

The following lectures are given in English at the School of Engineering,
The University of Tokyo, 2024

2024.07

Graduate Program

Int-Intensive, #=With conditions(please confirm the conditions before registration)

General Subject (共通)				
3799-027	Advanced Academic Writing	A 1		
3799-028	Advanced Academic Presentation	A 2		
3799-029	Academic Writing	S 1		
3799-030	Academic Presentation	S 2		
3799-035	Urban Redesign Studio	S1S2		
3799-037	Disaster risk management of engineering systems	S1S2		
3799-038	Case Study: Social Design and management	S1S2	Int	
3799-061	Multidisciplinary Lecture on Quantum Science and Technology III	A1A2		
3799-136	Advanced Lecture on Resilience Engineering	S1S2		
3799-138	Systems Safety	S1S2		
3799-139	Sensing for Resilient Systems	A1A2	Int	
3799-146	Engineering Competency I - Project Based Learning-	A1A2		
3799-148	Engineering Competency III -Summer Camp-	S1S2	Int	
3799-151	Engineering Literacy III -Advanced Academic Presentation-	Year-long	Int	
3799-158	UT-SNU Remote Lecture X II	A1A2		
3799-159	UT-SNU Remote Lecture X III	S1S2		
3799-167-1	Resilience Engineering Project I	S1S2	Int	
3799-167-2	Resilience Engineering Project I	A1A2	Int	
3799-168-1	Resilience Engineering Project II	S1S2	Int	
3799-168-2	Resilience Engineering Project II	A1A2	Int	
3799-204	Global Focus on Materials Science II	S1S2		
3799-259	Core Seminar on Gerontology X	Year-long	Int	
3799-387	International Collaborators' Special Lecture on Engineering XIV	S 2	Int	
3799-389	International Collaborators' Special Lecture on Engineering X VI	A1A2	Int	
3799-392	International Collaborators' Special Lecture on Engineering XXI	S 2	Int	
3799-393	International Collaborators' Special Lecture on Engineering XX	A1A2	Int	
3799-395	International Collaborators' Special Lecture on Engineering XXII	A1A2	Int	
3799-413	Special International Collaborative Practice S III	S1S2	Int	
3799-423	Special International Collaborative Practice A III	A1A2	Int	
3799-424	Special International Collaborative Practice A IV	A1A2		
3799-425	Special International Collaborative Practice A V	A1A2	Int	
3799-436	Special International Collaborative Workshop VI	A1A2	Int	
3799-437	Special International Collaborative Workshop VII	A1	Int	
3799-438	Special International Collaborative Workshop VIII	A1A2	Int	
3799-463	Practical Exercise for Gerontology	Year-long	Int	

3799-502	Creativity Engineering Project I B	S1S2	Int	
3799-504	Creativity Engineering Project I D	S1S2	Int	
3799-505	Creativity Engineering Project I E	S1S2	Int	
3799-506	Creativity Engineering Project I F	S1S2	Int	
3799-507	Creativity Engineering Project I G	S1S2	Int	
3799-512	Creativity Engineering Project I L	S1S2	Int	
3799-514	Creativity Engineering Project I N	S1S2	Int	
3799-516	Creativity Engineering Project I P	S1S2	Int	
3799-517	Creativity Engineering Project I Q	S1S2	Int	
3799-529	Creativity Engineering Project I	S1S2	Int	
3799-532	Creativity Engineering Project II B	A1A2	Int	
3799-533	Creativity Engineering Project II C	A1A2	Int	
3799-534	Creativity Engineering Project II D	A1A2	Int	
3799-535	Creativity Engineering Project II E	A1A2	Int	
3799-536	Creativity Engineering Project II F	A1A2	Int	
3799-537	Creativity Engineering Project II G	A1A2	Int	
3799-538	Creativity Engineering Project II H	A1A2	Int	
3799-542	Creativity Engineering Project II L	A1A2	Int	
3799-543	Creativity Engineering Project II M	A1A2	Int	
3799-544	Creativity Engineering Project II N	A1A2	Int	
3799-545	Creativity Engineering Project II O	A1A2	Int	
3799-546	Creativity Engineering Project II P	A1A2	Int	
3799-550	Creativity Engineering Project II T	A1A2	Int	
3799-559	Creativity Engineering Project II	A1A2	Int	
3799-824	WINGS-LST Course on Social Implementation	A1A2		#
3799-825	WINGS-LST Laboratory Practice	Year-long	Int	
3799-826	WINGS-LST Laboratory Training	Year-long	Int	
3799-827	WINGS-LST Seminars	Year-long	Int	
3799-828	WINGS-LST Advanced Training	Year-long	Int	
3799-980	Urban Redesign Study Colloquium	Year-long	Int	

Department of Civil Engineering (社会基盤学専攻)				
3713-002	Modeling of Concrete Performance	S1S2		
3713-005	Wind Engineering and Structures	S 1		
3713-014	Advanced Hydrology	S 1		
3713-020	Advanced Transportation Engineering	A 2		
3713-021	Infrastructure Management	S1S2		
3713-026	Urban Disaster Mitigation Engineering	A1A2		
3713-033	Computational Earthquake Engineering	A 2		
3713-034	Nonlinear Analysis in Civil Engineering	A 1		
3713-045	Projects in Developing Countries	A 2	Int	
3713-046	Frontier of Civil Engineering II	A 1		
3713-051	International English for Civil Engineers I	S1S2		
3713-052	International English for Civil Engineers II	A1A2		

3713-065-1	Japanese for Civil Engineers	Year-long	Int 2	#
3713-065-2	Japanese for Civil Engineers	Year-long	Int 2	#
3713-069	Economics for Civil Engineers	A 1		
3713-070	Empirical Analysis for Infrastructure Project/Policy Evaluation	S 2		
3713-074	Flood Disaster Simulation	S1S2		
3713-080	Geographic Information Systems	S1S2		
3713-082	Earthquake and Geo-disaster Mitigation Engineering	A1A2		
3713-086	Urban Redesign Studio	S1S2		
3713-089	Remote sensing E	A 1		
3713-090	Photogrammetry and Pattern Recognition E	S 1		
3713-091	Advanced Geotechnical Engineering E	S 1		
3713-092	Principles of Geotechnical Engineering E	A1A2		
3713-094	Advanced Coastal Engineering E	S 2		
3713-095	Sediment transport in hydrosphere E	A1A2		
3713-096	Hydrospheric Science Project E	S1S2		
3713-097	Transportation and urban design studio E	A 1		
3713-099	Wind Power Engineering E	S 1		
3713-110	Civil Engineering Seminar I	Year-long	Int	
3713-111	Civil Engineering Seminar II	Year-long	Int	
3713-112	Individual Research for Doctoral Dissertation I	Year-long	Int	
3713-113	Individual Research for Doctoral Dissertation II	Year-long	Int	
3713-114	Individual Research for Doctoral Dissertation III	Year-long	Int	
3713-116	Coastal Hydrodynamics	S 1		
3713-117	Urban Redesign Study Colloquium	Year-long	Int	
3713-118	Case Studies of International Projects	S 2		
3713-120	Innovations in Civil Engineering	S 1		
3713-122	Structural Dynamics	A 1		#
3713-123	Advanced Structural Dynamics	A 2		
3713-129	Designing infrastructure projects in developing countries	A 2	Int	
3713-130	Project Finance	A1A2		
3713-131-1	Japanese for Civil Engineers (Beginner II)	S1S2	Int 2	#
3713-131-2	Japanese for Civil Engineers (Beginner II)	A1A2	Int 2	#
3713-134	River Basin Management	A 1		
3713-136	Durability Design and Construction of Concrete Structure	S 1		
3713-137	Nonlinear Mechanics of Reinforced Concrete	A 2		
3713-138	Methodology of modeling and numerical simulations	A 1		
3713-139	Geographic Information Systems Exercises	S1S2		
3713-141	Design and maintenance of reinforced concrete structures	A 1		

Department of Architecture (建築学専攻)				
3714-045	Research in Architecture IA	S1S2	Int	#
3714-046	Research in Architecture IB	A1A2	Int	#
3714-047	Research in Architecture IIA	S1S2	Int	#
3714-048	Research in Architecture IIB	A1A2	Int	#
3714-049	Individual Research in Architecture IA	S1S2	Int	#
3714-050	Individual Research in Architecture IB	A1A2	Int	#
3714-067	Issues for Urban Environment and Facilities	A1A2		
3714-071	Timber Structures	A 1		
3714-086	Ultimate Behavior of Steel Building Structure	S1		
3714-090	Research in Architecture IIIA	S1S2	Int	#
3714-091	Research in Architecture IIIB	A1A2	Int	#
3714-092	Research in Architecture IVA	S1S2	Int	#
3714-093	Research in Architecture IVB	A1A2	Int	#
3714-094	Research in Architecture VA	S1S2	Int	#
3714-095	Research in Architecture VB	A1A2	Int	#
3714-096	Individual Research in Architecture IIA	S1S2	Int	#
3714-097	Individual Research in Architecture IIB	A1A2	Int	#
3714-098	Architecture and Cities in Japan 1	S1S2		
3714-099	Architecture and Cities in Japan 2	A1A2		
3714-108	Internship 1	Year-long	Int	
3714-109	Internship 2	Year-long	Int	
3714-113	Special Seminar for Architectural Practice I	S1S2	Int	
3714-114	Special Seminar for Architectural Practice II	A1A2	Int	
3714-118	Architectural Ethics 2	A1A2		
3714-121	Design of Structures and Theory of Generalized Inverse	S 1		
3714-122	Design of Structures and Theory of Generalized Inverse	S 1		
3714-130	Architectural Design I A	S1S2	Int	
3714-131	Architectural Design I B	A1A2	Int	
3714-132	Architectural Design II A	S1S2	Int	
3714-133	Architectural Design II B	A1A2	Int	
3714-134	Theory and Analysis on Building Thermal Systems	S1S2		
3714-136	Urban Redesign Studio	S1S2		
3714-138	Urban Redesign Study Colloquium	Year-long	Int	
3714-142	International practice for management of built environment	Year-long	Int	
3714-152	DLX Design Thinking	S1S2		
3714-159	Computational Kinematics	S1S2		
3714-160	Research Methods in Architecture	A1A2		
3714-161	Disaster Risk Management of Engineering Systems	S1S2		

3714-162	DLX Introduction to Media Design	A1A2		
3714-171	Seminar on Data Driven Space Design for Co-Creation	Year-long	Int	
3714-174	Architectural Computational Mechanics	A1		

Department of Urban Engineering (都市工学専攻)				
3716-001	Advanced Course in City Planning I	S1S2		
3716-037	Advanced Course in Environmental Engineering Laboratory	A 1	Int	
3716-043	Environmental Systems Analysis	A 1		
3716-045	Advanced Water Quality Engineering	S 1		
3716-052	Advanced Exercises in City Planning IA	S1S2	Int	
3716-053	Advanced Exercises in City Planning IB	A1A2	Int	
3716-054	Advanced Exercises in City Planning IIA	A1A2	Int	
3716-055	Advanced Exercises in City Planning IIB	S1S2	Int	
3716-056	Advanced Exercises in Environmental Engineering IA	S1S2	Int	
3716-057	Advanced Exercises in Environmental Engineering IB	A1A2	Int	
3716-058	Advanced Exercises in Environmental Engineering IIA	A1A2	Int	
3716-059	Advanced Exercises in Environmental Engineering IIB	S1S2	Int	
3716-060	Advanced Exercises in City Planning IIIA	S1S2	Int	
3716-061	Advanced Exercises in City Planning IIIB	A1A2	Int	
3716-062	Advanced Exercises in City Planning IVA	A1A2	Int	
3716-063	Advanced Exercises in City Planning IVB	S1S2	Int	
3716-064	Advanced Exercises in Environmental Engineering IIIA	S1S2	Int	
3716-065	Advanced Exercises in Environmental Engineering IIIB	A1A2	Int	
3716-066	Advanced Exercises in Environmental Engineering IVA	A1A2	Int	
3716-067	Advanced Exercises in Environmental Engineering IVB	S1S2	Int	
3716-068	Studies in City Planning IA	Year-long	Int	
3716-069	Studies in City Planning IB	Year-long	Int	
3716-070	Studies in City Planning IIA	Year-long	Int	
3716-071	Studies in City Planning IIB	Year-long	Int	
3716-072	Studies in City Planning IIIA	Year-long	Int	
3716-073	Studies in City Planning IIIB	Year-long	Int	
3716-074	Studies in Environmental Engineering IA	Year-long	Int	
3716-075	Studies in Environmental Engineering IB	Year-long	Int	
3716-076	Studies in Environmental Engineering IIA	Year-long	Int	
3716-077	Studies in Environmental Engineering IIB	Year-long	Int	
3716-078	Studies in Environmental Engineering IIIA	Year-long	Int	
3716-079	Studies in Environmental Engineering IIIB	Year-long	Int	
3716-091	Environmental Reaction Kinetics	A 2		
3716-094	Fundamentals of Water Pollution Control	A 1		

3716-116	Urban Water Systems	S1S2		
3716-117	Management of Global and Urban Environment	A1A2		
3716-128	International Practice for Management of Built Environment	Year-long	Int	
3716-132	Environmental Field Exercise I (E)	Year-long	Int	#
3716-133	Environmental Field Exercise II (E)	Year-long	Int	#
3716-134	Environmental Field Exercise III (E)	Year-long	Int	#
3716-135	Environmental Field Exercise IV (E)	Year-long	Int	#
3716-137	Global Urban Planning E	S1S2		
3716-141	Social Safe System for Natural Disasters	S2		
3716-142	Risk Management of Urban Flood Disaster	A1		
3716-143	Urban Redesign Study Colloquium	Year-long	Int	
3716-152	Urban Redesign Studio	S1S2		
3716-169	Forefronts of Urban environmental Projects(E)	S 1		
3716-171	Appropriate Technology for Environmental Sanitation(E)	S2		
3717-002	Special Studies and Seminar in Urban Engineering IA	S1S2	Int	
3717-003	Special Studies and Seminar in Urban Engineering IB	A1A2	Int	
3717-004	Special Studies and Seminar in Urban Engineering IIA	A1A2	Int	
3717-005	Special Studies and Seminar in Urban Engineering IIB	S1S2	Int	
3717-006	Special Studies and Seminar in Urban Engineering IIIA	S1S2	Int	
3717-007	Special Studies and Seminar in Urban Engineering IIIB	A1A2	Int	
3717-008	Special Studies and Seminar in Urban Engineering IVA	A1A2	Int	
3717-009	Special Studies and Seminar in Urban Engineering IVB	S1S2	Int	
3717-016	Studio Work in Urban Development 1	S 1	Int	
3717-017	Studio Work in Urban Development 2	S 2	Int	
3717-018	Studio Work in Urban Development 3	A 1	Int	
3717-019	Studio Work in Urban Development 4	A 2	Int	
3717-024	Hazardous Waste Management	A 2		
3717-025	Environmental Risk Management	S 2		
3717-031	Regional Planning	A 1		
3717-032	Urban Development Policy and Planning	A 2		
3717-041	Systems and Tools toward a Sound Material-cycle Society	S 2		
3717-043	Advanced Course in Health-related Water Microbiology	A 2		
3717-044	Advanced Course in Environmental Microbiology	A1A2		
3717-046	Advanced Course in Travel Behavior Analysis€	A1A2		

Department of Mechanical Engineering (機械工学専攻)				
3722-060	Molecular Thermo-Fluid Engineering	S 1		
3722-101	Applied Mathematics for Mechanical Engineering	S 1		
3722-107	Solid Mechanics Seminar	A 2		

3722-113	Computational Methods for Fluid Flows and Thermal Systems	A1A2		
3722-114	Active Vibration Control	A1A2		
3722-116	Long-term internship	Year-long	Int	
3722-118	Basic Theory of Extended Nano Space	A1A2		#
3722-119	Nano/Micro Energy Systems	A1A2		#
3722-125	Practical Exercise of Extended Nano Space	S1S2	Int	
3722-134	Engineering Competency I -Project Based Learning-	A1A2		
3722-136	Engineering Competency III -Summer Camp-	S1S2	Int	
3722-139	Engineering Literacy III -Advanced Academic Presentation-	Year-long	Int	
3722-140	Advanced Lectures on Mechanical Engineering III	Year-long	Int	
3722-157	Advanced Thermodynamics	S1S2		
3722-158	Advanced Heat and Mass Transfer	A1A2		
3722-159	Advanced Fluids Engineering 1	S1S2		
3722-160	Advanced Fluids Engineering 2	A1A2		
3722-161	Nanotechnology	A1A2		
3722-162	Advanced MEMS and Microsystem	A1A2		
3722-165	Numerical Methods in Mechanical Engineering	S 2		
3722-167	Expressive robot control	S1S2		
3722-168	Intelligent Mobility	A1A2		
3724-051	Advanced Lectures on Mechanical Engineering II	S1S2	Int	
3724-080	Information and Measurement	S 1		

Department of Precision Engineering (精密工学専攻)				
3729-045	Practice in International Workshop on Precision Engineering	Year-long	Int	
3729-046	Advanced Practice of Precision Engineering M	Year-long	Int	#
3729-047	Advanced Practice of Precision Engineering D1	Year-long	Int	#
3729-048	Advanced Practice of Precision Engineering D2	Year-long	Int	#
3729-049	Special Seminar of Precision Engineering M	Year-long	Int	#
3729-050	Special Seminar of Precision Engineering D	Year-long	Int	#
3729-069	Special Lecture on Decommissioning and Dismantling	A1A2		
3729-083	DLX Design Thinking	S1		
3729-096	DLX Introduction to Media Design	A1A2		

Department of Systems Innovation (システム創成学専攻)				
3736-030	System Innovation Apprenticeship 1	Year-long	Int	
3736-031	System Innovation Apprenticeship 2	Year-long	Int	
3736-032	System Innovation Apprenticeship 3	Year-long	Int	
3736-033-1	System Innovation Project 1(J/E)	S1S2	Int	

3736-033-2	System Innovation Project 1(J/E)	A1A2	Int	
3736-038-1	System Innovation Project 6(J/E)	S1S2	Int	
3736-038-2	System Innovation Project 6(J/E)	A1A2	Int	
3736-041-1	Advanced Seminar on System Innovation 1	S1S2	Int	#
3736-041-2	Advanced Seminar on System Innovation 1	A1A2	Int	#
3736-047	System Innovation Project 4A(J/E)	Year-long	Int	
3736-048	System Innovation Project 4B(J/E)	Year-long	Int	
3736-051-1	Advanced Seminar on System Innovation 2A(J/E)	S1S2	Int	#
3736-051-2	Advanced Seminar on System Innovation 2A(J/E)	A1A2	Int	#
3736-052-1	Advanced Seminar on System Innovation 2B(J/E)	S1S2	Int	#
3736-052-2	Advanced Seminar on System Innovation 2B(J/E)	A1A2	Int	#
3736-053-1	System Innovation Project 2(J/E)	S1S2	Int	
3736-053-2	System Innovation Project 2(J/E)	A1A2	Int	
3736-054	System Innovation Project 3(J/E)	Year-long	Int	
3736-055-2	System Innovation Project 4C(J/E)	A1A2	Int	
3736-056-2	System Innovation Project 4D(J/E)	A1A2	Int	
3736-057	System Innovation Project 5(J/E)	A1A2	Int	
3736-106	Complex Fluid System Modeling	S1S2		
3736-107	Global Environmental and Energy Policy	A 2		
3736-123	Recycling process and system engineering	A1A2		
3736-136	Fracture Mechanics	A1		
3736-137	Simulation Technologies for Complicated/Complex Phenomena	S 1		
3736-138	Design and Analysis of Structure	S 1		
3736-143	Stochastic simulation	A1		
3736-146	Introduction to statistical physics for social and economic systems	S 1		
3736-149	Global Logistics	A1A2		
3736-155	Innovation of near-future financial systems	Year-long		

Department of Aeronautics and Astronautics (航空宇宙工学専攻)				
3734-090	Aerodynamic Design of Aircraft	Year-long	Int	
3734-094	Seminar in Aeronautics and Astronautics	Year-long	Int	
3734-107	Waves and Fracture	A1A2		
3734-115	Introduction to innovative structural design	A1A2		
3734-117	Prognostics and System Health Management	S1S2		

Department of Electrical Engineering and Information Systems (電気系工学専攻)				
3747-018	System and Control Theory	S1S2		
3747-021	Micromechatronics	A1A2		
3747-035	Solid State Electronics I	S1S2		

3747-039	Neural Networks	S 1		
3747-046	Fundamentals of Semiconductor Devices	A1A2		
3747-092	Frontier Engineering for Power Equipment	A1A2		
3747-094	D2T special lecture I	S1S2	Int	
3747-100	Physics and Technology of Solar Cells	A1		
3747-104	Organic Electronics	S1S2		
3747-110	Multithreaded Parallel Computing	S1S2		
3747-117	Quantum theory of light and light-matter interaction	A1A2		
3747-122	Machine Learning for Multimedia Processing	A1A2		
3747-501	EE&CS Master Course Experiment	Year-long	Int	
3747-505	Advanced Study on Frontier Informatics I	Year-long	Int	
3747-512	Advanced Study on Frontier Informatics II	Year-long	Int	
3747-513	Frontier Informatics Master Course Seminar I	Year-long		
3747-514	Frontier Informatics Master Course Seminar II	Year-long		
3747-515	Frontier Informatics Doctor Course Seminar I	Year-long		
3747-516	Frontier Informatics Doctor Course Seminar II	Year-long		
3747-517	Frontier Informatics Doctor Course Seminar III	Year-long		

Department of Applied Physics (物理工学専攻)				
3752-047	Colloquium on Applied physics I	Year-long		
3752-048	Colloquium on Applied physics II	Year-long	Int	
3752-050	Experiments and Exercises in Applied Physics II	Year-long	Int	
3752-056	Condensed Matter Physics	A 1		
3752-066	Experimental Methods in Applied Physics (B)	S1S2		
3752-068	Experiments and Exercises in Applied Physics I	Year-long	Int	
3752-071	Advanced Colloquium on Applied Physics	Year-long	Int	
3752-072	Advanced Laboratory and Exercises in Applied Physics I	Year-long	Int	
3752-073	Advanced Laboratory and Exercises in Applied Physics II	Year-long	Int	
3752-083	Quantum Mechanics	S1S2		
3752-084	Material Science	S1S2		
3752-085	Computational Physics	S1S2		
3752-091	Computational Science for Many-Body Problems	S1S2		
3752-094	Data Compression in Computational Science and Quantum Computing	A1A2		

Department of Materials Engineering (マテリアル工学専攻)				
3765-003	Advanced Lecture on Solid State Physics	S1S2		
3765-006	Advanced Lecture on Materials Chemistry II	A1A2		
3765-041	Advanced Materials Engineering I	A1A2		
3765-042	Advanced Materials Engineering II	S1S2		

3765-061	Advanced Lecture and Exercise on Thermodynamics	A1A2		
3765-062	Advanced Lecture and Exercise on Transport Phenomena	S1S2		
3765-063	Advanced Lecture and Exercise on Elasticity	A1A2		
3765-113	Advanced Lecture on Mechanics of Materials	S 2		
3765-118	Advanced Lecture on Nanomaterials Simulation	S 1		
3765-119	Advanced Lecture on Optical Properties and Materials	S 1		
3765-125	Advanced Lecture on Nano-carbon materials	S 1		
3765-143	Advanced Lecture on Dislocations in Semiconductors	S 1		
3765-144	Advanced Lecture on Mterials Interface Engineering	S 1		
3765-146	Advanced Lecture on Medical Materials	S 1		
3765-154	Advanced Lecture on Biodevice Materials	S 1		
3765-165	Advanced Lecture on Materials Reliability Engineering	S 1		

Department of Applied Chemistry (応用化学専攻)				
3771-003	Organometallic Chemistry	A1A2	Int	
3771-076	Organic Chemistry: Structure, Reaction, and Synthesis IV	A 1		

Department of Chemical System Engineering (化学システム工学専攻)				
3773-044	Advanced Chemical Reaction Engineering	S1S2		
3773-068	Selected Topics in Chemical System Design	Year-long	Int	
3773-094	Topics in Heterogeneous Catalysis and Surface Reactions	A 1		
3773-120	Reaction Systems Engineering II	S1S2		
3773-122	Material Systems Engineering II	S1S2		
3773-123	Chemical Systems Management	A1A2		
3773-124	Sustainability System Engineering	S1S2		
3773-125	Multiscale Biosystems Engineering	A1A2		
3773-128	Material Systems Engineering III	A1A2		
3773-167	Advanced lecture on pharmaceutical process systems engineering	A2		
3773-169	Chemical Technology and Practices 5	S1S2		
3773-307	Special lecture on chemical system engineering I	S1S2	Int	
3773-308	Special lecture on chemical system engineering II	S1S2	Int	

Department of Chemistry and Biotechnology (化学生命工学専攻)				
3775-003	Organometallic Chemistry	A1A2	Int	
3775-103	Structures Analysis	S1S2		
3775-105	Basics for Functional Chemistry II	S 1		
3775-109	Organic Chemistry: Structure, Reaction, and Synthesis IV	A 1		
3775-115	Molecular Biochemistry II	A 1		
3775-151	Molecular Physical Chemistry	A1A2		

Department of Advanced Interdisciplinary Studies (先端学際工学専攻)				
3787-005	Lectures on Advanced Research Strategy and Social Systems	A1A2		
3787-006	Lectures on Advanced Materials and Devices	A1A2		
3787-008	Lectures on Advanced Life Science	S1S2		
3787-071	Proseminar on Advanced Research Strategy and Social Systems (I)	Year-long	Int	
3787-072	Proseminar on Advanced Research Strategy and Social Systems (II)	Year-long	Int	
3787-073	Proseminar on Advanced Materials and Devices	Year-long	Int	
3787-074	Advanced Materials and Devices Experiment	Year-long	Int	
3787-075	Proseminar on Advanced Information Systems	Year-long	Int	
3787-076	Advanced Information Systems Experiment	Year-long	Int	
3787-077	Proseminar on Life Sciences	Year-long	Int	
3787-078	Advanced Life Sciences Experiment	Year-long	Int	
3788-034	University Entrepreneurship	A1A2		
3788-042	Leadership-talent growth program(I)-Proposal-	Year-long	Int	
3788-043	Leadership-talent growth program(II)-English in Advanced Science and Technology-	A1A2	Int	
3788-049	Advanced Environmental Science and Energetics	A1A2		
3788-057	Proseminar on Advanced Environmental and Energy Sciences	Year-long	Int	
3788-058	Advanced Environmental and Energy Sciences Experiment	Year-long	Int	
3788-059	Environmental Science I	S1S2		
3788-061	Energy Science I	A1A2		
3788-064	Proseminar on Advanced Barrier-Free Science (I)	Year-long	Int	
3788-065	Proseminar on Advanced Barrier-Free Science (II)	Year-long	Int	
3788-074	Special Lectures on Advanced Generic Technology	A1A2		
3788-075	Energy Technology and Natural Resources I	S1S2		
3788-076	Needs-Inspired Invention and Entrepreneurship	S1S2		
3788-078	Fundamentals of Advanced Materials and Devices	A1A2		
3788-079	Fundamentals of Advanced Information System	S1S2		
3788-086	Economics of Innovation Policy and Management	A1A2		
3788-092	Advanced Topics in Data Science	S 1		

Department of Nuclear Engineering and Management (原子力国際専攻)				
3789-032	Nuclear Reactor Theory and Radiation Physics	S 1		
3789-033	Nuclear Thermal-hydraulics and Structural Mechanics	S 1		
3789-034	Overview of Energy Systems	S 2		
3789-035	Social Science Essentials	S 1		
3789-036	Chemistry in Nuclear Engineering	S 2		
3789-037	Radiation Biology	S 1		

3789-038	Fundamentals in Nuclear Physics	S 1	
3789-039	Nuclear Safety Engineering	A1A2	
3789-041	Radiation Safety	S1S2	
3789-043	Nuclear Nonproliferation and Security	A1A2	
3789-045	Nuclear Plant Engineering	A1A2	
3789-046	Applied Radiation Engineering	A1A2	
3789-047	Management of Spent Fuel and Radioactive Waste	A1A2	
3789-050	Quantum Beam Engineering	S1S2	
3789-051	Advanced Radiation Application	S1S2	
3789-054	Energy Systems Analysis	A1A2	
3789-055	Advanced Lecture on Next Generation Nuclear Energy Systems	A1A2	
3789-059	Introduction to Nuclear Engineering	A1A2	
3789-060	Special Lecture on Decommissioning and Dismantling	A1A2	
3789-061	Advanced Laser and Photon Science	S1S2	
3789-072	Advanced Nuclear Engineering Seminar III	A1A2	
3789-073	Colloquiums on Nuclear Engineering and Management I	S1S2	Int
3789-074	Colloquiums on Nuclear Engineering and Management II	A1A2	Int
3789-075	Workshop on Nuclear Engineering and Management	S1S2	Int
3789-090	Nuclear Engineering Master's Course Seminar 1	S1S2	
3789-091	Nuclear Engineering Master's Course Seminar 2	A1A2	
3789-092	Nuclear Engineering Master's Course Seminar 3	S1S2	
3789-093	Nuclear Engineering Master's Course Seminar 4	A1A2	
3789-094	Nuclear Engineering Doctoral Course Seminar 1	S1S2	
3789-095	Nuclear Engineering Doctoral Course Seminar 2	A1A2	
3789-096	Nuclear Engineering Doctoral Course Seminar 3	S1S2	
3789-097	Nuclear Engineering Doctoral Course Seminar 4	A1A2	
3789-098	Nuclear Engineering Doctoral Course Seminar 5	S1S2	
3789-099	Nuclear Engineering Doctoral Course Seminar 6	A1A2	
3789-105	Nuclear Engineering Master's Course Exercise 1	S1S2	
3789-106	Nuclear Engineering Master's Course Exercise 2	A1A2	
3789-107	Nuclear Engineering Master's Course Exercise 3	Year-long	
3789-113	Nuclear Engineering Doctor's Course Exercise 1	S1S2	
3789-114	Nuclear Engineering Doctor's Course Exercise 2	S1S2	
3789-115	Nuclear Engineering Doctor's Course Exercise 3	S1S2	
3789-116	Nuclear Engineering Doctor's Course Exercise 4	A1A2	
3789-117	Nuclear Engineering Doctor's Course Exercise 5	A1A2	
3789-118	Nuclear Engineering Doctor's Course Exercise 6	A1A2	
3789-119	Advanced Nuclear Engineering Seminar 3A	A1A2	
3789-120	Advanced Nuclear Engineering Seminar 3B	A1A2	

3789-121	Advanced Nuclear Engineering Seminar 3C	A1A2		
3789-122	Management and Maintenance Engineering for Nuclear Systems E	S1S2		
3789-123	Materials and Fuels in Nuclear Systems E	A1A2		

Department of Bioengineering (バイオエンジニアリング専攻)				
3791-006	Brain Electronics	S1S2		
3791-029	Human Anatomy	S 1	Int	
3791-030	Human Physiology	S 1	Int	
3791-031	Human Pathology	S 1	Int	
3791-032	Overview on Clinical Medicine	S 1	Int	
3791-108	Advanced Biomaterials	A 2		
3791-113	Radiation Biology	S 1		
3791-115	Advanced Biodevices	A1A2		
3791-116	Bioengineering exercise for social implementation 1	A1A2		
3791-117	Bioengineering exercise for social implementation 2	A1A2		
3791-123	Bioengineering Summer Experiments A	Year-long	Int	
3791-124	Bioengineering Summer Experiments B	Year-long	Int	
3791-125	Basic Biology	A1A2		
3791-126	Overview of Chemical Bioengineering	S1S2		
3791-127	Multiscale Biosystems Engineering	A1A2		
3791-128	Overview of Bioelectronics	S1S2		
3791-206	Overview of Bioimaging 1	S1S2		
3791-213	Overview of Biodevices 2	S1S2		
3791-215	Overview of Biomaterials 2	S1S2		
3791-521	Bioengineering Seminar 1(A)	S1S2		
3791-522	Bioengineering Seminar 1(B)	A1A2		
3791-523	Bioengineering Seminar 2(A)	S1S2		
3791-524	Bioengineering Seminar 2(B)	A1A2		
3791-601	Bioengineering Seminar 3(A)	S1S2		
3791-602	Bioengineering Seminar 3(B)	A1A2		
3791-603	Presentation and writing in bioengineering	A1A2		
3791-604	Advanced Experiments on Bioengineering 5	Year-long	Int	
3791-605	Advanced Research on Bioengineering 5	Year-long	Int	

Department of Technology Management for Innovation (技術経営戦略学専攻)				
3792-104	Technology Management and Product Development	S1S2		
3792-129	Risk Management	A1A2		
3792-130	Innovation and Entrepreneurship	A1A2		
3792-131	International Intellectual Property Management	A1A2		

3792-141	Global Business Strategy and Policy	A 1		
3792-142	Quantitative Methods for Management and Policy Analysis	S 1		
3792-146	Science, Technology and Public Policy	A 1		
3792-147	Science, Technology, and Innovation Policy	A1A2		
3792-150	Advanced Technology Management	A1A2		
3792-164	Empirical Methods in Applied Economics	S1S2		
3792-166	Global Logistics	A1A2		
3792-171	Economics of Innovation Policy and Management	A1A2		
3792-175	Industrial Ecology and Input-output Analysis	S1S2		
3792-177	Deep Dive into the Entrepreneurial Mindset and Process	S1S2	Int	

Undergraduate Program

Int-Intensive, NAE*: Not Available for Exchange Student

General Subject (共通)				
FEN-CO3007S2	Workshop towards communicating engineers	S1S2		
FEN-CO3008S2	Workshop towards communicating engineers	S1S2		
FEN-CO3913S3	International Collaborative Practice S III	S1S2	Int	
FEN-CO3943S3	International Collaborative Practice A III	A1A2	Int	
FEN-CO3944S3	International Collaborative Practice A IV	A1A2		
FEN-CO3945S3	International Collaborative Practice A V	A1A2	Int	
FEN-CO3995P3	International Collaborative PracticeVI	A1A2	Int	
FEN-CO3996P3	International Collaborative PracticeVII	A 1	Int	
FEN-CO3997P3	International Collaborative PracticeVIII	A1A2	Int	
FEN-CO3g01P2	Creativity Engineering Project for UnderGraduate IA	S1S2	Int	
FEN-CO3g02P2	Creativity Engineering Project for UnderGraduate IB	S1S2	Int	
FEN-CO3g04P2	Creativity Engineering Project for UnderGraduate ID	S1S2	Int	
FEN-CO3g05P2	Creativity Engineering Project for UnderGraduate IE	S1S2	Int	
FEN-CO3g06P2	Creativity Engineering Project for UnderGraduate IF	S1S2	Int	
FEN-CO3g07P2	Creativity Engineering Project for UnderGraduate IG	S1S2	Int	
FEN-CO3g12P2	Creativity Engineering Project for UnderGraduate IL	S1S2	Int	
FEN-CO3g14P2	Creativity Engineering Project for UnderGraduate IN	S1S2	Int	
FEN-CO3g16P2	Creativity Engineering Project for UnderGraduate IP	S1S2	Int	
FEN-CO3g17P2	Creativity Engineering Project for UnderGraduate IQ	S1S2	Int	
FEN-CO3g29P2	Creativity Engineering Project for UnderGraduate I	S1S2	Int	
FEN-CO3g31P2	Creativity Engineering Project for UnderGraduate II A	A1A2	Int	
FEN-CO3g32P2	Creativity Engineering Project for UnderGraduate II B	A1A2	Int	
FEN-CO3g33P2	Creativity Engineering Project for UnderGraduate II C	A1A2	Int	
FEN-CO3g34P2	Creativity Engineering Project for UnderGraduate II D	A1A2	Int	

FEN-CO3g35P2	Creativity Engineering Project for UnderGraduate II E	A1A2	Int	
FEN-CO3g36P2	Creativity Engineering Project for UnderGraduate II F	A1A2	Int	
FEN-CO3g37P2	Creativity Engineering Project for UnderGraduate II G	A1A2	Int	
FEN-CO3g38P2	Creativity Engineering Project for UnderGraduate II H	A1A2	Int	
FEN-CO3g42P2	Creativity Engineering Project for UnderGraduate II L	A1A2	Int	
FEN-CO3g44P2	Creativity Engineering Project for UnderGraduate II N	A1A2	Int	
FEN-CO3g46P2	Creativity Engineering Project for UnderGraduate II P	A1A2	Int	
FEN-CO3g50P2	Creativity Engineering Project for UnderGraduate II T	A1A2	Int	
FEN-CO3g59P2	Creativity Engineering Project for UnderGraduate II	A1A2	Int	
FEN-CO4003S2	Academic Writing	S 1		
FEN-CO4004S2	Academic Writing	S 1		
FEN-CO4005S2	Academic Presentation	S 2		
FEN-CO4006S2	Academic Presentation	S 2		
FEN-CO4147L1	Mathematical Method VII	S1S2		
FEN-CO4450L3	Visualizing Japan in the Modern World	A1A2	Int	
FEN-CO4931L1	Lecture on Next Generation Cyber Infrastructure	A1A2		
FEN-CO4g61P2	Creativity Engineering Project for UnderGraduate IIIA	S1S2	Int	
FEN-CO4g62P2	Creativity Engineering Project for UnderGraduate IIIB	S1S2	Int	
FEN-CO4g64P2	Creativity Engineering Project for UnderGraduate IIID	S1S2	Int	
FEN-CO4g65P2	Creativity Engineering Project for UnderGraduate IIIE	S1S2	Int	
FEN-CO4g66P2	Creativity Engineering Project for UnderGraduate IIIF	S1S2	Int	
FEN-CO4g67P2	Creativity Engineering Project for UnderGraduate IIIG	S1S2	Int	
FEN-CO4g72P2	Creativity Engineering Project for UnderGraduate IIIL	S1S2	Int	
FEN-CO4g74P2	Creativity Engineering Project for UnderGraduate IIIN	S1S2	Int	
FEN-CO4g76P2	Creativity Engineering Project for UnderGraduate IIIP	S1S2	Int	
FEN-CO4g77P2	Creativity Engineering Project for UnderGraduate IIIQ	S1S2	Int	
FEN-CO4g89P2	Creativity Engineering Project for UnderGraduate III	S1S2	Int	
FEN-CO5972L3	International Collaborators' Lecture on Engineering VIII	A 2	Int	
FEN-CO5974L2	International Collaborators' Lecture on Engineering X	S 2	Int	
FEN-CO5975L2	International Collaborators' Lecture on Engineering XI	A1A2	Int	
FEN-CO5976L2	International Collaborators' Lecture on Engineering XII	A 2	Int	

Department of Civil Engineering (社会基盤学科)				
FEN-CE4001L3	Basic International Communication I	S1S2		
FEN-CE4002L3	Basic International Communication II	A1A2		
FEN-CE4m17T2	Independent Project	S1S2	Int	
FEN-CE4m18T2	Civil Engineering Project	Year-long	Int	NAE*
FEN-CE5409L3	Project Finance	A1A2		
FEN-CE5410L3	Economics for Civil Engineers	A 1		

FEN-CE5a13L3	Advanced Geotechnical Engineering	S 1		
FEN-CE5a14L3	Wind Engineering and Structures	S 1		
FEN-CE5a18L3	Computational Earthquake Engineering	A 2		
FEN-CE5a19L3	Structural Dynamics	A 1		
FEN-CE5m34L3	Case Studies of International Projects	S 2		
FEN-CE5m42L3	Innovations in Civil Engineering	S 1		

Department of Architecture (建築学科)				
FEN-AR3s04S1	Exercises in Building Materials	S1S2		
FEN-AR3v05L1	Introduction to Architectural Informatics	A1A2		

Department of Urban Engineering (都市工学科)				
FEN-UE2m07L1	Introduction to Landscape Planning	A1A2		
FEN-UE3908S1	Exercises in Urban Engineering B-1	S1S2		
FEN-UE3913S2	Global seminar on urban engineering 1	S 1		
FEN-UE3914S2	Global seminar on urban engineering 2	A 1		
FEN-UE3m43S3	Introduction to Sustainable Urban Engineering	S 1		
FEN-UE4919T2	Graduation Thesis, Urban Engineering	A1A2	Int	NAE*

Department of Mechanical Engineering (機械工学科)				
FEN-MX3905S2	Seminar of Mechanical Engineering in English	A1A2		
FEN-MX4910L3	Mechanical Engineering Seminar I	A1A2	Int	
FEN-MX4911L3	Mechanical Engineering Seminar II	A1A2	Int	
FEN-MX5604L3	Information and Measurement	S 1		
FEN-MX5b23L3	Applied Mathematics for Mechanical Engineering	S 1		
FEN-MX5b32L1	Medical Engineering	S1S2		
FEN-MX5d10L3	Numerical Methods in Mechanical Engineering	S 2		

Department of Aeronautics and Astronautics (航空宇宙工学科)				
FEN-AA4u82L2	Introduction to Aerospace System Engineering	S 1		
FEN-AA4u84L1	Special Lectures on Aeronautics and Astronautics	S1S2		

Department of Precision Engineering (精密工学科)				
FEN-PE3602L1	Measurement in Precision Engineering II	A1A2		
FEN-PE3903S2	Seminar and factory tour	A1A2		
FEN-PE4000S2	Presentation in English for Precision Engineering A	S1S2		
FEN-PE4001S2	Presentation in English for Precision Engineering B	S1S2		

Information and Communication Engineering, Electrical and Electronic Engineering(電子情報工学科・電気電子工学科)				
FEN-EE4d19L1	Programming Languages	S1S2		

Department of Applied Physics (物理工学科)				
FEN-AM3242L1	Solid State Physics (2)	A1A2		
FEN-AM4244L2	Solid State Physics (4)	A 1		
FEN-AP3961S2	Seminar in Applied Physics 1	S1S2		
FEN-AP4970S2	Advanced Seminar in Applied Physics	S1S2		

Department of Mathematical Engineering and Information Physics (計数工学科)				
FEN-MP3910E1	Laboratory on Mathematical Engineering and Information Physics	S1S2		
FEN-MP3950E1	Information Physics and Computing Laboratory 1	A1A2		
FEN-MP3m06L1	Special Lectures on Mathematical Information Engineering 1	A 1		
FEN-MP3m07L1	Special Lectures on Mathematical Information Engineering 2	A 2		
FEN-MP4703S2	Seminar in Information Physics and Computing 1	S1S2		
FEN-MP4704S2	Seminar in Information Physics and Computing 2	A1A2		
FEN-MP4900T1	Graduation Thesis, Mathematical Engineering	A1A2	Int	NAE*
FEN-MP4940S2	Seminar in Mathematical Information Engineering	S1S2		

Department of Materials Engineering (マテリアル工学科)				
FEN-MA2914L3	UT-MIT International Lecture	A1A2	Int	
FEN-MA3902S3	Seminars for Materials Engineering	S1S2		
FEN-MA3e22L3	Introduction to Structural Materials	A 2	Int	
FEN-MA3e23L3	Introduction to Semiconductor Materials	A 2	Int	
FEN-MA3f02L3	Introduction to Nano-Biomaterials	A 2	Int	
FEN-MA4913T2	Graduation Thesis in Materials Engineering	Year-long	Int	NAE*
FEN-MA4e24L3	Applied Composite Materials	S 1		
FEN-MA4e26L3	Applied Materials Science of Biodevices	S 1		
FEN-MA4e27L3	Applied Physical Metallurgy of Steel	S 1		
FEN-MA4e28L3	Applied Semiconductor Processes	S 1		
FEN-MA4e29L3	Applied Materials Sciences of Nanodevices	S 1		
FEN-MA4f03L3	Applied Medical Material Science	S 1		

Department of Applied Chemistry (応用化学科)				
FEN-CA3m00S1	Basic Practice on Applied Chemistry	A1A2		
FEN-CA4991T2	Graduation Thesis, Applied Chemistry	Year-long	Int	NAE*

Department of Chemical System Engineering (化学システム工学科)				
FEN-CS3701L1	Process System Engineering I	S1S2		
FEN-CS3702L1	Process System Engineering II	A1A2		
FEN-CS3m04S2	Readings on Chemical Systems Engineering	A1A2		
FEN-CS4304L2	Chemical Reaction Engineering II	S1S2		
FEN-CS4991T2	Graduation Thesis, Chemical System Engineering	Year-long	Int	NAE*
FEN-CS4m03S1	Process Design and Practices	S1S2		

Department of Chemistry and Biotechnology (化学生命工学科)				
FEN-CB2001L3	Introductory lectures for chemistry and biotechnology	A1A2		
FEN-CB4991T2	Graduation Thesis, Chemistry and Biotechnology	Year-long	Int	NAE*
FEN-CH2309L1	Analytical Chemistry II	A 2		
FEN-CH3100L1	Statistical Analysis	A1A2		
FEN-CH3321L1	Chemical Reaction and Kinetics II	A1A2		
FEN-CH3m03S1	Exercises in Computer Chemistry	S1S2		
FEN-CH3m07S1	Chemical Engineer and Exercises I	A1A2		
FEN-CH4324L1	Structures Analysis	S1S2		
FEN-CH4903S2	Experiments and Exercises in Chemistry and Life Science	S1S2	Int	
FEN-CH4904S2	Experiments and Exercises in Chemistry and Life Science 2	A1A2	Int	

Department of Systems Innovation (システム創成学科)				
FEN-SC2972S1	International project	A 2	Int	
FEN-SC3973Z9	International field trip project	A 2	Int	
FEN-SI3b41L3	Heat Transfer and Thermodynamics	A 1		
FEN-SI4502L3	Advanced Environment & Energy	S 2		
FEN-SI4n04L3	Energy Beam Applications and Quantum/Relativistic Mechanics	S1S2		
FEN-SI4n06L3	Nuclear Reactor Engineering	S 1		
FEN-SI5d25L1	Innovation of near-future financial systems	Year-long		