

Schedule of subjects for the 2025 academic year: Medical Engineering Course
- Intensive Course (IC1, 2), Regular Course (D1, 2) <tentative>

Quick Reference Table

	Target		Type	Subject	4	5	6	7	8	9	10	11	12	1	2	3
1	D1-2	Compulsory	OD ⁺	【 Advanced Clinical Statistics 】												
2	D1-2	Compulsory	OD	【 Pathological Pathophysiology 】												
3	IC1, D1	Compulsory	OD	【 Oral and Maxillofacial Surgery 】												
4	IC2, D2	Compulsory	RR ⁺	【 Unknown Infectious Diseases 】												
5	IC2, D2	Elective	OD	【 Forensic Toxicology 】												
6	IC1, D1	Elective	OD ⁺	【 Forensic Medicine Related to Abuse 】												
7	IC1, D1	Elective	OD	【 Forensic Medicine Related Laws 】												
8	IC1,2, D1,2	Compulsory	RR	【 Forensic Pathology 】												

OD: On Demand, Con: Conference, RR: Real-time Remote, FFL: Face-to-Face Lecture, +: Those that also involve other type of lectures

※ For D2 and IC2, there is no need to take the courses for which you have already received credits. (However, you must take “Forensic Pathology” in your second year.

First year Compulsory subjects 【Dental and Oral Surgery】 Lecture schedule, OD

	Schedule	Lecturer (tentative)
1	OD : On-demand May 1 to July 31, 2025 Watch videos (Later, submit a report on the overall content of this course)	In charge: Maxillofacial and Oral Surgery, Graduate School of Medical Science, Kanazawa University Professor Shuichi Kawashiri
2		
3		
4		In charge: Department of Forensic Dentistry, Nippon Dental University School of Life Dentistry Professor Kaori Iwahara
5		
6		In charge: Former Professor of the Department of Legal Medicine, Toho University Faculty of Medicine Professor Masanori Takahashi
7		
8		

First year, second year Compulsory subject 【Forensic Pathology】 Lecture schedule RR: 90 minutes ◎ Conference-style lecture

	Schedule	Lecturer (tentative)
1	Friday, May 9, 2025, 18:00-19:30	In charge: Graduate School of Medical Sciences, Kanazawa University Professor Masahiko Zuka
2	Friday, June 20, 2025, 18:00-19:30	In charge: Graduate School of Medical Sciences, Kanazawa Medical University, Department of Biomedical Science, Health Science, Forensic Medicine Professor Hajime Mizukami
3	Friday, July 11, 2025, 18:00-19:30	In charge: Department of Legal Medicine, Graduate School of Medicine, Akita University Professor Akira Hayakawa

4	Friday, August 8, 2025, 18:00-19:30	In charge: Graduate School of Medical Sciences, Kanazawa University Professor Masahiko Zuka
5	Friday, September 19, 2025, 18:00-19:30	In charge: Graduate School of Medical Sciences, Kanazawa Medical University, Department of Biomedical Science, Health Science, Forensic Medicine Professor Hajime Mizukami
6	Friday, October 10, 2025, 18:00-19:30	In charge: Department of Legal Medicine, Graduate School of Medicine, Akita University Professor Akira Hayakawa
7	Friday, November 14, 2025, 18:00-19:30	In charge: Graduate School of Medical Sciences, Kanazawa Medical University, Department of Biomedical Science, Health Science, Forensic Medicine Professor Hajime Mizukami
8	Friday, December 19, 2025, 18:00-19:30	In charge: Graduate School of Medical Sciences, Kanazawa University Professor Masahiko Zuka

※ The schedule and in charge listed above are subject to change.

2nd year Required subject 【Unknown infectious diseases】 Lecture schedule OD or RR: 60 minutes

	Schedule	Lecture theme / In charge (tentative)
1	OD : On-demand September 1 to 30, 2025 Watch videos	“Unknown infectious diseases: From routine clinical practice” In charge: Department of Clinical Infectious Diseases, Kanazawa Medical University Professor Yoshitsugu Iinuma
2		
3		“Unknown infectious diseases: Emerging and re-emerging infectious diseases” In charge: Department of Clinical Infectious Diseases, Kanazawa Medical University Professor Yoshitsugu Iinuma
4		

5	Tuesday, October 21, 2025, 18:00-19:00	“Approaches to infection control in forensic autopsies”
6		In charge: Department of Legal Medicine, Kanazawa Medical University Professor Hajime Mizukami
7	Tuesday, October 28, 2025, 18:00-19:00	“Forensic autopsy cases related to infectious diseases”
8		In charge: Department of Legal Medicine, Kanazawa Medical University Professor Hajime Mizukami

※ The schedule for lectures 5 to 8 is tentative and subject to change.

The following elective subjects are subjects ①～③, and at least one subject (1 credit) must be taken.

Elective Subjects ① “Forensic Medicine (Forensic Medicine-related Laws and Regulations)”

Lecture Schedule <First year course> OD

In charge: Graduate School of Medical Sciences, Kanazawa University

Professor Masahiko Zuka

	Schedule	Lecture theme
1～ 14	OD : On-demand April 21 to August 18, 2025 Watch videos (Later, submit a report on the overall content of this course)	Video-learning about the general and specific topics of forensic medicine for beginners. “Introduction”, “Early post-mortem changes”, “Late post-mortem changes”, Introduction of suffocation I: Hanging, strangulation and choking”, “Outline of suffocation and asphyxia”, “Suffocation I: Hanging, strangulation and choking”, “Suffocation II: Immersed bodies/Drowning”, “Burned bodies/Burning to death”, “Freezing to death”, “Electrical fatalities”, “Fetal death and the sudden death of a newborn baby”, “Child abuse”, “Elderly abuse”, “General pathology of wounds”, “Pathology of wounds: Summary, distinction of injuries between self-inflicted and inflicted by others”, “Summary”

※ Watch the video at least 8 of the 14 lectures.

Elective Course ② “Forensic Medicine Related to Abuse” Lecture Schedule <First year course> OD, RR, **FFL**

	Schedule	Lecture theme / In charge (tentative)
1	OD : On-demand September 1 to October 31, 2025 Watch the video	“Legal Regulation of Child Abuse and the Role of Society” 85 min In charge: Department of Law, Graduate School of Law, Kanazawa University Professor Miki Sato
2		
3	Tuesday, September 30, 2025, 18:00-19:30	“Forensic Medicine Related to Abuse I, II” (Zoom) In charge: Department of Forensic Medicine, Tokyo Medical University Professor Seisaku Uchigasaki
4	Tuesday, October 7, 2025, 18:00-19:30	
5	FFL : Face-to-Face Lecture Saturday October 18, 2025, 10:30-12:00	“Forensic Medicine Related to Abuse III ” Special lecture In charge: Department of Forensic Medicine, Tokyo Medical University Professor Seisaku Uchigasaki
6		
7	OD : On-demand October 1 to 31, 2025 Watch the video	“Early detection and care of abused children from the aspect of dentistry” In charge: Department of Pediatric Dentistry, School of Dental Medicine, Tsurumi University Lecturer Hiromi Funayama
8	Tuesday, November 4, 2025, 18:00-19:30	“Injury Theory: General Theory of Abuse diagnostics” In charge: Graduate School of Medical Sciences, Kanazawa University Professor Masahiko Zuka

Elective Course ③ “Forensic Medicine I (Forensic Toxicology)” Lecture Schedule <2nd year course> OD: 30-80 minutes/1 lecture

	Schedule	Lecture theme / In charge (tentative)
1	OD: On-demand June 2 to August 31, 2025 Watch videos	① “Speciation Analysis in Environmental Chemistry” In charge: Department of Chemistry, Faculty of Science and Engineering, Kanazawa University Professor Hiroshi Hasegawa
2		② “Introduction to Forensic Toxicology” In charge: Ishikawa Prefectural Police Headquarters Forensic Science Laboratory Chief Researcher (Former Director) Satoshi Chinaka (Ph.D)
3		③ “Samples handled by the Forensic Science Laboratory -with a focus on abused drugs and pharmaceuticals- ”
4		④ “Methods of identifying substances in the analysis of abused drugs” In charge: Ishikawa Prefectural Police Headquarters Forensic Science Laboratory Research specialist Takaya Murakami (Ph.D)
5		⑤ “Forensic Analysis of Poisoning Cases”
6		⑥ “DNA Typing and the Latest Analysis Methods”
7		⑦, ⑧ “Review - Lectures on Forensic Toxicology”
8		In charge: Ishikawa Prefectural Police Headquarters Forensic Science Laboratory Chief Researcher (Former Director) Satoshi Chinaka (Ph.D)