

**International Master's Degree Program /  
Twinning Program / Double Degree Program / IMLEX Program Class Schedule [Fall Term]**

2021.10~2022.3

		Mechanical Engineering		Electrical and Electronic Information Engineering	Computer Science and Engineering	Applied Chemistry and Life Science	Architecture and Civil Engineering	
Mon.	1	F1	Fluid Power Engineering (H. Yanada) [D-313] M41630450	[DDP only] Advances in Thermal and Fluid Mechanics (H. Yanada) [D-313] M41630350	Advanced Electronic Information System 2 (S. Ichikawa, M. Tamura) [C-414] M42630270			
		F2						
	2	F1			Semiconductor Physics 2 (A. Wakahara, H. Okada, T. Kawano, K. Takahashi) [C-613] M42630210	Data Science and Analysis 1 (T. Akiba) [A-108] M43630470 (M43610080 IMLEX)		
		F2				Data Science and Analysis 2 (M. Aono, S. Kuriyama) [A-108] M43630500(M43610090 IMLEX)		
	3	F1						
		F2	Combustion Theory (Y. Nakamura) [D-313] M41630480	[DDP only] Advances in Thermal and Fluid Mechanics (Y. Nakamura) [D-313] M41630350				
4	F1	Advanced Mechanical Systems Design I (Supervisor) [Laboratory] M41630210		Electrical Energy Systems 2 (N. Hozumi, H. Takikawa) [C-312] M42630170	[IMLEX only] Japanese Communication Theory (C. Ishikawa) [A-109] M40030110		Environmental Control in Biology (K. Takayama, T. Tokairin) [A-110] M45630400	
	F2							
5	F1			Material Science for Electronics 2 (H. Uchida, T. Yatsui, Y. Nakamura, G. Kawamura) [C-413] M42630130				
	F2							
Tue.	1	F1						
		F2	Micromachining Engineering (T. Shibata) [D-517] M41630040	[DDP only] Advances in Mechanical Design (T. Shibata) [D-517] M41630330				
	2	F1				3D Vision Computation 1 (Y. Kanazawa) [F-412] M43630520	Advanced Polymer Chemistry (N. Haraguchi) [B-502] M44630070	
		F2	Modern Control Engineering (K. Takagi) [D-511] M41630490	[DDP only] Advances in Systems, Control and Robotics (K. Takagi) [D-511] M41630463		3D Vision Computation 2 (Y. Sugaya) [C3-511] M43630530	Advanced Polymer Engineering (E. Yoshida) [B-210] M44630080	
	3	F1			Methodology of R & D 1 (Supervisor) [Laboratory] M42630100	Robotic Perception and Human-Robot Interaction 1 (J. Miura) [A-105] M43630480		
		F2				Robotic Perception and Human-Robot Interaction 2(N. Ohshima, R. Ohmura) [A-105] M43630490		
	4	F1	Advanced Materials and Manufacturing Process I (Supervisor) [Laboratory] M41630230			Human Sensation and Perception 1 (S. Nakauchi) [A2-101] M43630560		Elasticity and Stability (Y. Matsumoto) [D-802] M45630010
		F2				Human Sensation and Perception 2 (K. Koida) [A2-101] M43630570		
	5	F1				Advanced System and Knowledge Sciences (Y. Ishida) [F1-103] M43630550		
		F2						
Wed.	1	F1	Ethics for Researchers [IGN202] M40110020					
		F2						
	2	F1				Networking, Advanced 1 (K. Umemura) [F1-211] M43630240		
		F2				Networking, Advanced 2 (R. Ohmura) [C2-408] M43630250		
	3	F1						Seismic Design of Structures (T. Saito) [D-805] M45630290
		F2						
4	F1	Advanced System, Control and Robotics I (Supervisor) [Laboratory] M41630250						
	F2							
5	F1							
	F2							
Thu.	1	F1	Culture and Communication I (R. Asai) [A-207] M40030030			Principles of Japanese Grammar (Y. Yoshimura) [A-203] M40030090[*]		
		F2						
	2	F1				X Reality and Psychology 1 (M. Kitazaki) [A1-301] M43630580		
		F2	Microstructural Control of Metallic Materials (H. Miura) [D-511] M41630470			X Reality and Psychology 2 (T. Matsui, T. Minami) [A1-301] M43630590	Geohazards (T. Matsuda) [D-802] M45630330	
	3	F1						
		F2					Coastal Hydraulics (S. Kato) [D-802] M45630090	
4	F1							
	F2							
5	F1							
	F2							
Fri.	1	F1	Advanced Energy and Environmental Engineering I (Supervisor) [Laboratory] M41630270					
		F2						
	2	F1	Robot Kinematics (N. Uchiyama) [D-412] M41630400	[DDP only] Robotics (N. Uchiyama) [D-412] M41630380			Applied Environmental Biology (A. Nakabachi) [G-502] M44630300	
		F2						
	3	F1						
F2								
4	F1							
	F2							
5	F1							
	F2							
Intensive Course		[DDP only] Internship M41610050				Advanced Molecular Design Chemistry 1 M44630430	Advanced Structural System Planning and Design I M45630190	
						Advanced Molecular Functional Chemistry 1 M44630450	Advanced Environmental System Planning and Design I M45630210	
						Advanced Molecular Biological Chemistry 1 M44630470	Advanced Regional System Planning and Design I M45630230	
International Program	M1 M2	Seminar on Mechanical Engineering I M41610010		Seminar on Electrical and Electronic Information Engineering 1A M42610050	Seminar on Computer Science and Engineering I M43610010	Seminar on Applied Chemistry and Life Science 1 M44610050	Seminar on Architecture and Civil Engineering I M45610010	
		Seminar on Mechanical Engineering II M41610020		Seminar on Electrical and Electronic Information Engineering 1B M42610060	Seminar on Computer Science and Engineering II M43610020	Seminar on Applied Chemistry and Life Science 2 M44610060	Seminar on Architecture and Civil Engineering II M45610020	
		Thesis Research on Mechanical Engineering M41610030		Thesis Research on Electrical and Electronic Information Engineering M42610020	Thesis Research on Computer Science and Engineering M43610030	Thesis Research on Applied Chemistry and Life Science M44610070	Thesis Research on Architecture and Civil Engineering M45610030	
Twinning Program Double degree Program		Seminar on Mechanical Engineering I, II [DDP] M41610010, M41610020	Seminar on Mechanical Engineering I, II [DDP] M41610010, M41610020	Seminar on Electrical and Electronic Information Engineering M42610040	Seminar on Computer Science and Engineering M43610040	Seminar on Applied Chemistry and Life Science M44610080	Seminar on Architecture and Civil Engineering M45610040	
		Thesis Research on Mechanical Engineering M4161003T		Thesis Research on Electrical and Electronic Information Engineering M4261002T	Thesis Research on Computer Science and Engineering M4361003T	Thesis Research on Applied Chemistry and Life Science M4461007T	Thesis Research on Architecture and Civil Engineering M4561003T	
IMLEX Program					Case Study in Imaging and Light and XR M43610060			
					Advanced Research Methods M43610070			

[\*]: Not open to students in the IMLEX program.

**International Master's Degree Program /  
Twining Program / Double Degree Program / IMLEX Program Class Schedule [Spring Term]**

2022.4~2022.9

		Mechanical Engineering	Electrical and Electronic Information Engineering	Computer Science and Engineering	Applied Chemistry and Life Science	Architecture and Civil Engineering	
Mon.	1	S1 S2					
	2	S1 S2					
	3	S1 S2	Information and Communication Technology 2 (H. Uehara, K. Takeuchi) [C-414] M42630250				
	4	S1 S2	Advanced Mechanical Systems Design II (Supervisor) [Laboratory] M41630220				
	5	S1 S2		Computers and Education (K. Kawai) [F-207] M43630080			
Tue.	1	S1 S2				Advanced Urban Planning(J. Asano, Haruka Ono)[Undecided]M45630370	
	2	S1 S2	Vibration Engineering (S. Kawamura) [D-313] M41630310 [DDP only] Advances in Mechanical Design (S. Kawamura) [D-313]M41630330	Electrical Technology and Materials 2 (R. Inada, Y. Murakami, T. Harigai) [C-313] M42630190		Advanced Architectural Design (A. Mizutani) [D4-705] M45630380	
	3	S1 S2		Methodology of R & D 2 (Supervisor) [Laboratory] M42630110		Developmental Neuroscience (R. Numano, S. Yoshida) [B-406] M44630110	
	4	S1 S2	Advanced Materials and Manufacturing Process II (Supervisor) [Laboratory] M41630240			X-ray Spectroscopy for Catalytic Engineering (T. Mizushima) [B-303] M44630280	
	5	S1 S2			Molecular Simulation 1 (N. Kurita) [F1-103] M43630400 Molecular Simulation 2 (H. Goto) [F1-103] M43630410	Special Topics in Applied Organic Chemistry (K. Shibatomi) [B-506] M44630100	
Wed.	1	S1 S2	Principles of Japanese Conversation (Y. Muramatsu) [Undecided] M40030080[*]				
	2	S1 S2					
	3	S1 S2		Physics for Electronics 2 (A. Matsuda, T. Hattori, R. Kato) [B-306] M42630150	Computational Intelligence in Brain System (K. Murakoshi) [F1-103] M43630540		
	4	S1 S2				Building Science: Indoor Air Quality and Ventilation (Y. Shimazaki) [D4-705]M45630060	
	5	S1 S2					
Thu.	1	S1 S2					
	2	S1 S2	Advanced Agricultural Engineering (K. Takayama) [D-610] M41630510 [DDP only] Advances in Systems, Control and Robotics (K. Takayama) [D-610] M41630463	LSI Process 2 (K. Sawada, Y. Ishikawa, H. Sekiguchi, T. Noda) [C-613] M42630230	Statistical Machine Learning Theory (K. Watanabe) [Undecided] M43630460	Advanced Reaction Engineering (T. Oguchi) [G-406] M44630180	
	3	S1 S2				Advanced Biomaterials Engineering (H. Tsuji, R. Tero) [G-606] M44630290	
	4	S1 S2	Advanced System, Control and Robotics II (Supervisor) [Laboratory] M41630260				
	5	S1 S2	Japanese Life Today (omnibus) [Undecided] M40030050				
Fri.	1	S1 S2					
	2	S1 S2				Advanced Transportation and Urban Planning (N. Sugiki) [D-715] M45630410	
	3	S1 S2					
	4	S1 S2	Advanced Energy and Environmental Engineering II (Supervisor) [Laboratory] M41630280			Advanced Computational and Environmental Economics (H. Shibusawa) [D-709]M45630390	
	5	S1 S2					
Intensive Course			[DDP only] Internship M41610050		Advanced Molecular Design Chemistry 2 M44630440	Advanced Structural System Planning and Design II M45630200	
					Advanced Molecular Functional Chemistry 2 M44630460	Advanced Environmental System Planning and Design II M45630220	
					Advanced Molecular Biological Chemistry 2 M44630480	Advanced Regional System Planning and Design II M45630240	
International Program	M1	Seminars on Mechanical Engineering I M41610010	Seminars on Electrical and Electronic Information Engineering 1A M42610050	Seminars on Computer Science and Engineering I M43610010	Seminars on Applied Chemistry and Life Science 1 M44610050	Seminars on Architecture and Civil Engineering I M45610010	
	M2	Seminars on Mechanical Engineering II M41610020	Seminars on Electrical and Electronic Information Engineering 1B M42610060	Seminars on Computer Science and Engineering II M43610020	Seminars on Applied Chemistry and Life Science 2 M44610060	Seminars on Architecture and Civil Engineering II M45610020	
	M1 M2	Thesis Research on Mechanical Engineering M41610030	Thesis Research on Electrical and Electronic Information Engineering M42610020	Thesis Research on Computer Science and Engineering M43610030	Thesis Research on Applied Chemistry and Life Science M44610070	Thesis Research on Architecture and Civil Engineering M45610030	
Twining Program		Seminars on Mechanical Engineering M41610040	Seminars on Electrical and Electronic Information Engineering M42610040	Seminars on Computer Science and Engineering M43610040	Seminars on Applied Chemistry and Life Science M44610080	Seminars on Architecture and Civil Engineering M45610040	
		Thesis Research on Mechanical Engineering M4161003T	Thesis Research on Electrical and Electronic Information Engineering M4261002T	Thesis Research on Computer Science and Engineering M4461003T	Thesis Research on Applied Chemistry and Life Science M4461007T	Thesis Research on Architecture and Civil Engineering M4561003T	
IMLEX Program				Supervised Research in Computer Science and Engineering M43610100			

[\*]: Not open to students in the IMLEX program.

# International Doctoral Degree Program Course Schedule [Fall Term]

[Fall Term]

2021.10~2022.3

		Mechanical Engineering	Electrical and Electronic Information Engineering	Computer Science and Engineering	Applied Chemistry and Life Science	Architecture and Civil Engineering
<b>Mon.</b>	1					
	F1	Advanced Production Processes (T. Shibata, Y. Abe, M. Nagai) [D-605] D51030020	Advanced Electrical Systems 1 (N. Hozumi, H. Takikawa) [C-205] D52030030	Advanced Data Science and Analysis 1 (T. Akiba) [A-108] D53030380		
	F2			Advanced Data Science and Analysis 2 (M. Aono, S. Kuriyama) [A-108] D53030410		
	D1					Advanced Mechanics and Design of Spatial Structure Systems (S. Nakazawa, Y. Matsumoto) [D-817] D55030010
	D2	D51010050	D52010050	Seminar on Interdisciplinary Research [A1-301] (Global Rotation Program) D53010050	D54010050	D55010050
	D2	D51030100	D52030100	Seminar on Interdisciplinary Research [A1-301] D53030370	D54030090	D55030140
	4		Advanced Information and Communication Systems 2 (S. Ichikawa, M. Tamura) [C-414] D52030080			
5						
<b>Tue.</b>	1					
	F1	Advanced Systems and Instrumentation Engineering (N. Uchiyama, K. Takayama, T. Mashimo) [D-610] D51030090	Advanced Microelectronics 2 (A. Wakahara, H. Okada, T. Kawano, K. Takahashi) [C-613] D52030060	Advanced 3D Vision Computation 1 (Y. Kanazawa) [F-412] D53030430		
	F2			Advanced 3D Vision Computation 2 (Y. Sugaya) [C3-511] D53030440		
	F1		Methodology of R & D (Supervisor) [Laboratory] D52030090	Advanced Robotic Perception and Human-Robot Interaction 1 (J. Miura) [A-105] D53030390		
	F2			Advanced Robotic Perception and Human-Robot Interaction 2 (N. Ohshima, R. Ohmura) [A-105] D53030400		
	F1			Advanced Human Sensation and Perception 1 (S. Nakauchi) [A2-101] D53030470		Advanced Structural Design (T. Saito, T. Matsui) [D-815] D55030020
	F2			Advanced Human Sensation and Perception 2 (K. Koida) [A2-101] D53030480		
F1			Complex and Intelligent Systems (Y. Ishida) [F1-103] D53030460			
F2						
1	F1	D51020010	D52020010	Ethics for Researchers [IGN202] D53020010	D54020010	D55020010
<b>Wed.</b>	F2					
	F1			Computer Network Engineering 1 (K. Umemura) [F1-211] D53030210		
	F2			Computer Network Engineering 2 (R. Ohmura) [C2-408] D53030220		
	3					
	F1					
F2						
5						
<b>Thu.</b>	1	Advanced Environmental Engineering (H. Yanada, A. Iida, N. Sekishita, H. Yokoyama) [D-313] D51030080				Advanced Water Environmental Engineering (T. Inoue, S. Kato, K. Yokota) [D-811] D55030080
	F1			Advanced X Reality and Psychology 1 (M. Kitazaki) [A1-301] D53030490		
	F2			Advanced X Reality and Psychology 2 (T. Matsui, T. Minami) [A1-301] D53030500		
	3		Advanced Electronic Materials 2 (A. Matsuda, T. Hattori, R. Kato) [C-205] D52030020			
	4					
5					Advanced Theory in Architectural Design (S. Matsushima, A. Mizutani) [D-707] D55030040	
<b>Fri.</b>	1					
	2	Advanced Materials Science (H. Miura, Y. Todaka, M. Kobayashi) [D-508] D51030040			Advanced Chemical Technology (A. Matsumoto, T. Mizushima, T. Oguchi, K. Takashima) [B-505] D54030080	Advanced Geologic Hazard Mitigation Planning (K. Miura, T. Matsuda) [D-806] D55030070
	3					
	4				Advanced Molecular Function Chemistry 2 (H. Tsuji, Y. Saito, R. Tero) [G-606] D54030070	
	5				Advanced Biotechnology 2 (E. Yoshida, R. Numano, S. Yoshida) [B-201] D54030050	Sustainable Urban Planning (J. Asano, H. Ono) [D-708] D55030060
<b>Intensive Course</b>		S51010080	S52010080	(Global Rotation Program) [D2] Japanese Industrial Internship Program S53010080	S54010100	S55010080
		S51010090	S52010090	[D2] Teaching Practice on Global Education S53010090	S54010110	S55010090
<b>D1</b>		Advanced Seminar on Mechanical Engineering 1 D51010010	Seminar on Electrical and Electronic Information Engineering 2 D52010020	Seminar on Computer Science and Engineering 1 D53010010	Seminar on Applied Chemistry and Life Science 1 D54010080	Seminar on Architecture and Civil Engineering 1 D55010010
		Advanced Seminar on Mechanical Engineering 2 D51010020	Seminar on Electrical and Electronic Information Engineering 3 D52010030	Seminar on Computer Science and Engineering 2 D53010020	Seminar on Applied Chemistry and Life Science 2 D54010090	Seminar on Architecture and Civil Engineering 2 D55010020

## International Doctoral Degree Program Course Schedule [Spring Term]

[Spring Term]

2022.4~2022.9

		Mechanical Engineering	Electrical and Electronic Information Engineering	Computer Science and Engineering	Applied Chemistry and Life Science	Architecture and Civil Engineering
<b>Mon.</b>	1					
	2	Advanced Mechanical Systems (S. Kawamura, T. Adachi, Y. Takeichi, M. Matsubara) [D-305] D51030010				
	3					
	4	S1	Advanced Information and Communication Systems 1 (H. Uehara, K. Takeuchi) [C-414] D52030070			
	5			Computers and Education, Advanced (K. Kawai) [F-207] D53030240		Advanced Building Environmental Engineering and Building Services (Y Shimazaki) [D-802] D55030030
<b>Tue.</b>	1				Advanced Molecular Function Chemistry 1 (K. Shibatomi, N. Haraguchi) [B-502] D54030060	
	2	Advanced Manufacturing Processes (M. Izaki, S. Yokoyama, T. Yasui) [D-511] D51030030				
	3					Advanced Environmental Control in Biology (K. Takayama, T Tokairin) [G-411] D55030150
	4	S1 S2				
	5			Advanced Molecular Simulation 1 (N. Kurita) [F1-103] D53030300 Advanced Molecular Simulation 2 (H. Goto) [F1-103] D53030310		
<b>Wed.</b>	1		Advanced Microelectronics 1 (K. Sawada, Y. Ishikawa, H. Sekiguchi, T. Noda) [C-613] D52030050			
	2		Advanced Electrical Systems 2 (R. Inada, Y. Murakami) [C-205] D52030040			
	3	S1		Advanced Computational Intelligence in Brain System (K. Murakoshi) [F1-103] D53030450		Advanced Transportation Systems and Economics (H. Shibusawa, N.Sugiki, K. Matsuo) [D-709] D55030090
	4	S1 S2	Advanced Electronic Materials 1 (H. Uchida, T. Yatsui, Y. Nakamura, G. Kawamura) [C-205] D52030010			
	5					
<b>Thu.</b>	1					
	2	Advanced Mechatronics (K. Sato, K. Takagi, S. Sano) [D-511] D51030110		Advanced Statistical Machine Learning Theory (K. Watanabe) [Undecided] D53030360	Advanced Ecological Engineering (H. Nakano, H. Daimon) [G-603] D54030030	
	3					
	4					
	5					
<b>Fri.</b>	1					
	2				Advanced Biotechnology 1 (T. Eki, T. Tanaka, A. Nakabachi) [G-505] D54030040	Advanced Western Culture (K. Aikyo) [B-311] D55030130
	3					
	4	Advanced Energy Engineering (Y.Nakamura, K. Doi, T. Suzuki, T. Matsuoka) [D-311] D51030070				
	5					
	D1	Advanced Seminar on Mechanical Engineering 1 D51010010	Seminar on Electrical and Electronic Information Engineering 2 D52010020	Seminar on Computer Science and Engineering 1 D53010010	Seminar on Applied Chemistry and Life Science 1 D54010080	Seminar on Architecture and Civil Engineering 1 D55010010
	D2	Advanced Seminar on Mechanical Engineering 2 D51010020	Seminar on Electrical and Electronic Information Engineering 3 D52010030	Seminar on Computer Science and Engineering 2 D53010020	Seminar on Applied Chemistry and Life Science 2 D54010090	Seminar on Architecture and Civil Engineering 2 D55010020