

2024 Timetables

<Master's Program TED / PSD / Sciences 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.	1st Term	Mon.	4・5	S5-9	102	
N000151	Innovation and Challenges II	OTSUKA KAZUHIRO , et.al.	2nd 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	
(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	MITSUSHIMA SHIGENORI , et.al.	3rd 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	

Mechanical Engineering, Materials Science, and Ocean Engineering

【major courses】

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
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	
NA10221	Compressible Flow	KITAMURA KEIICHI	Spring	Tue.	4	S5-5	301	
NA10244	Multibody Dynamics	HARA KENSUKE	Fall	Tue.	3	N6-5	601	
NA20031	Orientation Analysis on Deformation and Fracture in Polycrystalline Material	UMEZAWA OSAMU	1st Term	Tue.	1・2	N6-5	421	
NA20041	Material Forming Process	MAENO TOMOYOSHI	Spring	Wed.	3			
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	

【specialized courses】

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	
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	
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			
NA10231	Design of Energy Machine Systems	KABATA YASUO , et.al.	Spring	Thu.	5	S5-5	203	
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	
(S)NA11101	Seminar in Mechanical Engineering A	Each Instructor of Mechanical Engineering	Spring	Mon.	3			
(F)NA11104	Seminar in Mechanical Engineering A	Each Instructor of Mechanical Engineering	Fall	Mon.	3			
(S)NA11201	Seminar in Mechanical Engineering B	Each Instructor of Mechanical Engineering	Spring	Mon.	3			
(F)NA11204	Seminar in Mechanical Engineering B	Each Instructor of Mechanical Engineering	Fall	Mon.	3			
(S)NA11301	Seminar in Mechanical Engineering C	Each Instructor of Mechanical Engineering	Spring	Mon.	5			
(F)NA11304	Seminar in Mechanical Engineering C	Each Instructor of Mechanical Engineering	Fall	Mon.	5			

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
(S)NA11401	Seminar in Mechanical Engineering D	Each Instructor of Mechanical Engineering	Spring	Mon.	5			
(F)NA11404	Seminar in Mechanical Engineering D	Each Instructor of Mechanical Engineering	Fall	Mon.	5			
(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
NA20051	Diffusional Transformations in Solids	HIROSAWA SHOICHI	Spring	Thu.	2	N6-5	421	
NA20064	Solid State Physics	NAKATSUGAWA HIROSHI	Fall	Thu.	2			
NA20074	Advanced Materials Engineering	UMEZAWA OSAMU , et.al.	Fall	Tue.	5	N6-5	421	
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)NA21101	Exercise in Materials Engineering A	UMEZAWA OSAMU , et.al.	Spring	Mon.	4			
(F)NA21104	Exercise in Materials Engineering A	UMEZAWA OSAMU , et.al.	Fall	Mon.	4			
(S)NA21201	Exercise in Materials Engineering B	UMEZAWA OSAMU , et.al.	Spring	Tue.	5			
(F)NA21204	Exercise in Materials Engineering B	UMEZAWA OSAMU , et.al.	Fall	Tue.	5			
(S)NA21301	Exercise in Materials Engineering C	UMEZAWA OSAMU , et.al.	Spring	Wed.	5			
(F)NA21304	Exercise in Materials Engineering C	UMEZAWA OSAMU , et.al.	Fall	Wed.	5			
(S)NA21401	Exercise in Materials Engineering D	UMEZAWA OSAMU , et.al.	Spring	Thu.	6			
(F)NA21404	Exercise in Materials Engineering D	UMEZAWA OSAMU , et.al.	Fall	Thu.	6			
(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
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)NA31301	Exercise in Systems Design for Ocean-Space C	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	.				
(F)NA31304	Exercise in Systems Design for Ocean-Space C	Each Instructor of Systems Design for Ocean-Space , et.al.	Fall	.				
(S)NA31401	Exercise in Systems Design for Ocean-Space D	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	.				
(F)NA31404	Exercise in Systems Design for Ocean-Space D	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)NA31801	Practical Training in Ocean and Space System Engineering	Each Instructor of Systems Design for Ocean-Space , et.al.	Spring	.				
(F)NA31804	Practical Training in Ocean and Space System Engineering	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				
(S)NA41101	Exercise in Aerospace Engineering C	Each Instructor of Aerospace Engineering	Spring	.				
(F)NA41104	Exercise in Aerospace Engineering C	Each Instructor of Aerospace Engineering	Fall	.				
(S)NA41201	Exercise in Aerospace Engineering D	Each Instructor of Aerospace Engineering	Spring	.				
(F)NA41204	Exercise in Aerospace Engineering D	Each Instructor of Aerospace Engineering	Fall	.				

Chemistry and Life Science

【major courses】

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB10081	Photophysics and Photochemistry	KIKUCHI AZUSA	Spring	Mon.	4	S7-6	108	
NB10091	Biophysical Chemistry	KAWAMURA IZURU	Spring	Tue.	2	S5-9	102	
NB10104	Metal Coordination Chemistry	YOSHITAKA YAMAGUCHI						No class in even year
NB10111	Advanced Study on Career Design (PSD)	MANAKA YUICHI , et.al.	Spring	Intensive course				
NB10124	Chemistry of Electron Transfer Reactions	DOKKO KAORU , et.al.	Fall	Tue.	2	S5-5	104	
NB10141	Catalytic reaction engineering	INAGAKI SATOSHI						No class in even year
NB20051	Basic Energy Chemistry	MITSUBISHI 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				

【specialized courses】

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB10151	Advanced Course on Organic Electrochemistry	ATOBE MAHITO						No class in even year
NB10171	Chemistry of Photoreactive Materials	UBUKATA TAKASHI						No class in even year
NB10201	Advanced Physical Organic Chemistry	GOTO HIROAKI						No class in even year
NB10214	Structural Biology	CHOJIRO KOJIMA						No class in even year
NB10241	Fine Synthetic Organic Chemistry	ITO SUGURU						No class in even year
NB10261	Chemistry of π -electron materials	KOKUBO HISASHI	Spring	Fri.	1	S7-6	207	
NB10274	Catalysis for Environmental Protection	MOTOKURA KEN	Fall	Thu.	5	S5-5	104	
NB11101	Exercise in Chemistry S	Each Instructor of Chemistry	Spring	Tue.	5			
NB11204	Exercise in Chemistry F	Each Instructor of Chemistry	Fall	Tue.	5			
NB11301	Exercise in Chemistry S (PSD)	Each Instructor of Chemistry	Spring	Tue.	5			
NB11404	Exercise in Chemistry F (PSD)	Each Instructor of Chemistry	Fall	Tue.	5			

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB11504	Advanced Laboratory in Chemistry (PSD)	Each Instructor of Chemistry	Fall	Thu.	5			
NB11601	Off-Campus Exercise in Chemistry (PSD)	Each Instructor of Chemistry	Spring	Intensive course				
NB11604	Off-Campus Exercise in Chemistry (PSD)	Each Instructor of Chemistry	Fall	Intensive course				
NB11701	Exercise for Effective Presentation in Chemistry (PSD)	Each Instructor of Chemistry	Spring	Intensive course				
NB11801	Exercise in Chemistry S (TED)	Each Instructor of Applied Chemistry	Spring	Tue.	5			
NB11904	Exercise in Chemistry F (TED)	Each Instructor of Applied Chemistry	Fall	Tue.	5			
NB12004	Advanced Laboratory in Chemistry (TED)	Each Instructor of Chemistry	Fall	Thu.	5			
NB12101	Off-Campus Exercise in Chemistry (TED)	Each Instructor of Chemistry	Spring	Intensive course				
NB12104	Off-Campus Exercise in Chemistry (TED)	Each Instructor of Chemistry	Fall	Intensive course				
NB12201	Exercise for Effective Presentation in Chemistry (TED)	Each Instructor of Chemistry	Spring	.				
NB12301	Exercise in Energy and Sustainable Chemistry BS	ATOBE MAHITO , et.al.	Spring	Tue.	5			
NB12404	Exercise in Energy and Sustainable Chemistry BF	ATOBE MAHITO , et.al.	Fall	Tue.	5			
(S)NB19811	Internship in Chemistry L	Each Instructor of Chemistry	Spring	Intensive course				
(F)NB19814	Internship in Chemistry L	Each Instructor of Chemistry	Fall	Intensive course				
(S)NB19821	Internship in Chemistry M	Each Instructor of Chemistry	Spring	Intensive course				
(F)NB19824	Internship in Chemistry M	Each Instructor of Chemistry	Fall	Intensive course				
(S)NB19831	Internship in Chemistry S	Each Instructor of Chemistry	Spring	Intensive course				
(F)NB19834	Internship in Chemistry S	Each Instructor of Chemistry	Fall	Intensive course				
(S)NB19841	Oversea Internship in Chemistry L	Each Instructor of Chemistry	Spring	Intensive course				
(F)NB19844	Oversea Internship in Chemistry L	Each Instructor of Chemistry	Fall	Intensive course				
(S)NB19851	Oversea Internship in Chemistry M	Each Instructor of Chemistry	Spring	Intensive course				
(F)NB19854	Oversea Internship in Chemistry M	Each Instructor of Chemistry	Fall	Intensive course				
(S)NB19861	Oversea Internship in Chemistry S	Each Instructor of Chemistry	Spring	Intensive course				
(F)NB19864	Oversea Internship in Chemistry S	Each Instructor of Chemistry	Fall	Intensive course				
NB20024	Advanced Heat Transfer	MUROMACHI SANEHIRO	Fall	Wed.	2	N8-5	214	
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
NB20284	Mixing for Chemical Engineering	MISUMI RYUTA						No class in even year
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
NB20311	Data Science for Materials	YAMAMOTO HIROSHI	Spring	Tue.	5	N8-5	214	
NB21101	Seminar A in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Spring	Tue.	6			
NB21204	Seminar B in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Fall	Wed.	6			

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NB21301	Seminar C in Chemistry Applications and Life Science	KURIHARA YASUYUKI , et.al.	Spring	Thu.	6			
NB21404	Seminar D in Chemistry Applications and Life Science	KURIHARA YASUYUKI , et.al.	Fall	Fri.	6			
NB21504	Advanced Laboratory in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Fall	Thu.	6			
NB21601	Off-Campus Exercise in Chemistry Applications and Life Science	Each Instructor of Chemistry Applications and Life Science	Spring	Mon.	6			
NB21701	Seminar AS in Energy Chemistry	OKAZAKI SHINJI , et.al.	Spring	Thu.	6			
NB21804	Seminar AF in Energy Chemistry	OKAZAKI SHINJI , et.al.	Fall	Fri.	6			
(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				

Mathematics, Physics, Electrical Engineering and Computer Science

【major courses】

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC10064	Advanced Mathematical Sciences: Algebra	KAJIWARA TAKESHI						No class in even year
NC10071	Advanced Mathematical Sciences: Geometry	HONDA ATSUFUMI	Spring	Tue.	2	S5-5	306	
NC10081	Advanced Mathematical Sciences: Analysis	UEKI SEIICHIRO						No class in even year
NC10091	Advanced Mathematical Sciences: Probability A	0	Spring	Thu.	2			No class in AY2024
NC10104	Advanced Mathematical Sciences: Probability B	TAKEI MASATO						No class in even year
NC10114	Advanced Mathematical Sciences: Statistics	KUROKI MANABU	Fall	Wed.	5	S5-8	202	
NC20071	Quantum Information Physics	KOSAKA HIDEO , et.al.	Spring	Wed.	2	S9-1	701	
NC20084	Introduction to Advanced Laser Spectroscopy	TAKEDA JUN , et.al.	Fall	Thu.	1	S9-1	701	
NC20101	Many Electron Theory	HANNES RAEBIGER	Spring	Wed.	1	S9-1	701	
NC20114	Introduction to Neutrino Physics	MINAMINO AKIHIRO						No class in even year
NC20221	Introduction to Atomic and Optical Physics	AKAMATSU DAISUKE , et.al.	Spring	Mon.	2	S9-1	701	
NC20244	Introduction to Light-Matter Interaction	BAMBA MOTOAKI						No class in even year
(S)NC21101	Seminar for Physical Education	SEKIYA TAKAO	Spring	Tue.	4			
(F)NC21104	Seminar for Physical Education	SEKIYA TAKAO	Fall	Tue.	4			
(S)NC21201	Practice for Physical Education	SEKIYA TAKAO	Spring	Tue.	5			
(F)NC21204	Practice for Physical Education	SEKIYA TAKAO	Fall	Tue.	5			
NC30091	Digital Circuit Theory	ICHIGE KOICHI	Spring	Thu.	2	S5-5	104	
NC30101	Nano photonics	NISHLJIMA YOSHIKI	Spring	Wed.	1	N6-2	402	
NC30114	Advanced Discrete Systems	FUJIMOTO YASUTAKA	Fall	Wed.	2	N6-2	404	
NC30164	Semiconductor Optoelectronics	ARAKAWA TARO						No class in even year
NC30254	Advanced Electronic Devices	TAKEMURA YASUSHI	Fall	Thu.	2			

【specialized courses】 Mathematical Sciences

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC11101	Seminar in Mathematical Sciences A	KAJIWARA TAKESHI , et.al.	Spring	Unscheduled semester				
NC11204	Seminar in Mathematical Sciences B	KAJIWARA TAKESHI , et.al.	Fall	Unscheduled semester				
NC11301	Seminar in Mathematical Sciences C	KAJIWARA TAKESHI , et.al.	Spring	Unscheduled semester				
NC11404	Seminar in Mathematical Sciences D	KAJIWARA TAKESHI , et.al.	Fall	Unscheduled semester				
NC11501	Exercises in Mathematical Sciences A	KAJIWARA TAKESHI , et.al.	Spring	Unscheduled semester				
NC11604	Exercises in Mathematical Sciences B	KAJIWARA TAKESHI , et.al.	Fall	Unscheduled semester				
NC11701	Exercises in Mathematical Sciences C	KAJIWARA TAKESHI , et.al.	Spring	Unscheduled semester				
NC11804	Exercises in Mathematical Sciences D	KAJIWARA TAKESHI , et.al.	Fall	Unscheduled semester				
(S)NC11901	Training in Mathematical Sciences	KAJIWARA TAKESHI , et.al.	Spring	Unscheduled semester				
(F)NC11904	Training in Mathematical Sciences	KAJIWARA TAKESHI , et.al.	Fall	Unscheduled semester				
NC12001	Exercises on Algebra	KAJIWARA TAKESHI	Spring	Unscheduled semester				
NC12104	Exercises on Geometry	HONDA ATSUFUMI	Fall	Unscheduled semester				
NC12204	Exercises on Analysis	UEKI SEIICHIRO	Fall	Unscheduled semester				
NC12301	Exercises on Probability Theory	TAKEI MASATO						No class in even year
NC12404	Exercises on Statistics	KUROKI MANABU						No class in even year
NC12501	Exercises on Computational Mathematics	KAJIWARA TAKESHI						No class in even year

[specialized courses] Physics

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC20134	Surface Science	SHUDO KENICHI , et.al.	Fall	Wed.	1	S9-1	701	
NC20144	Symmetry and Group Theory in Crystals	SEKIYA TAKAO						No class in even year
NC20151	High Energy Physics	KATAYOSE YUSAKU	Spring	Tue.	2	S9-1	701	
NC20173	Current Topics in Advanced Physics	TAKEDA SHUNTARO	Fall	Intensive course		S9-1	701	
NC20183	Current Topics in Modern Physics	ABE MASAYUKI	Fall	Intensive course		S9-1	701	
NC20201	Current Topics in Physics Frontier	MURATA KELJU	Spring	Intensive course		S9-1	701	
NC20231	Introduction to Particle Physics	SATO JOE	Spring	Fri.	3			
NC20254	Career-Design in Physics	ICHIYANAGI YUKO , et.al.	Year-long	Wed.	6	S9-1	701	Course registration must be done in the spring semester.
NC20261	Introduction to particle astrophysics	HIROSHIMA NAGISA						No class in even year
NC21301	Exercise in Physics, A	Each Instructor of Physics	Spring	Tue.	6			
NC21404	Exercise in Physics, B	Each Instructor of Physics	Fall	Tue.	6			
NC21501	Exercise in Physics, C	Each Instructor of Physics	Spring	Mon.	5			
NC21604	Exercise in Physics, D	Each Instructor of Physics	Fall	Mon.	5			
NC21701	PSD Seminar in Physics, A	Each Instructor of Physics	Spring	Wed.	5			
NC21804	PSD Seminar in Physics, B	Each Instructor of Physics	Fall	Wed.	5			
NC21904	Presentation Practice in Physics	Each Instructor of Physics	Year-long	Unscheduled semester				
(S)NC29811	Internships in Physics, L	Each Instructor of Physics	Spring	Intensive course				
(F)NC29814	Internships in Physics, L	Each Instructor of Physics	Fall	Intensive course				
(S)NC29821	Internships in Physics, M	Each Instructor of Physics	Spring	Intensive course				
(F)NC29824	Internships in Physics, M	Each Instructor of Physics	Fall	Intensive course				
(S)NC29831	Internships in Physics, S	Each Instructor of Physics	Spring	Intensive course				
(F)NC29834	Internships in Physics, S	Each Instructor of Physics	Fall	Intensive course				

[specialized courses]Applied Physics / Information Systems Engineering / Electrical and Computer Engineering

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC30121	Photonics Theory	BABA TOSHIHIKO	Spring	Tue.	1	N6-2	403	
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	
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	
(S)NC30321	Colloquium in Applied Physics I	TSUJI TAKAO , et.al.	Spring	Fri.	3			
(F)NC30324	Colloquium in Applied Physics I	TSUJI TAKAO , et.al.	Fall	Fri.	3			
NC30331	Colloquium in Applied Physics II	TSUJI TAKAO , et.al.	Spring	Fri.	3			
NC30334	Colloquium in Applied Physics II	TSUJI TAKAO , et.al.	Fall	Fri.	3			
NC30341	Colloquium in Information Systems I	TSUJI TAKAO , et.al.	Spring	Fri.	3			
NC30344	Colloquium in Information Systems I	TSUJI TAKAO , et.al.	Fall	Fri.	3			
NC30351	Colloquium in Information Systems II	TSUJI TAKAO , et.al.	Spring	Fri.	3			
NC30354	Colloquium in Information Systems II	TSUJI TAKAO , et.al.	Fall	Fri.	3			
NC30361	Colloquium in Electrical and Computer Engineering I	TSUJI TAKAO , et.al.	Spring	Fri.	3			
NC30364	Colloquium in Electrical and Computer Engineering I	TSUJI TAKAO , et.al.	Fall	Fri.	3			
NC30371	Colloquium in Electrical and Computer Engineering II	TSUJI TAKAO , et.al.	Spring	Fri.	3			
NC30374	Colloquium in Electrical and Computer Engineering II	TSUJI TAKAO , et.al.	Fall	Fri.	3			
NC30381	Multimedia Wireless Communication Networks	RI KANHO	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		
NC31101	Off-Campus Exercise in Applied Physics	Each Instructor of Applied Physics	Spring	Intensive course				
NC31201	Off-Campus Exercise in Information Systems	Each Instructor fo Information Systems	Spring	Intensive course				
NC31301	Off-Campus Exercise in Electrical and Computer Engineering	Each Instructor of Electrical and Computer Engineering	Spring	Intensive course				

Schedule code	Course name	Instructor	Semester	Day of the week	Class period	Bldg.	Room	Remarks
NC31401	Seminar in Applied Physics A	Each Instructor of Applied Physics	Spring	.				
NC31504	Seminar in Applied Physics B	Each Instructor of Applied Physics	Fall	.				
NC31601	Seminar in Applied Physics C	Each Instructor of Applied Physics	Spring	.				
NC31704	Seminar in Applied Physics D	Each Instructor of Applied Physics	Fall	.				
NC31801	Seminar in Information Systems A	Each Instructor fo Information Systems	Spring	.				
NC31904	Seminar in Information Systems B	Each Instructor fo Information Systems	Fall	.				
NC32001	Seminar in Information Systems C	Each Instructor fo Information Systems	Spring	.				
NC32104	Seminar in Information Systems D	Each Instructor fo Information Systems	Fall	.				
NC32201	Seminar in Electrical and Computer Engineering A	Each Instructor of Electrical and Computer Engineering	Spring	.				
NC32304	Seminar in Electrical and Computer Engineering B	Each Instructor of Electrical and Computer Engineering	Fall	.				
NC32401	Seminar in Electrical and Computer Engineering C	Each Instructor of Electrical and Computer Engineering	Spring	.				
NC32504	Seminar in Electrical and Computer Engineering D	Each Instructor of Electrical and Computer Engineering	Fall	.				
(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				