2025（1＆2quarter）Class Schedule

2025/3/25

time period	1	2	3	4	5	6
time	8:50～10:20	10:30～12:00	13:00～14:30	14:40～16:10	16:20～17:50	18:00～19:30

Shared Subjects (Master only)

Mon. (periods 1–6): —

- 1Q (April 9 ~ June 10): Period 4 — Advanced Environmental Studies (Tsai) Remote
- 2Q (June 11 ~ August 8): —

Wed. (periods 1–6):
- 1Q: Period 3 — Introduction to Human Intelligence Systems, Lecture Room 2, Remote; Period 4 — Introduction to Design Thinking (Nakatoh) Remote
- 2Q: Period 3 — Introduction to Green Innovation, Lecture Room 1, Remote; Period 3 — Introduction to Business Planning (Nakatoh) Remote; Period 4 — Introduction to Business Planning (Nakatoh) Remote

Thurs. (periods 1–6):
- 1Q: Period 3 — Advanced Motor Neurophysiology (Obata) Remote
- 2Q: Period 3 — Advanced Course in Instructional Design (Kobayashi) Lecture Room1, Remote

Practical Subjects

Wed.
- 1Q/2Q: Period 5 — Exercises on Advanced Robotics Integration I (Nishida); Period 6 — Exercises on Advanced Robotics Integration III (Nishida)

Thurs.
- 1Q/2Q: Period 4 — English ⅦC (Fukunaga), English ⅩA (Holloway), Introductory Japanese1 (Ishikawa) ※1-2Q; Period 5 — English ⅧB (Fukunaga), English ⅩD (Holloway), Introductory Japanese2 (Ishikawa) ※1-2Q; Period 6 — English ⅨB (Holloway) ※1-2Q

Department of Biological Functions Engineering — Specialized Subjects

Mon.
- 1Q: Periods 1–2 — Bio-MEMS (Yasuda) Moodle; Periods 3–4 — Mechatronics (Honda) Lecture Room1
- 2Q: Periods 3–4 — Semiconductor Materials and Devices (Watanabe) Lecture Room1

Tue.
- 1Q: Period 2 — Clean Cycle Chemistry based on Microbial Functions (Maeda) Lecture Room1; Period 2 — Exercises on Computational Biomechanics, Computer Room1; Period 4 — Micro-Technology (Sasaki) Lecture Room1
- 2Q: Period 2 — Exercises on Measurement Control Systems (Pandey and Watanabe) Computer Room1; Period 4 — Functional Biomaterials (Miyazaki) Lecture Room1

Wed.
- 1Q: Periods 3–4 — Biofunctional molecular engineering (Ikeno) Lecture Room1; Periods 3–4 — Environmental Benign Material Chemistry (Ando) Computer Room1
- 2Q: Period 3 — Clean Cycle Chemistry based on Functional Interface Engineering (Haruyama) Computer Room1; Period 3 — Biomechanical dynamics (Takashima) Lecture Room1

Thurs.
- 2Q: Period 2 — Bioinfomatics (Ikeno and Kato) Computer Room1

Fri.
- 1Q: Periods 1–2 — Semiconductor Power Devices (Omura) Computer Room1; Period 3 — Introduction to AI and Robotics (Horio, Ikemoto) Lecture Room1・2 ※1-2Q; Period 4 — Advanced Electrochemical Technology (Pandey) Lecture Room1
- 2Q: Periods 1–2 — Biomechanics (Yamada) Lecture Room1; Period 3 — Introduction to AI and Robotics (Horio, Ikemoto) Lecture Room1・2 ※1-2Q

Department of Human Intelligence Systems — Specialized Subjects

Mon.
- 1Q: Periods 1–2 — Fundamentals of Mathematics A (Furukawa) Lecture Room2; Period 3 — Machine Learning 1A (Inoue) Lecture Room2; Period 4 — Mathematical Neurophysiology A (Tateno) Computer Room2; Period 5 — Introduction to Computer Systems (Tamuko and Tanaka) Computer Room2, Lecture Room2; Period 6 — Intelligent Digital Integrated Circuits (Tamuko) Computer Room2
- 2Q: Periods 1–2 — Fundamentals of Mathematics B (Wagatsuma) Lecture Room2; Period 3 — Machine Learning 1B (Inoue) Lecture Room2; Period 4 — Mathematical Neurophysiology B (Tateno) Computer Room2; Periods 5–6 — Practicum in Intelligent Machine Design (Wada and Yasukawa) Computer Room1

Tue.
- 1Q: Periods 1–2 — Practicum in Neural Information Processing (Tateno and Otsubo) Computer Room2 ※1-2Q; Period 4 — AI seminar (Tamuko) Computer Room2 ※1-2Q
- 2Q: (same spanning — Practicum in Neural Information Processing; AI seminar)

Wed.
- 1Q: Period 3 — Basic Neuroscience (Natsume, Otsubo and Tateno) Lecture Room2
- 2Q: Period 3 — Brain-Inspired Learning Theory A (Shibata) Computer Room2

Thurs.
- 1Q: Period 2 — Brain-Inspired Information Processing A (Yoshida) Lecture Room2
- 2Q: Period 2 — Brain-Inspired Information Processing B (Ikemoto) Lecture Room 2; Period 2 — Team Management (Jahng) Room 7510

Fri.
- 1Q: Period 2 — Fundamental Machine Learning 2A (Horio) Lecture Room2; Period 3 — Introduction to AI and Robotics (Horio, Ikemoto) Lecture Room1・2 ※1-2Q; Period 4 — Practicum in Robot Operating System (Tamuko, Tanaka) Computer Room1・2, Lecture Room2
- 2Q: Period 2 — Fundamental Machine Learning 2B (Horio) Computer Room2; Period 3 — Introduction to AI and Robotics (Horio, Ikemoto) Lecture Room1・2 ※1-2Q; Period 4 — Vision Sensing and Systems Intelligence Engineering (Nakajima, Suwa) Lecture Room2

Department of Human Intelligence Systems (legend, left box)

Brain Inspired Artificial Intelligence	Laboratory Animal Science
Psychophysiology	Brain dynamics and Neural Information Processing
Measurement of Human Brain Function	Neuronal mechanism for human sensory transduction
Practicum in Care and Medical DX	

*Details will be provided separately.

Master course

- Biological Functions and Engineering Reseach ＊
- Biological Functions and Engineering Special Laboratory ＊
- Human Intelligence Systems Research ＊
- Human Intelligence Systems Special Laboratory ＊
- **Practical Course**
- Domestic Internship1/2
- Advanced Overseas Study Ⅰ/Ⅱ
- Advanced Overseas Internship Ⅰ/Ⅱ
- Advanced International Collaborative Learning

＊ It is not necessary to register with Live Campus.

Doctor course

- Special Research ＊
- **Practical Course**
- Domestic Extra-Mural Studies1, 2
- International Extra-Mural Studies1, 2

Department of Biological Functions Engineering Areas Color

- Environment-friendly Electronic Devices
- Human- and Environment-friendly Mechatronics
- Medical and Biomechanical Engineering
- Bio and Environmentally Adaptive Materials
- Environmental Regeneration Systems
- Environmental, Chemical and Biological Engineering
- Exercise Physiology
- Other

Department of Human Intelligence Systems Areas Color

- Human Intelligence and Machines
- Intelligence Systems and Emergent Design
- Human Interaction and Brain Functions
- Human Behavioral Sciences
- Other

生体機能・人間知能
カーロボAI連携大学院関連科目

2025(3＆4quarter)Class Schedule

The method of the lecture (in person or remote) will be announced separately.

2025/3/25

time period	1	2	3	4	5	6
time	8:50〜10:20	10:30〜12:00	13:00〜14:30	14:40〜16:10	16:20〜17:50	18:00〜19:30

Shared Subjects (Master only)

3Q (October 1 ～ December 8)
- Wed. period 4: Advanced Course for Venture Business (Nakatoh) Remote

4Q (December 9 ～ February 16)
- Mon. period 4: Advanced Lectures on the SDGs (Tsai) Remote
- Tue. period 5: GE³ seminar Lecture Room1 Remote (Master course)
- Wed. period 3: Introduction to Life Innovation Remote
- Wed. period 5: GE³ seminar Lecture Room1 Remote (Master course)
- Wed. period 4: Advanced Course for New Technology Development (Nakatoh) Remote
- Fri. period 3: Life Science and Systems Engineering Seminar Series Lecture Room1・2 (Master Course)

Practical Subjects

3Q (October 1 ～ December 8)
- Mon. period 4: Elective English 2T (Holloway) Remote
- Mon. period 5: Elective English 4T (Holloway) Remote
- Wed. period 3-4: Exercises on Advanced Robotics Integration II (Nishida)
- Thurs. period 1: Exercises on Team Management (Ishii)
- Thurs. period 4: Elective English 2T (Holloway) Remote
- Thurs. period 5: Elective English 4T (Holloway) Remote
- Thurs. period 4: Introductory Japanese1 (Ishikawa) Lecture Room 2 ※3-4Q
- Thurs. period 5: Introductory Japanese2 (Ishikawa) Lecture Room 2 ※3-4Q

4Q (December 9 ～ February 16)
- Mon. period 5: English Technical Writing (Holloway) (Doctor course)
- Mon. period 6: English IXD (Holloway) Lecture Room1
- Thurs. period 4: English Technical Writing (Holloway) (Doctor course)
- Thurs. period 6: English IXD (Holloway) Lecture Room 1

Department of Biological Functions Engineering — Specialized Subjects

4Q (December 9 ～ February 16)

	1	2	3	4	5	6
Mon.	Harmonic Functional Materials Chemistry (Nakamura) Lecture Room1		Clean Cycle Chemistry based on Photo-functional Materials (Murakami) Lecture Room1			
Tue.	Micro total analysis systems (Kumemura) Lecture Room1		Nano materias and energy conversion (Ma) Lecture Room1 / Biofluid Engineering (Tamagawa) Computer Room1		GE³ seminar Lecture Room1 Remote (Doctor course)	
Wed.	Seminar on semiconductor topics (Nakamura) ※3-4Q		Applied power electronics (Hanamoto) Computer Room1 / Biopolymers Structure and Functions (Kato) Lecture Room1	Collaborative Brainstorming on Clean Cycle Chemistry (Haruyama, Maeda, Murakami,Takatsuji) Lecture Room1	GE³ seminar Lecture Room1 Remote (Doctor course)	
Thurs.			DAMD seminar (Nakamura) Lecture Room1 Remote	Intelligent information processing for automobiles (Natsume, Tateno) Computer Room2		
Fri.	Clean Cycle Chemistry based on Catalyst Electrolytic Engineering (Takatsuji) Lecture Room1		Organic Electronic Materials and Devices (Pandey) Lecture Room1	Life Science and Systems Engineering Seminar Series Lecture Room1・2 (Doctor Course)		

Department of Human Intelligence Systems — Specialized Subjects

3Q (October 1 ～ December 8)

	1	2	3	4	5	6
Mon.	AAR Seminar (Shibata,Tanaka) Lecture Room2					
Fri.	AAR Seminar (Shibata,Tanaka) Lecture Room2					

4Q (December 9 ～ February 16)

	1	2	3	4	5	6
Mon.	AAR Seminar (Shibata,Tanaka) Lecture Room2		Human Function Substitution System (Wada) Lecture Room2	Brain-Inspired Learning Theory B (Shibata) Lecture Room2	Advanced Human Intelligence Systems 1 Lecture Room2	
Tue.	Robot Sensing (Yasukawa) Computer Room2		Intelligent Material Systems (Tanaka) Computer Room2	Advanced Human Intelligence Systems 2 Lecture Room2	GE³ seminar Lecture Room1 Remote (Doctor course)	
Wed.	Seminar on semiconductor topics (Nakamura) ※3-4Q		Information Processing using Brain Dynamical System (Natsume) Computer Room2	GE³ seminar Lecture Room1 Remote (Doctor course)		
Thurs.			DAMD seminar (Nakamura) Lecture Room1 Remote	Intelligent information processing for automobiles (Natsume, Tateno) Computer Room2	Advanced Human Intelligence Systems 3 (Otsubo) Lecture Room2	
Fri.			Biomimetics (Matsuo) Computer Room2		Life Science and Systems Engineering Seminar Series Lecture Room1・2 (Doctor Course)	

Legend

生体機能・人間知能
カーロボAI連携大学院関連科目

Common Course / Department of Human Intelligence Systems
Common Course: Introduction to Entrepreneurship
Entrepreneurship with Exercises
Department of Human Intelligence Systems: Large-scale neural network simulation

*Details will be provided separately.

Department of Biological Functions Engineering Areas Color
- Environment-friendly Electronic Devices
- Human- and Environment-friendly Mechatronics
- Medical and Biomechanical Engineering
- Bio and Environmentally Adaptive Materials
- Environmental Regeneration Systems
- Environmental, Chemical and Biological Engineering
- Exercise Physiology
- Other

Department of Human Intelligence Systems Areas Color
- Human Intelligence and Machines
- Intelligence Systems and Emergent Design
- Human Interaction and Brain Functions
- Human Behavioral Sciences
- Other