO MASUDA, YASUSHI MATSUKAWA, HIROAKI YAMAGUCHI, TAKAHIRA YAMADA, SHU KURIHARA, SATOSHI MATSUURA, SHUN |
| | 01782 | OPERATIONS MANAGEMENT | Fall | 2 | Mon/2 | 14/203 | ② | MATSUKAWA, HIROAKI |
| | 07795 | PUBLIC SPACE AND COMMUNICATION | Fall | 2 | Mon/5 | 12/106 | ② | INOUE, KYOKO |
| | 08328 | REAL WORLD INTERACTIVE SYSTEM | Fall | 2 | Tue/2 | 14/204 | ② | SUGIURA, YUTA |
| | 11775 | SOFTWARE ENGINEERING: DEVELOPMENT AND TESTING | Spring | 2 | Tue/5 | 12/101 | ② | TAKADA, SHINGO |
| | | SYSTEMS PERFORMANCE EVALUATION | | | | | | Not offered in 2021 |
| | 08241 | THERMAL AND REACTIVE FLUID DYNAMICS | Spring | 2 | Fri/1 | online | ③ | UEDA, TOSHIHISA |
| | 08639 | TOPICS IN COMPUTER OPERATING SYSTEMS | Spring | 2 | Tue/3 | 12/210 | ② | KONO, KENJI |
| Japanese | 05568 | JAPANESE 1A | Fall | 1 | Please see the Japanese Class Schedule for the latest information. | | | |
| | 03034 | JAPANESE 1B | Fall | 1 | | | | |
| | 02755 | JAPANESE 1C | Spring | 1 | | | | |
| | 03235 | JAPANESE 1D | Spring | 1 | | | | |
| | 03240 | JAPANESE 2A | Fall | 1 | | | | |
| | 05572 | JAPANESE 2B | Spring | 1 | | | | |
| | 05630 | JAPANESE 3A | Fall | 1 | | | | |
| | 03379 | JAPANESE 3B | Spring | 1 | | | | |
| | 05644 | JAPANESE 4A | Fall | 1 | | | | |
| | 03311 | JAPANESE 4B | Spring | 1 | | | | |
| | 01012 | JAPANESE ELEMENTARY CONVERSATION | Fall | 1 | | | | |
| | 00695 | 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 | | | | |

*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: first class day of the courses are as follows: Monday May 24, Tuesday May 25, Wednesday May 26, Thursday May 27, Friday May 28, Saturday May 29

Fall Q3 courses: September to mid-November

Fall Q4: first class day of the courses are as follows: Monday November 15, Tuesday Nov 16, Wednesday Nov 17, Thursday Nov 25, Friday Nov 12, Saturday Nov 13

Please confirm page 6-9 of the "Course Guidebook and Syllabus" for Academic Year 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 "MODELS FOR CONCURRENCY": This is an intensive course. Lecture days are as follows: August 10 and 11 period 3 - 6, August 12 period 2 - 6

*4 "OPEN SYSTEMS MANAGEMENT: LECTURE AND EXERCISES": Lecture days are as follows: Oct. 7 (4th Period only), Oct. 14, 28, Nov. 11, 25, Dec. 9, Jan. 13

[Type of Classes]

① : Classes held in Yagami Campus onsite

② : Classes held online and face-to-face in Yagami Campus (Combination)

③ : Classes held online

For any type of classes, on-demand materials are provided for those attending abroad. Please attend the first class and check with the instructor for further information.