

2024 Timetables

< Master's Program PED Program >

【core courses】

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
N000011	Multi-disciplinary Problem Based Learning in Graduate School of Engineering Science	ICHIGE KOICHI	Spring	Thu.	5			
N00002A	Presentation English	ANDO YOSHITAKA	Spring	Mon.	2	S5-9	101	(a) class
N00002B	Presentation English	ANDO YOSHITAKA	Spring	Mon.	3	S5-9	101	(b) class
N00002C	Presentation English	ANDO YOSHITAKA	Fall	Mon.	2	S5-9	101	(c) class
N00002D	Presentation English	ANDO YOSHITAKA	Fall	Mon.	3	S5-9	101	(d) class
N000064	Innovation and New Business II	OTSUKA KAZUHIRO , et.al.	Fall	Intensive course				
N000111	The Professional Ethics in EU&US	KITAGAWA TATSUO	Spring	Tue.	2	S5-5	301	
N000121	Effective Business Planning in Global Companies	AOKI YUIKO	Spring	Wed.	2・3	S5-8	201	Biweekly offered
N000131	Next Generation's Business Skills as a Global Standard	YAMAGUCHI HIROSHI	Spring	Fri.	3・4	S5-5	307	Biweekly offered
N000141	Innovation and Challenges I	OTSUKA KAZUHIRO , et.al.	1 st Term	Mon.	4・5	S5-9	102	
N000151	Innovation and Challenges II	OTSUKA KAZUHIRO , et.al.	2 nd Term	Mon.	4・5	S5-9	102	
N000161	Standardization and Business	MANABU ETO	Spring	Tue.	4			
N000171	Technological subject in Kanagawa prefecture	TAMECHIKA EMI	Fall	Wed.	3	S5-5	301	
N000184	Project Management	ONO TAKUYA	Spring	Fri.	3・4	S5-8	201	Biweekly offered
(S)N009811	Oversea Internship for Science Engineering	OYAMA TOSHIYUKI	Spring	Intensive course				
(F)N009814	Oversea Internship for Science Engineering	OYAMA TOSHIYUKI	Fall	Intensive course				
NA10011	Computational Fluid Engineering	MATSUI JUN	Spring	Tue.	2	S5-5	109	
NA10024	Turbulence Phenomena	NISHINO KOICHI	Fall	Mon.	1	N6-5	601	
NA20014	Introduction to Materials for Electronics and Optoelectronics	MUKAI KOKI	Fall	Tue.	2			
NA20024	Introduction of multi-functional composites	NAKAO WATARU	Fall	Thu.	1			
NA30014	Ship Motions in Waves	HIRAKAWA YOSHIAKI	Fall	Thu.	4			
NA30024	Introduction to Ocean Resources and Energy Engineering	NISHI YOSHIKI	Fall	Mon.	2	S5-5	307	
NB10014	Advanced Statistical Mechanics	SAKOMURA MASARU						No class in even year
NB10031	Catalytic Chemistry	KUBOTA YOSHIHIRO						No class in even year
NB10044	Design of Polymers and Polymer Systems	OYAMA TOSHIYUKI	Spring	Tue.	3	S5-5	202	
NB10064	Microbial Biotechnology	KIKUCHI YOSHIMI , et.al.						No class in even year
NB10074	Advanced Instrumental Analysis	TANIMURA MAKOTO	Fall	Mon.	3	S5-5	207	
NB10254	Solid State Chemistry	YABUUCHI NAOAKI	Fall	Fri.	1	S7-6	108	
NB20011	Process Monitoring	OKAZAKI SHINJI	Spring	Thu.	1	S5-5	206	
NB20031	Advanced Transport Phenomena	AIHARA MASAHIKO	Spring	Fri.	6	N8-5	313	
NB20043	Cutting Edge of Fuel Cell Technology	MITSUBISHI SHIGENORI , et.al.	3 rd Term	Intensive course		N8-3	501	
NB20324	Advanced Reaction Engineering	TAKAGAKI ATSUSHI	Fall	Tue.	4	S5-5	302	

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC10014	Mathematical Sciences: Algebra	KAJIWARA TAKESHI	Fall	Wed.	3			
NC10021	Mathematical Sciences: Geometry	HONDA ATSUFUMI						No class in even year
NC10031	Mathematical Sciences: Analysis	UEKI SEIICHIRO	Spring	Fri.	2	S5-5	303	
NC10044	Mathematical Sciences: Probability and Statistics	TAKEI MASATO	Spring	Thu.	2	S5-9	102	
NC10051	Mathematical Sciences: Data Sciences	KUROKI MANABU	Spring	Wed.	4	S5-5	207	
NC20021	Nanophysics and Advanced Materials	ICHIYANAGI YUKO , et.al.	Spring	Tue.	3	S5-9	201	
NC20031	Magneto-Science	UEHARA MASATOMO						No class in even year
NC20044	Low temperature physics	SHIMAZU YOSHIHIRO						No class in even year
NC20051	Astroparticle Physics	NAKAMURA SHOGO						No class in even year
NC30014	Energy System	FUJII YASUMASA , et.al.	Spring	Mon.	3	N6-2	404	
NC30024	Signal Theory	SHOUKI HIROKI	Fall	Mon.	4	S5-9	201	
NC30041	VLSI System Design	YOSHIKAWA NOBUYUKI	Spring	Wed.	2			
NC30064	Intelligent Systems	HAMAGAMI TOMOKI	Fall	Tue.	2			
NC30071	Material Integration	MATSUKI TAKEO	Spring	Fri.	5	N6-2	405	
NC30444	Future technologies and perspective based on advanced IT and electronics	YOSHIKAWA NOBUYUKI	Fall	Wed.	4	N6-2	404	

[specialized module]

Mechanical Engineering, Materials Science, and Ocean Engineering

Studio courses

Schedule code	Studio courses name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
(F)NA15101	Design of Processing Systems A	AKINIWA YOSHIAKI , et.al.	Spring	-				
(S)NA15104	Design of Processing Systems A	AKINIWA YOSHIAKI , et.al.	Fall	-				
(F)NA15201	Design of Processing Systems B	AKINIWA YOSHIAKI , et.al.	Spring	-				
(S)NA15204	Design of Processing Systems B	AKINIWA YOSHIAKI , et.al.	Fall	-				
(F)NA15301	Manufacturing of Processing Systems A	AKINIWA YOSHIAKI , et.al.	Spring	-				
(S)NA15304	Manufacturing of Processing Systems A	AKINIWA YOSHIAKI , et.al.	Fall	-				
(F)NA15401	Manufacturing of Processing Systems B	AKINIWA YOSHIAKI , et.al.	Spring	-				
(S)NA15404	Manufacturing of Processing Systems B	AKINIWA YOSHIAKI , et.al.	Fall	-				
(F)NA15501	Design of Thermal and Fluid Systems A	NISHINO KOICHI , et.al.	Spring	-				
(S)NA15504	Design of Thermal and Fluid Systems A	NISHINO KOICHI , et.al.	Fall	-				
(F)NA15601	Design of Thermal and Fluid Systems B	NISHINO KOICHI , et.al.	Spring	-				
(S)NA15604	Design of Thermal and Fluid Systems B	NISHINO KOICHI , et.al.	Fall	-				
(F)NA15701	Manufacturing of Thermal and Fluid Systems A	NISHINO KOICHI , et.al.	Spring	-				
(S)NA15704	Manufacturing of Thermal and Fluid Systems A	NISHINO KOICHI , et.al.	Fall	-				
(F)NA15801	Manufacturing of Thermal and Fluid Systems B	NISHINO KOICHI , et.al.	Spring	-				
(S)NA15804	Manufacturing of Thermal and Fluid Systems B	NISHINO KOICHI , et.al.	Fall	-				
(F)NA15901	Design of Integrated Systems A	SANADA KAZUSHI , et.al.	Spring	-				
(S)NA15904	Design of Integrated Systems A	SANADA KAZUSHI , et.al.	Fall	-				
(F)NA16001	Design of Integrated Systems B	SANADA KAZUSHI , et.al.	Spring	-				
(S)NA16004	Design of Integrated Systems B	SANADA KAZUSHI , et.al.	Fall	-				
(F)NA16101	Manufacturing of Integrated Systems A	SANADA KAZUSHI , et.al.	Spring	-				
(S)NA16104	Manufacturing of Integrated Systems A	SANADA KAZUSHI , et.al.	Fall	-				
(F)NA16201	Manufacturing of Integrated Systems B	SANADA KAZUSHI , et.al.	Spring	-				
(S)NA16204	Manufacturing of Integrated Systems B	SANADA KAZUSHI , et.al.	Fall	-				

Related Lecture courses that make up the module

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NA10024	Turbulence Phenomena	NISHINO KOICHI	Fall	Mon.	1	N6-5	601	
NA10031	Advanced Strength Design	YU QIANG	Spring	Thu.	3	S5-9	301	
NA10054	System modeling and control	SANADA KAZUSHI	Fall	Tue.	2	S5-5	208	
NA10064	Reactive Gas Dynamics	ISHI KAZUHIRO	Fall	Thu.	1	N6-5	601	
NA10084	Mechatronics Design	SATO YASUKAZU	Fall	Wed.	2	S5-8	201	
NA10091	Advanced High-speed Machining	SHINOZUKA JUN	Spring	Wed.	3	N6-5	601	
NA10104	Fracture Mechanics	AKINIWA YOSHIAKI	Fall	Thu.	3	N6-5	601	
NA10121	Advanced Robotics	SUGIUCHI HAJIME	Spring	Mon.	2			
NA10131	Intelligent Robotic Agents	MAEDA YUUSUKE	Spring	Fri.	2	S5-8	202	
NA10144	Continuum Mechanics	OZAKI SHINGO	Fall	Tue.	3	S5-9	102	
NA10154	Applied fluid dynamics	HYAKUTAKE TORU	Fall	Wed.	3	S5-5	207	

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NA10164	Design and Principle of Various Actuators	FUCHIWAKI OHMI	Fall	Thu.	3			
NA10174	Micromachine Engineering	MARUO SHOJI	Fall	Wed.	5	N6-5	206	
NA10184	Combined Heat Transfer	SAKAI SEIGO	Fall	Wed.	4	N6-5	601	
NA10194	Applied Thermofluid Engineering	ARAKI TAKUTO	Fall	Tue.	2			
NA10204	Cyber-Robotics	KATO RYU	Fall	Tue.	4	S5-5	301	
NA10214	Sensor Engineering	HIROKI OTA	Fall	Tue.	2			
NA10221	Compressible Flow	KITAMURA KEIICHI	Spring	Tue.	4	S5-5	301	
NA10231	Design of Energy Machine Systems	KABATA YASUO , et.al.	Spring	Thu.	5	S5-5	203	
NA10244	Multibody Dynamics	HARA KENSUKE	Fall	Tue.	3	N6-5	601	
NA10254	Precision engineering	INOUE FUMIHIRO	Fall	Wed.	1			
NA10264	Thermal energy conversion engineering	KUROSE KIZUKU	Fall	Thu.	3	S5-5	206	
NA10274	Mechanical Engineering Informatics	FUJISAWA KEI	Fall	Wed.	3	S5-9	102	
NA20014	Introduction to Materials for Electronics and Optoelectronics	MUKAI KOKI	Fall	Tue.	2			
NC10014	Mathematical Sciences: Algebra	KAJIWARA TAKESHI	Fall	Wed.	3			
(S)NA19811	Internship in Mechanical Engineering L	Each Instructor of Mechanical Engineering	Spring	Intensive course				
(F)NA19814	Internship in Mechanical Engineering L	Each Instructor of Mechanical Engineering	Fall	Intensive course				
(S)NA19821	Internship in Mechanical Engineering M	Each Instructor of Mechanical Engineering	Spring	Intensive course				
(F)NA19824	Internship in Mechanical Engineering M	Each Instructor of Mechanical Engineering	Fall	Intensive course				
(S)NA19831	Internship in Mechanical Engineering S	Each Instructor of Mechanical Engineering	Spring	Intensive course				
(F)NA19834	Internship in Mechanical Engineering S	Each Instructor of Mechanical Engineering	Fall	Intensive course				

Studio courses

Schedule code	Studio courses name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
(S)NA25101	Materials Design Studio	UMEZAWA OSAMU , et.al.	Spring	Mon.	1			
(F)NA25104	Materials Design Studio	UMEZAWA OSAMU , et.al.	Fall	Mon.	1			
(S)NA25201	Materials Fabrication Studio	NAKAO WATARU , et.al.	Spring	Mon.	2			
(F)NA25204	Materials Fabrication Studio	NAKAO WATARU , et.al.	Fall	Mon.	2			
(S)NA25301	Microstructure Control Studio	UMEZAWA OSAMU , et.al.	Spring	Wed.	2			
(F)NA25304	Microstructure Control Studio	UMEZAWA OSAMU , et.al.	Fall	Wed.	2			
(S)NA25401	Material Characteristics Studio	MUKAI KOKI , et.al.	Spring	Fri.	1			
(F)NA25404	Material Characteristics Studio	MUKAI KOKI , et.al.	Fall	Fri.	1			
(S)NA25501	Materials Engineering R&D Studio A	UMEZAWA OSAMU , et.al.	Spring	Fri.	5			
(F)NA25504	Materials Engineering R&D Studio A	UMEZAWA OSAMU , et.al.	Fall	Fri.	5			
(S)NA25601	Materials Engineering R&D Studio B	UMEZAWA OSAMU , et.al.	Spring	Wed.	4			
(F)NA25604	Materials Engineering R&D Studio B	UMEZAWA OSAMU , et.al.	Fall	Wed.	4			

Related Lecture courses that make up the module

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NA20031	Orientation Analysis on Deformation and Fracture in Polycrystalline Material	UMEZAWA OSAMU	1 st Term	Tue.	1 · 2	N6-5	421	
NA20041	Material Forming Process	MAENO TOMOYOSHI	Spring	Wed.	3			
NA20051	Diffusional Transformations in Solids	HIROSAWA SHOICHI	Spring	Thu.	2	N6-5	421	
NA20064	Solid State Physics	NAKATSUGAWA HIROSHI	Fall	Thu.	2			
NA20084	Design and Engineering of High-Temperature Structural Materials	TODA YOSHIAKI	Fall	Mon.	3			
NA20111	Advanced Strength and Fracture of Materials	HASEGAWA MAKOTO	Spring	Tue.	4	N6-5	421	
NA20124	Introduction to nanomaterials engineering	Mitsuru Ohtake	5 th Term	Fri.	3 · 4			
NA20134	Advanced structural materials' design and application	UMEZAWA OSAMU , et.al.	4 th Term	Fri.	3 · 4	N6-5	421	
NA20142	Introduction to Instrumental Techniques for Materials Characterization	ONO NAOKO	2 nd Term	Tue.	1 · 2	N6-5	421	
NA20154	Special Lecture on Heat Resistant Material Strength	OSADA TOSHIO	Fall	Wed.	3			
(S)NA29811	Internship in Materials Engineering L	UMEZAWA OSAMU , et.al.	Spring	Intensive course				
(F)NA29814	Internship in Materials Engineering L	UMEZAWA OSAMU , et.al.	Fall	Intensive course				
(S)NA29821	Internship in Materials Engineering M	UMEZAWA OSAMU , et.al.	Spring	Intensive course				
(F)NA29824	Internship in Materials Engineering M	UMEZAWA OSAMU , et.al.	Fall	Intensive course				
(S)NA29831	Internship in Materials Engineering S	UMEZAWA OSAMU , et.al.	Spring	Intensive course				
(F)NA29834	Internship in Materials Engineering S	UMEZAWA OSAMU , et.al.	Fall	Intensive course				

Studio courses

Schedule code	Studio courses name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
(S)NA35101	Studio of Fluid Dynamics for Ocean-Space A	YOUHEI TAKAGI , et.al.	Spring	-				
(F)NA35104	Studio of Fluid Dynamics for Ocean-Space A	YOUHEI TAKAGI , et.al.	Fall	-				
(S)NA35201	Studio of Fluid Dynamics for Ocean-Space B	YOUHEI TAKAGI , et.al.	Spring	-				
(F)NA35204	Studio of Fluid Dynamics for Ocean-Space B	YOUHEI TAKAGI , et.al.	Fall	-				
(S)NA35301	Studio of Structural Mechanics for Ocean-Space A	OKADA TETSUO , et.al.	Spring	-				
(F)NA35304	Studio of Structural Mechanics for Ocean-Space A	OKADA TETSUO , et.al.	Fall	-				
(S)NA35401	Studio of Structural Mechanics for Ocean-Space B	OKADA TETSUO , et.al.	Spring	-				
(F)NA35404	Studio of Structural Mechanics for Ocean-Space B	OKADA TETSUO , et.al.	Fall	-				
(S)NA35501	Studio for ocean space utilization A	MURAI MOTOHIKO , et.al.	Spring	-				
(F)NA35504	Studio for ocean space utilization A	MURAI MOTOHIKO , et.al.	Fall	-				
(S)NA35601	Studio for ocean space utilization B	MURAI MOTOHIKO , et.al.	Spring	-				
(F)NA35604	Studio for ocean space utilization B	MURAI MOTOHIKO , et.al.	Fall	-				
(S)NA35701	Studio of Maritime Frontier Science A	KAWAMURA YASUMI , et.al.	Spring	-				
(F)NA35704	Studio of Maritime Frontier Science A	KAWAMURA YASUMI , et.al.	Fall	-				
(S)NA35801	Studio of Maritime Frontier Science B	KAWAMURA YASUMI , et.al.	Spring	-				
(F)NA35804	Studio of Maritime Frontier Science B	KAWAMURA YASUMI , et.al.	Fall	-				
(S)NA35901	Studio of R&D in Ocean-Space Engineering A	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA35904	Studio of R&D in Ocean-Space Engineering A	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA36001	Studio of R&D in Ocean-Space Engineering B	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA36004	Studio of R&D in Ocean-Space Engineering B	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				

Related Lecture courses that make up the module

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NA30041	Exercises in Computational Structural Analysis	KAWAMURA YASUMI	Spring	Wed.	1	S5-5	307	
NA30051	Introduction to Engineering Turbulence	YOUHEI TAKAGI	Spring	Thu.	2	N10-1	302	
NA30061	Aerospace Utilization Engineering	HIGUCHI TAKEHIRO	Spring	Thu.	2	S5-5	302	
NA30071	Ship and Marine Structural Design Methodologies	OKADA TETSUO	Spring	Mon.	2			
NA30084	Theory in Dynamics of Floating Bodies Engineering	MURAI MOTOHIKO	Fall	Tue.	2	S7-5	811	
NA30091	Engineering for Ocean Development	OTSUBO KAZUHISA	Spring	Wed.	3・4	N10-1	212	
NA30101	Maritime Traffic Safety	ITO HIROKO , et.al.						No class in even year
NA30114	Rule Making Procedures through Risk-Based Approaches	YOSHIDA KOICHI , et.al.	Fall	Fri.	4	S5-5	306	
NA30121	Advanced Study of the Ocean Industry		Spring	Tue.	4	N10-1	302	
(S)NA30131	Special Lecture on Ocean and Space Engineering A	OKADA TETSUO , et.al.	Spring	-				
(F)NA30134	Special Lecture on Ocean and Space Engineering A	OKADA TETSUO , et.al.	Fall	-				
(S)NA30141	Special Lecture on Ocean and Space Engineering B	OKADA TETSUO , et.al.	Spring	-				
(F)NA30144	Special Lecture on Ocean and Space Engineering B	OKADA TETSUO , et.al.	Fall	-				
(S)NA30151	Special Lecture on Ocean and Space Engineering C	OKADA TETSUO , et.al.	Spring	-				
(F)NA30154	Special Lecture on Ocean and Space Engineering C	OKADA TETSUO , et.al.	Fall	-				
(S)NA30161	Special Lecture on Ocean and Space Engineering D	OKADA TETSUO , et.al.	Spring	-				
(F)NA30164	Special Lecture on Ocean and Space Engineering D	OKADA TETSUO , et.al.	Fall	-				
NA30171	BJ Collaborative Special lecture on Naval Architecture and Offshore Engineering A	MURAI MOTOHIKO , et.al.	Spring	Wed.	6			

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NA30181	BJ Collaborative Special lecture on Naval Architecture and Offshore Engineering B	MURAI MOTOHIKO , et.al.	Spring	Fri.	6			No class in AY2024
NA30194	BJ Collaborative Special lecture on Naval Architecture and Offshore Engineering C	MURAI MOTOHIKO , et.al.	Fall	-				
NA30204	BJ Collaborative Special lecture on Naval Architecture and Offshore Engineering D	MURAI MOTOHIKO , et.al.	Fall	-				No class in AY2024
NA30224	Aircraft Aerodynamic Design	MIYAJI KOJI	Fall	Fri.	2	S5-5	301	
NA30231	Space Environment Utilization Science	NATSUISAKA MAKOTO	Spring	Mon.	4・5	S7-5	306	No class in AY2024
NA30241	Advanced theory of space system	MAEJIMA HIRONORI	Spring	Mon.	4・5	S7-5	306	
NA30254	Systems Engineering Theory of Ship Design	Taiga Mitsuyuki	Fall	Wed.	2			
NA30264	Floating Body Hydrodynamics	LI QIAO	Fall	Thu.	2	S5-5	301	
(S)NA31101	Exercise in Ocean and Space Engineering System A	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA31104	Exercise in Ocean and Space Engineering System A	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA31201	Exercise in Ocean and Space Engineering System B	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA31204	Exercise in Ocean and Space Engineering System B	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA31501	Industrial Training in Ocean and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA31504	Industrial Training in Ocean and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				
(S)NA31601	Overseas Training in Marine and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA31604	Overseas Training in Marine and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA31701	Practical Engineering Training in Ocean-Space	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA31704	Practical Engineering Training in Ocean-Space	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA39811	Inntership in Ocean and Space System Engineering L	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA39814	Inntership in Ocean and Space System Engineering L	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				
(S)NA39821	Inntership in Ocean and Space System Engineering M	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA39824	Inntership in Ocean and Space System Engineering M	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				
(S)NA39831	Inntership in Ocean and Space System Engineering S	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA39834	Inntership in Ocean and Space System Engineering S	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				

Studio courses

Schedule code	Studio courses name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
(S)NA36101	Studio of Aerospace System A	Each Instructor of Aerospace Engineering , et.al.	Spring	-				
(F)NA36104	Studio of Aerospace System A	Each Instructor of Aerospace Engineering , et.al.	Fall	-				
(S)NA36201	Studio of Aerospace System B	Each Instructor of Aerospace Engineering , et.al.	Spring	-				
(F)NA36204	Studio of Aerospace System B	Each Instructor of Aerospace Engineering , et.al.	Fall	-				

Related Lecture courses that make up the module

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NA10064	Reactive Gas Dynamics	ISHI KAZUHIRO	Fall	Thu.	1	N6-5	601	
NA10074	Space Propulsion Engineering	YOSHINORI TAKAO	Fall	Tue.	3	S5-8	201	
NA20111	Advanced Strength and Fracture of Materials	HASEGAWA MAKOTO	Spring	Tue.	4	N6-5	421	
NA10221	Compressible Flow	KITAMURA KEIICHI	Spring	Tue.	4	S5-5	301	
(S)NA19811	Internship in Mechanical Engineering L	Each Instructor of Mechanical Engineering	Spring	Intensive course				
(F)NA19814	Internship in Mechanical Engineering L	Each Instructor of Mechanical Engineering	Fall	Intensive course				
(S)NA19821	Internship in Mechanical Engineering M	Each Instructor of Mechanical Engineering	Spring	Intensive course				
(F)NA19824	Internship in Mechanical Engineering M	Each Instructor of Mechanical Engineering	Fall	Intensive course				
(S)NA19831	Internship in Mechanical Engineering S	Each Instructor of Mechanical Engineering	Spring	Intensive course				
(F)NA19834	Internship in Mechanical Engineering S	Each Instructor of Mechanical Engineering	Fall	Intensive course				
(S)NA29811	Internship in Materials Engineering L	UMEZAWA OSAMU , et.al.	Spring	Intensive course				
(F)NA29814	Internship in Materials Engineering L	UMEZAWA OSAMU , et.al.	Fall	Intensive course				
(S)NA29821	Internship in Materials Engineering M	UMEZAWA OSAMU , et.al.	Spring	Intensive course				
(F)NA29824	Internship in Materials Engineering M	UMEZAWA OSAMU , et.al.	Fall	Intensive course				
(S)NA29831	Internship in Materials Engineering S	UMEZAWA OSAMU , et.al.	Spring	Intensive course				
(F)NA29834	Internship in Materials Engineering S	UMEZAWA OSAMU , et.al.	Fall	Intensive course				
NA30061	Aerospace Utilization Engineering	HIGUCHI TAKEHIRO	Spring	Thu.	2	S5-5	302	
NA30224	Aircraft Aerodynamic Design	MIYAJI KOJI	Fall	Fri.	2	S5-5	301	
NA30231	Space Environment Utilization Science	NATSUISAKA MAKOTO	Spring	Mon.	4・5	S7-5	306	
NA30241	Advanced theory of space system	MAEJIMA HIRONORI	Spring	Mon.	4・5	S7-5	306	
(S)NA31501	Industrial Training in Ocean and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA31504	Industrial Training in Ocean and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				
(S)NA31601	Overseas Training in Marine and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA31604	Overseas Training in Marine and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA31701	Practical Engineering Training in Ocean-Space	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	-				
(F)NA31704	Practical Engineering Training in Ocean-Space	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	-				
(S)NA39811	Inntership in Ocean and Space System Engineering L	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA39814	Inntership in Ocean and Space System Engineering L	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				
(S)NA39821	Inntership in Ocean and Space System Engineering M	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA39824	Inntership in Ocean and Space System Engineering M	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				
(S)NA39831	Inntership in Ocean and Space System Engineering S	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	Intensive course				
(F)NA39834	Inntership in Ocean and Space System Engineering S	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	Intensive course				

[specialized module]

Chemistry and Life Science

Studio courses

Schedule code	Studio courses name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB25101	Advanced Chemical Process Analysis Studio S	KANAI TOSHIMITSU , et.al.	Spring	-				
NB25204	Advanced Chemical Process Analysis Studio F	KANAI TOSHIMITSU , et.al.	Fall	-				
NB25301	New Generation Chemical Process Engineering Studio S	KANAI TOSHIMITSU , et.al.	Spring	-				
NB25404	New Generation Chemical Process Engineering Studio F	KANAI TOSHIMITSU , et.al.	Fall	-				
NB25501	Exercise in Analysis for Energy Creation S	TAKAHASHI KOJI , et.al.	Spring	-				
NB25604	Exercise in Analysis for Energy Creation F	TAKAHASHI KOJI , et.al.	Fall	-				
NB25701	Exercise in Technology for Energy Creation S	TAKAHASHI KOJI , et.al.	Spring	-				
NB25804	Exercise in Technology for Energy Creation F	TAKAHASHI KOJI , et.al.	Fall	-				
NB25901	Analysis Studio S in Biotechnologies and Life Sciences	TAKEDA MINORU , et.al.	Spring	-				
NB26004	Analysis Studio F in Biotechnologies and Life Sciences	TAKEDA MINORU , et.al.	Fall	-				
NB26101	Synthesis Studio S in Biotechnologies and Life Sciences	TAKEDA MINORU , et.al.	Spring	-				
NB26204	Synthesis Studio F in Biotechnologies and Life Sciences	TAKEDA MINORU , et.al.	Fall	-				

Related Lecture courses that make up the module

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB10214	Structural Biology	CHOJIRO KOJIMA						No class in even year
NB20024	Advanced Heat Transfer	MUROMACHI SANEHIRO	Fall	Wed.	2	N8-5	214	
NB20051	Basic Energy Chemistry	MITSUSHIMA SHIGENORI , et.al.	Spring	Wed.	1	N8-3	501	
NB20064	Materials Science for Energy Conversion	MATSUZAWA KOICHI	Fall	Tue.	2	N8-3	502	
NB20071	Functional Genome Science	KURIHARA YASUYUKI	Fall	Thu.	2			
NB20084	Materials for Strength Components	TAKAHASHI KOJI						No class in even year
NB20104	Environmental Separation Engineering	NAKAMURA KAZUHO , et.al.	Fall	Thu.	5	N8-5	313	
NB20114	Introduction to Energy Value Chain System	MUGIKURA YOSHIHIRO	Fall	Fri.	1	N8-3	501	
NB20124	Fuel Cell Technology	MORITA HIROSHI	Fall	Thu.	4	N8-3	501	
NB20131	Ceramics and Energy Technologies	YAMAMOTO TOHRU	Spring	Fri.	1	N8-3	501	
NB20141	Developmental Engineering	SUZUKI ATSUSHI	Spring	Intensive course				
NB20151	Risk Analysis	SUYAMA KOICHI , et.al.	Spring	Tue.	3	S5-5	101	
NB20164	Recurrent Education for Engineering	OKAZAKI SHINJI						No class in even year

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB20191	Microbial Biotechnology	TAKEDA MINORU	Fall	Wed.	4			
NB20204	Medical Engineering	Kazutoshi Iijima						No class in even year
NB20211	Technology-Development & Society	KANAI TOSHIMITSU	Spring	Mon.		S5-8	202	
NB20221	Physical Chemistry for Environmental Sciences	YOSHITAKE HIDEAKI	Spring	Fri.	4			
NB20231	Problem-Based Learning in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Spring	Thu.	4	N8-3	501	
NB20254	Functional Materials Science	KANAI TOSHIMITSU	Fall	Tue.	3			
NB20261	Tissue Engineering and Regenerative Medicine	FUKUDA JUNJI						No class in even year
NB20284	Mixing for Chemical Engineering	MISUMI RYUTA						No class in even year
NB20311	Data Science for Materials	YAMAMOTO HIROSHI	Spring	Tue.	5	N8-5	214	
(S)NB29811	Internship L in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Spring	Intensive course				
(F)NB29814	Internship L in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Fall	Intensive course				
(S)NB29821	Internship M in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Spring	Intensive course				
(F)NB29824	Internship M in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Fall	Intensive course				
(S)NB29831	Internship S in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Spring	Intensive course				
(F)NB29834	Internship S in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Fall	Intensive course				

【specialized module】

Mathematics, Physics, Electrical Engineering and Computer Science

Studio courses

Schedule code	Studio courses name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC38101	Advanced controll and energy system design S	AKATSU KAN , et.al.	Spring	-				
NC38204	Advanced controll and energy system design F	AKATSU KAN , et.al.	Fall	-				
NC38301	Advanced controll and energy system demonstration S	AKATSU KAN , et.al.	Spring	-				
NC38404	Advanced controll and energy system demonstration F	AKATSU KAN , et.al.	Fall	-				
NC38501	Advanced integrated system design S	ARAKAWA TARO , et.al.	Spring	-				
NC38604	Advanced integrated system design F	ARAKAWA TARO , et.al.	Fall	-				
NC38701	Advanced integrated system analysis S	ARAKAWA TARO , et.al.	Spring	-				
NC38804	Advanced integrated system analysis F	ARAKAWA TARO , et.al.	Fall	-				
NC38901	Advanced electromagnetic wave analysis S	ARAI HIROYUKI , et.al.	Spring	-				
NC39004	Advanced electromagnetic wave analysis F	ARAI HIROYUKI , et.al.	Fall	-				
NC39101	Advanced electromagnetic wave design S	ARAI HIROYUKI , et.al.	Spring	-				
NC39204	Advanced electromagnetic wave design F	ARAI HIROYUKI , et.al.	Fall	-				
NC39301	Advanced information system I-S	ISHIKAWA NAOKI , et.al.	Spring	-				
NC39404	Advanced information system I-F	ISHIKAWA NAOKI , et.al.	Fall	-				
NC39501	Advanced information system II-S	ISHIKAWA NAOKI , et.al.	Spring	-				
NC39604	Advanced information system II-F	ISHIKAWA NAOKI , et.al.	Fall	-				

Related Lecture courses that make up the module

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC30091	Digital Circuit Theory	ICHIGE KOICHI	Spring	Thu.	2	S5-5	104	
NC30101	Nano photonics	NISHIJIMA YOSHIAKI	Spring	Wed.	1	N6-2	402	
NC30114	Advanced Discrete Systems	FUJIMOTO YASUTAKA	Fall	Wed.	2	N6-2	404	
NC30121	Photonics Theory	BABA TOSHIHIKO	Spring	Tue.	1	N6-2	403	
NC30164	Semiconductor Optoelectronics	ARAKAWA TARO						No class in even year

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC30171	Information & Communications Infrastructure	SOICHI WATANABE	Spring	Intensive course				
NC30184	Multimedia Mobile Communication Networks	HIROYUKI TSUJI	Fall	Wed.	1			
NC30191	Microwave Engineering	KUGA NOBUHIRO	Spring	Thu.	1	N6-2	404	
NC30211	Advanced Electromagnetism	KUMADA AKIKO	Spring	Mon.	4 · 5			
NC30234	CMOS Analog Circuit Design	OGAWA ATSUSHI	Fall	Fri.	4	N6-2	405	
NC30241	Integrated Nanodevices	OYA TAKAHIDE	Spring	Mon.	2	N6-2	403	
NC30254	Advanced Electronic Devices	TAKEMURA YASUSHI	Fall	Thu.	2			
NC30271	A Basis of Smartgrid Technology	TSUJI TAKAO	Spring	Thu.	1	N6-2	405	
NC30281	Superconducting Electronics	YAMANASHI YUKI	Spring	Fri.	1	N6-2	405	
NC30294	Measurement of Mobile Antenna Systems	ARAI HIROYUKI						No class in even year
NC30301	Motion Control Systems	SHIMONO TOMOYUKI	Spring	Mon.	2	N6-2	404	
NC30381	Multimedia Wireless Communication Networks	RI KANHOU	Spring	Fri.	4			
NC30391	Spintronics	SEKIGUCHI KOJI	Spring	Thu.	2	N6-2	404	
NC30404	Human Sensing Engineering	SUGIMOTO CHIKA						No class in even year
NC30411	Electrical-Mechanical Energy Conversion	AKATSU KAN	Spring	Tue.	2	N6-2	405	
NC30421	Metaheuristics	NAKATA MASAYA	Spring	Wed.	2	N6-2	404	
NC30454	Wireless Communication Theory	ISHIKAWA NAOKI	Fall	Thu.	1	Not yet fixed		
NC30464	Multimodal Social Signal Processing	OTSUKA KAZUHIRO	Fall	Fri.	2	Not yet fixed		
NC30474	Sensing Photonics	YOSUKE MIZUNO	Fall	Mon.	2	Not yet fixed		
(S)NC39811	Overseas Internships in Applied Physics L	Each Instructor of Applied Physics	Spring	Intensive course				
(F)NC39814	Overseas Internships in Applied Physics L	Each Instructor of Applied Physics	Fall	Intensive course				
(S)NC39821	Overseas Internships in Applied Physics M	Each Instructor of Applied Physics	Spring	Intensive course				
(F)NC39824	Overseas Internships in Applied Physics M	Each Instructor of Applied Physics	Fall	Intensive course				
(S)NC39831	Overseas Internships in Applied Physics S	Each Instructor of Applied Physics	Spring	Intensive course				
(F)NC39834	Overseas Internships in Applied Physics S	Each Instructor of Applied Physics	Fall	Intensive course				
(S)NC39841	Overseas Internships in Information Systems L	Each Instructor fo Information Systems	Spring	Intensive course				
(F)NC39844	Overseas Internships in Information Systems L	Each Instructor fo Information Systems	Fall	Intensive course				
(S)NC39851	Overseas Internships in Information Systems M	Each Instructor fo Information Systems	Spring	Intensive course				
(F)NC39854	Overseas Internships in Information Systems M	Each Instructor fo Information Systems	Fall	Intensive course				
(S)NC39861	Overseas Internships in Information Systems S	Each Instructor fo Information Systems	Spring	Intensive course				
(F)NC39864	Overseas Internships in Information Systems S	Each Instructor fo Information Systems	Fall	Intensive course				
(S)NC39871	Overseas Internships in Electrical and Computer Engineering L	Each Instructor of Electrical and Computer Engineering	Spring	Intensive course				
(F)NC39874	Overseas Internships in Electrical and Computer Engineering L	Each Instructor of Electrical and Computer Engineering	Fall	Intensive course				
(S)NC39881	Overseas Internships in Electrical and Computer Engineering M	Each Instructor of Electrical and Computer Engineering	Spring	Intensive course				
(F)NC39884	Overseas Internships in Electrical and Computer Engineering M	Each Instructor of Electrical and Computer Engineering	Fall	Intensive course				
(S)NC39891	Overseas Internships in Electrical and Computer Engineering S	Each Instructor of Electrical and Computer Engineering	Spring	Intensive course				
(F)NC39894	Overseas Internships in Electrical and Computer Engineering S	Each Instructor of Electrical and Computer Engineering	Fall	Intensive course				