2024(1&2quarter)Class Schedule

2023/3/18

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., Tue., Wed., Thurs., Fri. — Time periods 1–6

1Q (April 9 ~ June 10)
- Wed. 4: Introduction to Human Intelligence Systems — Lecture Room 2, Remote
- Wed. 5: Introduction to Design Thinking (Nakatoh) — Remote
- Thurs. 4: Advanced Motor Neurophysiology (Obata) — Remote

2Q (June 11 ~ August 8)
- Wed. 4: Introduction to Green Innovation — Lecture Room 1, Remote
- Wed. 3 (2Q lower): Introduction to Business Planning (Nakatoh) — Remote
- Wed. 6: Introduction to Business Planning (Nakatoh) — Remote
- Thurs. 4: Advanced Course in Instructional Design (Kobayashi) — Lecture Room1, Remote

Practical Subjects

1Q (April 9 ~ June 10)
- Wed. 4: Exercises on Advanced Robotics Integration I (Nishida)
- Wed. 5: Exercises on Advanced Robotics Integration III (Nishida)
- Thurs. 4: English ⅦC (Fukunaga); English ⅩA (Holloway); Introductory Japanese1 (Ishikawa) ※1–2Q
- Thurs. 5: English ⅧB (Fukunaga); English ⅩD (Holloway); Introductory Japanese2 (Ishikawa) ※1–2Q
- Thurs. 6: English ⅨB (Holloway) ※1–2Q

Department of Biological Functions Engineering — Specialized Subjects

1Q (April 9 ~ June 10)
Day	Period	Class
Mon.	1–2	Bio-MEMS (Yasuda) — Moodle
Mon.	3–4	Mechatronics (Honda) — Lecture Room1
Tue.	1	Clean Cycle Chemistry based on Microbial Functions (Maeda) — Lecture Room1
Tue.	2	Exercises on Computational Biomechanics — Computer Room1
Tue.	4–5	Micro-Technology (Sasaki) — Lecture Room1
Wed.	1–2	Biofunctional molecular engineering (Ikeno) — Lecture Room1
Fri.	1	Semiconductor Power Devices (Omura) — Computer Room1
Fri.	3	Introduction to AI and Robotics (Horio, Ikemoto) — Lecture Room 1・2 ※1–2Q
Fri.	4	Advanced Electrochemical Technology (Pandey) — Lecture Room1

2Q (June 11 ~ August 8)
Day	Period	Class
Mon.	3–4	Semiconductor Materials and Devices (Watanabe) — Lecture Room1
Tue.	2	Exercises on Measurement Control Systems (Pandey and Watanabe) — Computer Room1
Tue.	4–5	Functional Biomaterials (Miyazaki) — Lecture Room1
Wed.	1	Clean Cycle Chemistry based on Functional Interface Engineering (Haruyama) — Computer Room1
Wed.	1–2	Biomechanical dynamics (Takashima) — Lecture Room1
Wed.	3–4	Environmental Benign Material Chemistry (Ando) — Computer Room1
Thurs.	1–2	Bioinfomatics (Ikeno and Kato) — Computer Room1
Fri.	1	Biomechanics (Yamada) — Lecture Room1

Department of Human Intelligence Systems — Specialized Subjects

1Q (April 9 ~ June 10)
Day	Period	Class
Mon.	1–2	Fundamentals of Mathematics A (Furukawa) — Lecture Room2
Mon.	3	Machine Learning 1A (Inoue) — Lecture Room2
Mon.	4	Mathematical Neurophysiology A (Tateno) — Computer Room2
Mon.	5	Introduction to Computer Systems (Tamuko and Tanaka) — Computer Room2, Lecture Room2
Mon.	6	Intelligent Digital Integrated Circuits (Tamuko) — Computer Room2
Tue.	1	Robot Kinematics (Ishii) — Lecture Room2
Tue.	4–5	AI seminar (Tamuko) — Computer Room2 ※1–2Q
Wed.	1–2	Basic Neuroscience (Natsume, Otsubo and Tateno) — Lecture Room2
Thurs.	2	Brain-Inspired Information Processing A (Yoshida) — Lecture Room2
Fri.	1	Fandamental Machine Learning 2A (Horio) — Computer Room2
Fri.	3	Introduction to AI and Robotics (Horio, Ikemoto) — Lecture Room 1・2 ※1–2Q
Fri.	4–5	Practicum in Robot Operating System (Tamuko,Tanaka) — Computer Room1・2, Lecture Room2

2Q (June 11 ~ August 8)
Day	Period	Class
Mon.	1–2	Fundamentals of Mathematics B (Wagatsuma) — Lecture Room2
Mon.	3	Machine Learning 1B (Inoue) — Lecture Room2
Mon.	4	Mathematical Neurophysiology B (Tateno) — Computer Room2
Mon.	5–6	Practicum in Intelligent Machine Design (Wada and Yasukawa) — Computer Room1
Tue.	1–2	Practicum in Neural Information Processing (Tateno and Otsubo) — Computer Room2 ※1–2Q
Wed.	1–2	Vision Sensing and Systems Intelligence Engineering (Nakajima,Suwa) — Lecture Room2
Thurs.	2	Brain-Inspired Information Processing B (Ikemoto) — Lecture Room 2
Thurs.	5–6	Team Management (Jahng) — Room 7510
Fri.	2	Fandamental Machine Learning 2B (Horio) — Computer Room2
Fri.	3	Introduction to AI and Robotics (Horio, Ikemoto) — Lecture Room 1・2 ※1–2Q
Fri.	4	Brain-Inspired Learning Theory A (Shibata) — Lecture Room2
Fri.	5	Molecular Sensing Systems (Otsubo) — Lecture Room2

Intensive course (Summer)

Common Course
- Advanced Lectures on the SDGs

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

*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 *
- 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

2024(3&4quarter)Class Schedule

2023/3/18

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. (1–6) / **Tue.** (1–6) / **Wed.** (1–6) / **Thurs.** (1–6) / **Fri.** (1–6)

3Q (October 1 ~ December 5):
- Wed. 4: Advanced Course for Venture Business (Nakatoh) Remote

4Q (December 6 ~ February 12):
- Mon. 4: Advanced Environmental Studies (Tsai) Remote
- Tue. 5: GE³ seminar Lecture Room1 Remote (Master course)
- Wed. 2: Introduction to Life Innovation Remote
- Wed. 5: GE³ seminar Lecture Room1 Remote (Master course)
- Wed. 4: Advanced Course for New Technology Development (Nakatoh) Remote
- Fri. 5: Life Science and Systems Engineering Seminar Series Lecture Room1・2 (Master Course)

Practical Subjects

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

4Q (December 6 ~ February 12):
- Mon. 5: English Technical Writing (Holloway) (Doctor course)
- Mon. 6: English ⅨD (Holloway) Lecture Room1
- Thurs. 5: English Technical Writing (Holloway) (Doctor course)
- Thurs. 6: English ⅨD (Holloway) Lecture Room 1

Department of Biological Functions Engineering — Specialized Subjects

4Q (December 6 ~ February 12):

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

Department of Human Intelligence Systems — Specialized Subjects

4Q (December 6 ~ February 12):

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

Legend

Department of Human Intelligence Systems
- Specialized Course (3&4quarter)
- AAR Seminar (Shibata,Tanaka) *Held irregularly

Intensive course — *Details will be provided separately.*

Common Course
- Introduction to Entrepreneurship
- Entrepreneurship with Exercises

Department of Human Intelligence Systems
- Large-scale neural network simulation

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