List of Graduate Courses Available to Undergraduate-level International Exchange Students <For 3Q, 4Q of the 2025-2026 Academic Year>

Eligibility for Acceptance

・Students must be final year undergraduates or at an equivalent level.

・Students must meet the specific criteria for each course defined by the instructor and indicated in the final column of the table.

・Students must be enrolled on an appropriate exchange program that allows access to these courses.

As of September 2025

NOTE: TAKING ANY GRADUATE-LEVEL COURSES (400-LEVEL OR HIGHER) THAT IS NOT ON THIS LIST IS NOT PERMITTED UNDER ANY CIRCUMSTANCES. EVEN IF THE COURSE INSTRUCTOR INDIVIDUALLY APPROVES YOUR ENROLLMENT, YOUR REGISTRATION FOR SUCH A COURSE WILL BE REJECTED.

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Mathematics	MTH.A407	Advanced topics in Algebra C1	Oya Hironori	3Q	Undergraduate-level knowledge of abstract algebra
	MTH.A408	Advanced topics in Algebra D1	Oya Hironori	4Q	Undergraduate-level knowledge of abstract algebra
	MTH.B407	Advanced topics in Geometry C1	Honda Nobuhiro	3Q	basic knowledge on smooth manifolds is assumed
	MTH.B408	Advanced topics in Geometry D1	Honda Nobuhiro	4Q	basic knowledge on smooth manifolds is assumed
	MTH.C407	Advanced topics in Analysis C1	Kagei Yoshiyuki	3Q	Undergraduate-level knowledge of real analysis, Fourier analysis, functional analysis and differential equations
	MTH.C408	Advanced topics in Analysis D1	Kagei Yoshiyuki	4Q	Undergraduate-level knowledge of real analysis, Fourier analysis, functional analysis and differential equations
Physics	PHY.C444	Quantum Transport	Fujisawa Toshimasa	4Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C445	Physics of Two-Dimensional Materials	Pu Jiang	4Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C450	Quantum Theory of Electrons in Solids	Ishizuka Hiroaki	3Q	Prerequisites: undergraduate-level quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C453	Biophysics II	Matsushita Michio, Fujiyoshi Satoru	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.C455	Physics of Soft Matter	Nishiguchi Daiki	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, thermodynamics and statistical mechanics.
	PHY.F432	Astrophysics	Matsuhara Hideo	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.Q434	Field Theory II	Imamura Yosuke	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
	PHY.S440	Statistical Mechanics III	Sasamoto Tomohiro	3Q	Students are required to have knowledge of the undergraduate level of physics, electricity and magnetism, analytical dynamics, quantum mechanics, thermodynamics and statistical mechanics.
Earth and Planetary Sciences	EPS.A427	Advanced Earth and Space Sciences J	Hernlund John William, Ida Shigeru	3Q	
	EPS.A430	Advanced Earth and Space Sciences M	Kebukawa Yoko	3Q	
Mechanical Engineering	MEC.C431	Mechanics of Composite Materials	Todoroki Akira, Sekiguchi Yu	4Q	
	MEC.C435	Solid State Ionics	Araki Wakako	4Q	
	MEC.D433	Self-excited vibration	Nakano Yutaka	3Q	Students must have knowledge about vibration analysis method for one degree of freedom system and multi degree of freedom system.
	MEC.E432	Properties of Solid Materials	Murakami Yoichi, Fushinobu Kazuyoshi	3Q	
	MEC.E433	Advanced Thermal-Fluids Measurement	Kikura Hiroshige, Saito Takushi	4Q	
	MEC.G433	Joining	Sato Chiaki, Yamazaki Takahisa	4Q	
	MEC.H433	Mechatronics Device and Control	Yamaura Hiroshi	4Q	
	MEC.H434	Advanced Course of Actuator Engineering	Yoshida Kazuhiro, Endo Gen, Nabae Hiroyuki	3Q	
	MEC.M434	Space Robotics	Nakanishi Hiroki	4Q	
	MEC.U434	Advanced Internal Combustion Engine Engineering and Future Power Train A	Kosaka Hidenori, Sasabe Takashi, Nagasawa Tsuyoshi	3~4Q	Intensive course with irregular schedule (11:00-14:00, 5 days x 3 weeks). Please make a contact with Prof. Kosaka before registration.

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Systems and Control Engineering	SCE.A404	Nonlinear Dynamics	Nakao Hiroya	3Q	
	SCE.A405	Inverse Problems and Data Assimilation	Amaya Kenji	3Q	
	SCE.C401	System Identification and Estimation	Yamakita Masaki	3Q	
	SCE.C452	Nonlinear and Adaptive Control	Hayakawa Tomohisa	3Q	
	SCE.C453	Network Control Systems	Ishizaki Takayuki	4Q	
	SCE.I404	Automobile Transportation System and Environmental Impact	Sato Susumu	4Q	
	SCE.I435	Visual and Knowledge Information Processing	Kawakami Rei	4Q	
	SCE.S402	Fluid Robotics	Tsukagoshi Hideyuki	3Q	
Electrical and Electronic Engineering	EEE.D421	Imaging Materials	Iino Hiroaki	3Q	
	EEE.D442	Special Seminar on Semiconductor Memory	Wakabayashi Hitoshi, Taguwa Tetsuya, Fujisawa Hiroki, Uchiyama Shiro, Tanaka Tomoharu, Nariyoshi Yasuhiro, Miyashita Toshihiko, Goda Akira, Matsuhashi Hideki	3Q	
	EEE.D444	Special Lecture II on Integrated Green-niX	Wakabayashi Hitoshi, Tsutsui Kazuo, Shirokura Takanori, Machida Shuntaro, Shikida Gen, Sato Kenoh, Lee Byoungho, Saito Tomoya, Shimizu Ken, Tsunekawa Koji, Takahashi Atsushi, Tada Munehiro, Koyama Masato, Fukazawa Hiromasa, Sasaki Shun, Nariyoshi Yasuhiro, Hisamoto Digh	3Q	
	EEE.P402	Control and analysis of power and motor drive systems	Fujita Hideaki	3Q	Under graduate-level knowledge on electric machinery
	EEE.P414	Power electronics control and analysis	Fujita Hideaki	4Q	Under graduate-level knowledge on power electronics
	EEE.P461	Pulsed Power Technology	Takeuchi Nozomi	3Q	Under graduate-level knowkedge on electrical circuits and electromagnetics
Information and Communications Engineering	ICT.I419	VLSI Layout Design	Takahashi Atsushi	4Q	Sufficient basic academic skills in integrated circuits and algorithm
	ICT.A418	Human-Centric Information Systems II	Nagai Takehiro, Yamaguchi Masahiro, Okumura Manabu, Kaneko Hirohiko, Suzuki Kenji, Slavakis Konstantinos, Motomura Masato, Obi Takashi, Shinozaki Takahiro, Nakatani Momoko, Fujiki Daichi, Funakoshi Kotaro, Watanabe Yoshihiro	4Q	Sufficient basic academic skills in information and communications
	ICT.I415	VLSI System Design	Isshiki Tsuyoshi	3Q	Acquisition of basics of logic circuits, electrical circuits and integrated circuits
Materials Science and Engineering	MAT.C414	Introduction to Solid State Science	Katase Takayoshi, Majima Yutaka, Kamiya Toshio, Kawaji Hitoshi, Sasagawa Takao, Azuma Masaki, Hiramatsu Hidenori, Nakatsuji Kan, Gohda Yoshihiro, Izawa Seiichiro	4Q	
	MAT.C416	Advanced Course of Nano-Particles Science	Miyauchi Masahiro	3Q	Fundamental knowledge on inorganic ceramics materials is needed.
	MAT.M402	Characterization of Nanomaterials 【a】	Sone Masato, Sannomiya Takumi	4Q	
	MAT.M403	Environmental Degradation of Materials	Tada Eiji	4Q	
	MAT.M425	Recovery, Recrystallization and Texture of Metals	Tahara Masaki, Inamura Tomonari	3Q	
	MAT.M432	Aerospace materials and modelling techniques	Mikael Perrut	3Q	
	MAT.P403	Soft Materials Physics	Vacha Martin	3Q	
	MAT.P404	Soft Materials Functional Physics	Hayamizu Yuhei	4Q	Fundamental knowledge on chemical physics and quantum physics are needed.
	MAT.P414	Soft Materials Function	Michinobu Tsuyoshi	3Q	
	MAT.P417	Medical Polymers	Kojima Chie	4Q	
	MAT.P418	Physical Chemistry of Soft Nanomaterials	Kaneko Satoshi	3Q	
	MAT.P426	Thermal Properties of Materials	Morikawa Junko	4Q	

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Chemical Science and Engineering	CAP.A423	Advanced Organic Synthesis I	Ito Shigekazu	3Q	Knowledge of bachelor level organic chemistry is desirable.
	CAP.A424	Advanced Organic Synthesis II	Ito Shigekazu	4Q	Knowledge of bachelor level organic chemistry is desirable.
	CAP.A425	Advanced Biofunctional Chemistry I	Tanaka Katsunori	3Q	Knowledge of synthetic and bioorganic chemistry is required.
	CAP.A426	Advanced Biofunctional Chemistry II	Tanaka Katsunori	4Q	Knowledge of synthetic and bioorganic chemistry is required.
	CAP.A427	Advanced Molecular Catalyst Chemistry I	Nakajima Yumiko	3Q	
	CAP.A428	Advanced Molecular Catalyst Chemistry II	Nakajima Yumiko	4Q	
	CAP.A467	Advanced electronic structures in solids I	Yoshimatsu Kohei	3Q	Fundamental knowledge of quantum chemistry is required.
	CAP.A468	Advanced electronic structures in solids II	Yoshimatsu Kohei	4Q	Fundamental knowledge of quantum chemistry is required.
	CAP.C432	Physico-Chemical Property Analysis in Chemical Engineering	Taniguchi Izumi	3Q	Fundamental knowledge of chemical engineering and transport phenomena is required.
	CAP.C433	Phase Equilibrium Analysis in Chemical Engineering	Shimoyama Yusuke	3Q	Fundamental knowledge of chemical engineering and separation operation is required.
	CAP.C441	Transport Phenomena and Operation	Yoshikawa Shiro	4Q	Fundamental knowledge of chemical engineering and transport phenomena is required.
	CAP.C443	Advanced Reaction-Separation Process	Tago Teruoki, Shimoyama Yusuke	4Q	Fundamental knowledge of chemical reaction engineering and separation operation and process is required.
	CAP.I416	Catalysis for the Environmental Issues	Yokoi Toshiyuki, Manaka Yuichi	3Q	
	CAP.I417	Introduction to Chemical Engineering (Unit Operation)	Tanaka Masayoshi	3Q	
	CAP.I423	Advanced Organic Materials Chemistry	Fukushima Takanori, Shoji Yoshiaki	3Q	
	CAP.I435	Advanced Geochemistry	Toyoda Sakae, Yamada Keita	3Q	
Mathematical and Computing Science	MCS.M422	Statistical Mechanics for Information Processing	Takabe Satoshi	4Q	
	MCS.M427	Topological Data Analysis	Arai Zin, Nishibata Shinya, Umehara Masaaki, Suzuki Sakie, Tsuchioka Shunsuke	3Q	
	MCS.T417	Topics in Algebra	Tsuchioka Shunsuke	4Q	Subject to a prior interview (to confirm prerequisite knowledge).
Computer Science	CSC.T431	Cyber-Physical Systems	Watanabe Takuo	3Q	Students must have successfully completed the related courses or have equivalent knowledge.
	CSC.T440	Computer Organization and Architecture	Kise Kenji	4Q	
Life Science and Technology	LST.A406	Molecular Developmental Biology and Evolution	Kume Shoen, Kawakami Atsushi, Tanaka Mikiko, Kajikawa Masaki, Nikaido Masato	3Q	Undergraduate-level basic knowledge of biochemistry, molecular biology and cell biology.
	LST.A407	Science of Metabolism	Hirasawa Takashi, Shiraki Nobuaki, Kato Akira, Masuda Shinji	3Q	Undergraduate-level basic knowledge of biochemistry, molecular biology and cell biology.
	LST.A408	Computational Biology	Itoh Takehiko, Yamada Takuji, Kitao Akio, Uriu Koichiro, Sato Kengo	3Q	Undergraduate-level basic knowledge of physical chemistry, biochemistry, molecular biology and cell biology.
	LST.A409	Physical Biology of the Cell	Hayashi Nobuhiro, Murakami Satoshi, Taguchi Hideki, Ishii Yoshitaka	4Q	Acquisition of basics of physical chemistry.
	LST.A410	Advanced Neuroscience	Suzuki Takashi, Ichinose Hiroshi, Miyashita Eizo, Hirota Junji, Kuroda Kumi, Yoshida Takako, Saneyoshi Takeo	4Q	Basic Knowledge of Neuroscience.
	LST.A421	Functional Life Science	Nakamura Nobuhiro, Orihara Kanami, Koshikawa Naohiko, Ogura Shunichiro, Kuroda Kumi	4Q	Acquisition of basics of biochemistry, molecular biology and genome biology.
	LST.B404	International Career Development Basics	Suzuki Takashi, Kobatake Eiry, Kume Shoen, Aizawa Yasunori, Mcglynn Shawn, Undecided	3～4Q	Basic Knowledge of Biochemistry and/or Molecular biology.

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Architecture and Building Engineering	ARC.D422	Architectural Design Studio II	Okuyama Shin-Ichi, Tsukamoto Yoshiharu, Yamazaki Taisuke, Murata Ryo, Shiozaki Taishin	3～4Q	
	ARC.D423	Architectural Design Studio III	Okuyama Shin-Ichi, Tsukamoto Yoshiharu, Yamazaki Taisuke, Murata Ryo, Shiozaki Taishin, Naganuma Toru	4Q	
	ARC.D424	Theory of Architectural Space and Planning	Tsukamoto Yoshiharu, Nousaku Fuminori, Hirao Siena, Shui Yanfei	3～4Q	
	ARC.D446	Theory of Architectural Design II	Okuyama Shin-Ichi, Shiozaki Taishin	3～4Q	
	ARC.D447	Architectural Theory for Urban Space	Nousaku Fuminori, Tsukamoto Yoshiharu, Hirao Siena	3～4Q	
	ARC.D462	Architectural Behaviorology	Tsukamoto Yoshiharu, Okuyama Shin-Ichi, Hirao Siena	3～4Q	
	ARC.E425	Evaluation and Design of Thermal Environment	Asawa Takashi	4Q	
	ARC.P442	Theories in Urban Analysis and Planning II	Osaragi Toshihiro, Kishimoto Maki	4Q	
	ARC.S403	Advanced Course on Design of Prestressed Concrete Structure	Kono Susumu	3Q	
	ARC.S407	Advanced Steel Structure Design	Mitsui Kazuya	4Q	
	ARC.S408	Advanced course on vibration of building and ground vibration	Nakano Takaharu	3Q	
Civil Engineering	CVE.A434	Reliability, Risk and Resilience Assessment of Infrastructures	Matsuzaki Hiroshi	3～4Q	Basic knowledge of structural engineering is required.
	CVE.C402	Stability Problems in Geotechnical Engineering	Takahashi Akihiro	3Q	Basic knowledge of soil mechanics is required.
	CVE.C431	Physical Modeling in Geotechnics	Takahashi Akihiro, Sawada Mai	3～4Q	Basic knowledge of civil engineering and geotechnical engineering is required.
	CVE.D405	Transportation Science and Simulation	Seo Toru	4Q	
	CVE.F432	Principles of Construction Management	Hasegawa Atsushi, Hiraishi Kazuaki, Maki Kotaro, Aung Kyaw Min, Maeda Yasuyoshi, Takesue Naoki, Sanada Akiko	3～4Q	
	CVE.G403	Water Chemistry for Environmental Engineering	Fujii Manabu	3Q	
	CVE.M401	Civil Engineering Analysis	Maruyama Taizo	3Q	Programming skills are required.
	CVE.M431	Probabilistic Concepts in Engineering Design	Sasaki Eiichi	4Q	
Global Engineering for Development, Environment and Society	GEG.S402	The economics and systems analysis of environment, resources and technology	Tokimatsu Koji	4Q	
	GEG.S413	Science Media and Communication	Nohara Kayoko, Andrews Eden Mariquit, Salani Giorgio	3Q	
	GEG.S414	Methodology of Transdisciplinary Research	Nohara Kayoko, Salani Giorgio	4Q	
Social and Human Sciences	SHS.L419	Special Lecture on Advanced Topics in Social and Human Sciences FA	Bektas Yakup	3Q	
	SHS.L420	Special Lecture on Advanced Topics in Social and Human Sciences FB	De Ferranti Hugh Barry Ziani	4Q	
	SHS.S444	Graduate Lecture in Science, Technology and Society F1B	Bektas Yakup	4Q	

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Energy Science and Informatics Energy Science and Engineering <Interdisciplinary graduate major>	ESI.A405	Interdisciplinary Energy Materials Science 1 【大岡山】	Miyauchi Masahiro, Maeda Kazuhiko, Yamaguchi Akira, Okamoto Toshihiro, Muraishi Shinji	3Q	Conducted in Ookayama
	ESI.A405	Interdisciplinary Energy Materials Science 1 【すずかけ】	Miyauchi Masahiro, Maeda Kazuhiko, Yamaguchi Akira, Okamoto Toshihiro, Muraishi Shinji	3Q	Conducted in Suzukakedai
	ESI.A406	Interdisciplinary Energy Materials Science 2 【大岡山】	Matsumoto Hidetoshi, Ihara Manabu, Kimura Yoshisato, Nozaki Tomohiro, Matsuda Akifumi	4Q	Conducted in Ookayama
	ESI.A406	Interdisciplinary Energy Materials Science 2 【すずかけ】	Matsumoto Hidetoshi, Ihara Manabu, Kimura Yoshisato, Inagi Shinsuke, Matsuda Akifumi	4Q	Conducted in Suzukakedai
	ESI.A407	Energy system theory 【大岡山】	Kawabe Kenichi, Suekane Tetsuya, Yamada Akira, Obara Toru, Tokimatsu Koji, Otomo Junichiro	3Q	Conducted in Ookayama
	ESI.A407	Energy system theory 【すずかけ】	Kawabe Kenichi, Suekane Tetsuya, Yamada Akira, Obara Toru, Tokimatsu Koji, Otomo Junichiro	3Q	Conducted in Suzukakedai
	ESI.A408	Economy of energy system	Tokimatsu Koji, Wakeyama Tatsuya, Otomo Junichiro, Nishikizawa Shigeo, Goto Mika, Masui Toshihiko, Eto Ryo	4Q	
	ESI.H411	Topics in Applied Electrochemistry	Arai Hajime, Hirayama Masaaki, Kobayashi Takeshi	4Q	
	ESI.H415	Advanced Organic Electrochemistry	Inagi Shinsuke	3Q	
	ESI.H450	Environmentally-Friendly Polymer Chemistry	Satoh Kotaro	4Q	Students are expected to have fundamental knowledge of polymer chemistry and polymer synthesis.
	ESI.I421	Advanced Optical properties of solids	Okimoto Yoichi	4Q	The students are expected to have basic knowledge of electromagnetism.
	ESI.J401	Advanced Metal Physics	Shi Ji	3Q	
	ESI.J402	Physical Chemistry for High Temperature Processes -Thermodynamics-	Hayashi Miyuki	3Q	Students are required to have basic knowledge about the first, second and third law of thermodynamics.
	ESI.J408	Energy Conversion Ceramics Materials	John David Baniecki, Miyauchi Masahiro	4Q	The students are required to have basic knowledge of solid-state chemistry and physics.
	ESI.K450	Advanced course of combustion physics	Kosaka Hidenori, Tanahashi Mamoru, Suzuki Sayaka	3Q	
	ESI.L401	Mechanical-to-electrical energy conversion	Fujita Hideaki	3Q	Knowledge of mechanics and electromagnetics equivalent to high school-level physics
	ESI.T436	Energy Scenario modeling	Wakeyama Tatsuya	3Q	
Engineering Sciences and Design Energy Science and Engineering <Interdisciplinary graduate major>	ESD.F403	UX / Interaction Design	Nishida Yoshifumi, Oono Mikiko	3Q	
	ESD.D404	Design of Medical and Welfare Device	Hijikata Wataru	3Q	
Science and Technology for Health Care and Medicine <Interdisciplinary graduate major>	STM.A401	Introduction to Biomedical Instrumentation	Yagi Tohru	3Q	
	STM.C405	Outline of Science and Technology for Health Care and Medicine II	Yagi Tohru, Nakamura Kentaro, Kitaguchi Tetsuya, Miura Yutaka, Ogura Shunichiro, Chang Tso-Fu, Tokuda Takashi, Tamamura Hirokazu	3Q	
Nuclear Engineering Energy Science and Engineering <Interdisciplinary graduate major>	NCL.B401	Radiation Biology and Medicine	Matsumoto Yoshihisa	3Q	
	NCL.C401	Nuclear Fuel Cycle Engineering	Tsukahara Takehiko, Takao Koichiro, Harada Takuya, Takasu Hiroki	3Q	Students must have enough knowledge of nuclear chemistry and chemical engineering.
	NCL.C402	Radioactive Waste Management and Disposal Engineering	Tsukahara Takehiko, Takao Koichiro, Asano Hidekazu, Nishihara Kenji	3Q	Students must have enough knowledge of nuclear chemistry and chemical engineering.
	NCL.C403	Nuclear Chemical Engineering	Nakase Masahiko	4Q	Students must have enough knowledge of nuclear chemistry and chemical engineering.
	NCL.D402	Experiments for Material Engineering in Nuclear Non-proliferation and Decon	Yoshida Katsumi, Yasui Shintaro, Takasu Hiroki	4Q	Student must have enough knowledge of nuclear materials.You need registration as a radiation worker (ZC Category A)
	NCL.D406	Experiments for Chemistry in Nuclear Non-proliferation, Fuel Debris and Back	Tsukahara Takehiko, Takao Koichiro, Nakase Masahiko	4Q	Students must have enough knowledge of nuclear chemistry and chemical engineering. You need registration as a radiation worker (ZC Category A)
	NCL.D407	Experiment on Thermalhydraulic and Severe Accident Engineering	Kikura Hiroshige, Endo Gen, Kondo Masatoshi, Sagara Hiroshi, Takahashi Hideharu	4Q	Student must have enough knowledge of nuclear reactor thermal-hydraulics and nuclear safety.
	NCL.N411	Innovative Nuclear Systems Design Project	Obara Toru	3～4Q	Student must have enough knowledge of nuclear physics, nuclear reactor theory, nuclear materials, nuclear reactor thermal-hydraulics, nuclear safety and nuclear energy systems.
Artificial Intelligence Energy Science and Engineering <Interdisciplinary graduate major>	ART.T462	Complex Networks	Murata Tsuyoshi	4Q	
	ART.T463	Computer Graphics	Saito Suguru	4Q	
	ART.T476	Advanced Topics in Computer Vision	Kanezaki Asako, Sato Ikuro, Ikehata Satoshi, Sekikawa Yusuke	3Q	

Graduate Major	No.	Course Name	Lecturer	Quarter	Eligibility criteria or prerequisite knowledge, etc.
Urban Design and Built Environment Energy Science and Engineering <Interdisciplinary graduate major>	UDE.D417	Introduction to Methodology of Social Studies	Kotani Hitomu	3Q	
	UDE.E410	Introduction to Machine Learning for Urban Design and Built Environment	Miyamoto Takashi	3Q	
	UDE.P404	City/Transport Planning and the Environment	Muromachi Yasunori	3Q	
	UDE.S410	Fire Risk Assessment of the Built Environment	Himoto Keisuke	3Q	
	UDE.S436	Earthquake Ground Motion	Tsuno Seiji	3Q	Knowledge of undergraduate-level structural mechanics
Earth-Life Science Energy Science and Engineering <Interdisciplinary graduate major>	ELS.C403	Earth-Life Science C	Genda Hidenori, Hernlund John William, Sekine Yasuhito, Kodama Takanori, Kadoya Shintaro	3Q	
	ELS.C432	Science Communication and Society M	Hernlund John William, Heenatigala Thilina Nishadh	4Q	
Global awareness and other breadth courses	LAW.X418	Study on Japanese Companies and Industries I	Kobayashi Satoru, Morikawa Junko, Nakamura Takashi, Wakabayashi Hitoshi, Sasaki Hiroshi, Sawada Mai, Sasaki Yoshizumi, Zhang Shengde, Suzuki Masaki, Nakano Masaaki	3Q	
	LAW.X443	CAMPUS Asia Plus Fall Semester & Fall-Winter Program Research Exchange	Academic Supervisor	3～4Q	Limited to students who have visited Science Tokyo through the CA+ program.
Entrepreneurship courses	ENT.G401	Advanced Global Problem Based Co-Learning	Murakami Rie, Ota Eri, Ananda Kumara	4Q	
	ENT.G452	Advanced Course of Innovative Product Design with Traditional Technologies	Matsuzaki Yuri, Murakami Rie, Ota Eri, Taoka Yuki, Watanabe Takashi, Kobayashi Equo	3～4Q	
	ENT.G453	Technology and Product in Context	Nohara Kayoko, Salani Giorgio	4Q	
	ENT.G454	Our Sustainable Energy Future: Role of Business and Technology	Murakami Rie, Ota Eri, Ling Frank Hiroshi	3Q	
	ENT.G456	Free your Creativity through Art (for graduate)	Ota Eri, Murakami Rie, Meyer Zuse	4Q	
	ENT.L456	Effective Teamwork in Global Companies	Murakami Rie, Ota Eri, Nguyen Dung Minh	4Q	
	ENT.V401	Master's Introduction to Entrepreneurship 1	Seki Nobuhiko	3Q	
	ENT.V402	Master's Introduction to Entrepreneurship 2	Seki Nobuhiko	4Q	

・Japanese courses

Please check the following web site of Japanese language courses.

http://js.ila.titech.ac.jp/~web/japanese.html