

Doctoral Program in Clinical Sciences

Common Subjects

Course Number	Course Name	Instru- ctional Type	Credit s	stand- ard regist- ration year	Term	Meeting Days, Per- iod etc.	Classro- om	Instructor	Course Overview	Remarks
02EX002	Introduction to Medical Research	1	1.0	1, 2	SprAB	by appointment		Chair and Chief of the Academic Committee of Clinical Sciences, Arai Tetsuaki, Hashimoto Koichi, Hasegawa Yuichi, Arakawa Yoshihiro	This course provides the opportunities for the students to learn the essential knowledge of the physical- and chemical-hazard, bio-hazard, information security, research ethics, and legal requirements, and also to understand how to use the research facilities and equipments on biomedical research.	Compulsory Online (Asynchronous)
02EX003	Seminar in Medical Sciences	2	3.0	1, 2	Annual	by appointment		Chair and Chief of the Academic Committee of Clinical Sciences	Students attend 3 or more designated 'seminars in medical sciences' and participate in discussion. In addition, students will deepen their understanding by reading original research papers in a related field, by conducting a discussion about its contents with their advising faculty, and by writing papers.	Compulsory Online (Asynchronous)
02EX004	Special Studies on Medical Sciences	2	2.0	1, 2	Annual	by appointment		Chair of Clinical Sciences, Research supervisors	Students learn fundamental knowledges required to set their PhD research subjects and how to obtain them under the instruction of their research supervisors. Then the students determine their research subjects as well as the methods to fulfill their research questions. The students then submit necessary applications for the PhD research, and make up a prospect for completing the dissertation.	Compulsory
02EX005	Special Practice in Medical Sciences	2	5.0	1, 2	Annual	by appointment		Chair of Clinical Sciences, Research supervisors	Students will learn how to analyze the research results and to understand the significance of the results under the supervision of professors. Students will also plan and perform the next research process and repeat this cycle.	Compulsory
02EX007	International Practical Medical Sciences	1	3.0	1 - 4	Annual	by appointment		Chiba Shigeru	Through presentations of research results at international academic conferences and training abroad, students will acquire language ability and learn presentation methods while experiencing internationally recognizable research by holding discussions with researchers overseas. Furthermore, students will participate actively in discussion and educational research abroad as well as practice teaching in English.	Lecture is conducted in English.
02EX008	Seminar in Clinical Research	2	3.0	1, 2	Annual	by appointment		Chair of Clinical Sciences, All faculty members	To obtain the fundamental knowledge required to conduct clinical studies, students will read original research and review papers and become proficient in explaining their contents. In addition, students will learn how to apply such knowledge to their own research theme.	
02EX009	Advanced Seminar in Medical Sciences	1	3.0	1, 2	Annual	by appointment		Faculty in Clinical Sciences	While attending seminars that elucidate the necessary knowledge and special skills in medical science and biology and participating in subsequent discussions, students will deepen their understanding by reading research papers related to the content of the seminars and writing papers. By doing so, students will gain insight into scientific writing and endeavor to improve their skills in such writing, while discussing in detail other fields of medical science and undergoing training to improve their knowledge application. Presentations in poster presentation of faculty of medicine are also acceptable. Reports for the poster presentations require more than a question and its answer to the presenter.	

02EX010	Lecture on Critical Path Research Management	1	2.0	1, 2	FallABC	Mon6, 7	4F204	Hashimoto Koichi, Muratani Masafumi, Negoro Hiromitsu	This course aims to equip students with an understanding of the process of critical path research and translational research, so as to translate basic research findings more quickly and efficiently into medical practice.	Lecture is conducted in English.
02EX011	Training in Medical Science Education	3	1.0	2, 3	Annual	by appointment		Chair of Clinical Sciences, Research supervisors	In this subject, students firstly need to understand i) the objectives of the student education of this Doctoral Program, and ii) the role of each course toward achieving the objectives. Then, the students will join in iii) preparing the syllabus of a certain course together with supervisors, iv) give lecture in the course, and v) evaluate participants in the course. The students will be evaluated by the participants of the course which you will join in.	
02EX013	Communication with Foreign Medical Professionals	2	2.0	1, 2	FallABC	Tue6		Wagatsuma Yukiko	This discussion seminar is open to all students in the medical program including international students. We will read current issue articles in publications such as Nature, and students will be encouraged to think about and express opinions about those issues. The focus will be the medical field and how it connects to broader social, economic, and political matters.	Lecture is conducted in English. Online(Synchronous)
02EX014	English Topics in Science I	2	1.0	1 - 4	SprAB	by appointment		Mathis Bryan James, Chair of Clinical Sciences	To reinforce English vocabulary and fluency in discussing scientific concepts in a diverse array of research fields while introducing cutting edge technologies. Students will develop critical thinking and questioning skills for use in conferences, presentations and daily scientific work.	TBA Lecture is conducted in English.
02EX015	English Topics in Science II	2	1.0	1 - 4	FallAB	by appointment		Mathis Bryan James, Chair of Clinical Sciences	To reinforce English vocabulary and fluency in discussing scientific concepts in a diverse array of research fields while introducing cutting edge technologies. Students will develop critical thinking and questioning skills for use in conferences, presentations and daily scientific work.	TBA Lecture is conducted in English.

Specialized Sciences

Course Number	Course Name	Instructional Type	Credits	standard registration year	Term	Meeting Days, Period etc.	Classroom	Instructor	Course Overview	Remarks
02EX259	Special Studies on Clinical Sciences	2	2.0	1, 2	Annual	by appointment		Chair of Clinical Sciences, Research supervisors	To decide their future research direction and to finally prepare for publication of their research in a biomedical journal, students will study through practical discussion on the background, purpose, methods, results, discussion, and conclusions of ongoing research in each group.	Compulsory

02EX260	Lecture and Discussion in Clinical Pathophysiology I	1	2.0	1, 2	SprABC	by appointment	<p>Nakajima Takahito, Sakurai Hideyuki, Sato Shinji, Isobe Tomonori, Arai Tetsuaki, Tachikawa Hirokazu, Tanaka Makoto, Inoue Yoshiaki, Homma Masato, Maeno Tetsuhiro, Yokoya Shoji, Kobayashi Hiroyuki, Wagatsuma Yukiko, Goshomasa Masahiko, Hashimoto Koichi, Arakawa Yoshihiro, Koyanagi Tomoyoshi, Matsusaka Satoshi, Ito Hiroyuki, Miyamoto Norimasa, Kaneko Shin, Kaneda Tomohiro, Kuno Atsushi, Sumaru Kimio, Tateno Hiroaki, Arai Hiroyuki</p>	<p>The aim of this course is to provide methods to access the pathophysiology of a variety of diseases. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Diagnostic and Interventional Radiology • Radiation Oncology • Radiation Health Risk Science • Psychiatry • Disaster and Community Psychiatry • Anesthesiology • Emergency and Critical Care Medicine • Pharmaceutical Sciences • Primary Care and Medical Education • Clinical Trial and Clinical Epidemiology • Biostatistics • Clinical and Translational Research Methodology • Clinical Research and Regional Innovation • Cellular and Molecular Biotechnology Research Institute • Genomics-based Drug Discovery • Pharmaceuticals and Medical Devices Agency • Clinical Oncology 	
02EX261	Lecture and Discussion in Clinical Pathophysiology II	1	2.0	1, 2	Fall IABC	by appointment	<p>Nakajima Takahito, Sakurai Hideyuki, Sato Shinji, Isobe Tomonori, Arai Tetsuaki, Tachikawa Hirokazu, Tanaka Makoto, Inoue Yoshiaki, Homma Masato, Maeno Tetsuhiro, Yokoya Shoji, Kobayashi Hiroyuki, Wagatsuma Yukiko, Goshomasa Masahiko, Hashimoto Koichi, Arakawa Yoshihiro, Koyanagi Tomoyoshi, Matsusaka Satoshi, Ito Hiroyuki, Narimatsu Hisashi, Miyamoto Norimasa, Arai Hiroyuki</p>	<p>The aim of this course is to provide methods to access the pathophysiology of a variety of diseases. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Diagnostic and Interventional Radiology • Radiation Oncology • Radiation Health Risk Science • Psychiatry • Disaster and Community Psychiatry • Anesthesiology • Emergency and Critical Care Medicine • Pharmaceutical Sciences • Primary Care and Medical Education • Clinical Trial and Clinical Epidemiology • Biostatistics • Clinical and Translational Research Methodology • Clinical Research and Regional Innovation • Cellular and Molecular Biotechnology Research Institute • Genomics-based Drug Discovery • Pharmaceuticals and Medical Devices Agency • Clinical Oncology 	

02EX262	Seminar in Clinical Pathophysiology I	2	2.0	1, 2	SprABC	by appointment		<p>The aim of this course is to provide methods to access the pathophysiology of a variety of diseases. Each listed professor will organize specific seminars and opportunities for discussion.</p> <ul style="list-style-type: none"> • Diagnostic and Interventional Radiology • Radiation Oncology • Radiation Health Risk Science • Psychiatry • Disaster and Community Psychiatry • Anesthesiology • Emergency and Critical Care Medicine • Pharmaceutical Sciences • Primary Care and Medical Education • Clinical Trial and Clinical Epidemiology • Biostatistics • Clinical and Translational Research Methodology • Clinical Research and Regional Innovation • Cellular and Molecular Biotechnology Research Institute • Genomics-based Drug Discovery • Pharmaceuticals and Medical Devices Agency • Clinical Oncology 	
02EX263	Seminar in Clinical Pathophysiology II	2	2.0	1, 2	Fall IABC	by appointment		<p>The aim of this course is to provide methods to access the pathophysiology of a variety of diseases. Each listed professor will organize specific seminars and opportunities for discussion.</p> <ul style="list-style-type: none"> • Diagnostic and Interventional Radiology • Radiation Oncology • Radiation Health Risk Science • Psychiatry • Disaster and Community Psychiatry • Anesthesiology • Emergency and Critical Care Medicine • Pharmaceutical Sciences • Primary Care and Medical Education • Clinical Trial and Clinical Epidemiology • Biostatistics • Clinical and Translational Research Methodology • Clinical Research and Regional Innovation • Cellular and Molecular Biotechnology Research Institute • Genomics-based Drug Discovery • Pharmaceuticals and Medical Devices Agency • Clinical Oncology 	

02EX264	Practice in Pathophysiology I	3	2.0	1, 2	SprABC	by appointment		<p>The aim of this course is to provide methods to access the pathophysiology of a variety of diseases. Each listed professor will organize specific practice and opportunities for discussion.</p> <ul style="list-style-type: none"> • Diagnostic and Interventional Radiology • Radiation Oncology • Radiation Health Risk Science • Psychiatry • Disaster and Community Psychiatry • Anesthesiology • Emergency and Critical Care Medicine • Pharmaceutical Sciences • Primary Care and Medical Education • Clinical Trial and Clinical Epidemiology • Biostatistics • Clinical and Translational Research Methodology • Clinical Research and Regional Innovation • Cellular and Molecular Biotechnology Research Institute • Genomics-based Drug Discovery • Pharmaceuticals and Medical Devices Agency • Clinical Oncology 	
02EX265	Practice in Pathophysiology II	3	2.0	1, 2	Fall ABC	by appointment		<p>The aim of this course is to provide methods to access the pathophysiology of a variety of diseases. Each listed professor will organize specific practice and opportunities for discussion.</p> <ul style="list-style-type: none"> • Diagnostic and Interventional Radiology • Radiation Oncology • Radiation Health Risk Science • Psychiatry • Disaster and Community Psychiatry • Anesthesiology • Emergency and Critical Care Medicine • Pharmaceutical Sciences • Primary Care and Medical Education • Clinical Trial and Clinical Epidemiology • Biostatistics • Clinical and Translational Research Methodology • Clinical Research and Regional Innovation • Cellular and Molecular Biotechnology Research Institute • Genomics-based Drug Discovery • Pharmaceuticals and Medical Devices Agency • Clinical Oncology 	

02EX270	Lecture and Discussion in Surgery I	1	2.0	1, 2	SprABC	by appointment	Nishiyama Hiroyuki, Oda Tatsuya, Hiramatsu Yuji, Yamazaki Masashi, Sato Yukio, Ichimura Hideo, Masumoto Koji, Sekido Mitsuru, Hara Hisato, Satoh Toyomi, Hamada Hiromi, Komatsu Yoji, Matsumaru Yuji, Oshika Tetsuro, Tabuchi Keiji, Bukawa Hiroki, Yanagawa Toru, Hada Yasushi, Suzuki Yasuyuki	The aim of this course is to provide methods to conduct research in surgery. Each listed professor will organize specific lectures and opportunities for discussion. <ul style="list-style-type: none"> • Urology and Andrology • Gastrointestinal and Hepato-biliary-pancreatic Surgery • Cardiovascular Surgery • Orthopedic Surgery • General Thoracic Surgery • Pediatric Surgery • Plastic and Reconstructive Surgery • Breast and Endocrine Surgery • Obstetrics and Gynecology • Neurosurgery • Visual Science and Ophthalmology • Otolaryngology & Head and Neck Surgery • Oral and Maxillofacial Surgery • Rehabilitation medicine
02EX271	Lecture and Discussion in Surgery II	1	2.0	1, 2	Fall IABC	by appointment	Nishiyama Hiroyuki, Oda Tatsuya, Hiramatsu Yuji, Yamazaki Masashi, Sato Yukio, Masumoto Koji, Sekido Mitsuru, Hara Hisato, Satoh Toyomi, Hamada Hiromi, Komatsu Yoji, Matsumaru Yuji, Oshika Tetsuro, Tabuchi Keiji, Bukawa Hiroki, Yanagawa Toru	The aim of this course is to provide methods to conduct research in surgery. Each listed professor will organize specific lectures and opportunities for discussion.
02EX272	Seminar in Surgery II	2	2.0	1, 2	SprABC	by appointment	Nishiyama Hiroyuki, Oda Tatsuya, Hiramatsu Yuji, Yamazaki Masashi, Sato Yukio, Ichimura Hideo, Masumoto Koji, Sekido Mitsuru, Hara Hisato, Satoh Toyomi, Hamada Hiromi, Komatsu Yoji, Matsumaru Yuji, Oshika Tetsuro, Tabuchi Keiji, Bukawa Hiroki, Yanagawa Toru	The aim of this course is to provide methods to conduct research in surgery. Each listed professor will organize specific seminars and opportunities for discussion. <ul style="list-style-type: none"> • Urology and Andrology • Gastrointestinal and Hepato-biliary-pancreatic Surgery • Cardiovascular Surgery • Orthopedic Surgery • General Thoracic Surgery • Pediatric Surgery • Plastic and Reconstructive Surgery • Breast and Endocrine Surgery • Obstetrics and Gynecology • Neurosurgery • Visual Science and Ophthalmology • Otolaryngology & Head and Neck Surgery • Oral and Maxillofacial Surgery • Rehabilitation medicine
02EX273	Seminar in Surgery II	2	2.0	1, 2	Fall IABC	by appointment	Nishiyama Hiroyuki, Oda Tatsuya, Hiramatsu Yuji, Yamazaki Masashi, Sato Yukio, Masumoto Koji, Sekido Mitsuru, Hara Hisato, Satoh Toyomi, Hamada Hiromi, Komatsu Yoji, Matsumaru Yuji, Oshika Tetsuro, Tabuchi Keiji, Bukawa Hiroki, Yanagawa Toru	The aim of this course is to provide methods to conduct research in surgery. Each listed professor will organize specific lectures and opportunities for discussion.

02EX274	Practice in Surgery I	3	2.0	1, 2	SprABC	by appointment	<p>Nishiyama Hiroyuki, Oda Tatsuya, Hiramatsu Yuji, Yamazaki Masashi, Ichimura Hideo, Sato Yukio, Masumoto Koji, Sekido Mitsuru, Hara Hisato, Satoh Toyomi, Hamada Hiromi, Matsumura Akira, Komatsu Yoji, Matsumaru Yuji, Oshika Tetsuro, Tabuchi Keiji, Bukawa Hiroki, Yanagawa Toru</p>	<p>The aim of this course is to provide methods to conduct research in surgery. Each listed professor will organize specific practice and opportunities for discussion.</p> <ul style="list-style-type: none"> • Urology and Andrology • Gastrointestinal and Hepato-biliary-pancreatic Surgery • Cardiovascular Surgery • Orthopedic Surgery • General Thoracic Surgery • Pediatric Surgery • Plastic and Reconstructive Surgery • Breast and Endocrine Surgery • Obstetrics and Gynecology • Neurosurgery • Visual Science and Ophthalmology • Otolaryngology & Head and Neck Surgery • Oral and Maxillofacial Surgery • Rehabilitation medicine
02EX275	Practice in Surgery II	3	2.0	1, 2	Fall IABC	by appointment	<p>Nishiyama Hiroyuki, Oda Tatsuya, Hiramatsu Yuji, Yamazaki Masashi, Sato Yukio, Ichimura Hideo, Masumoto Koji, Sekido Mitsuru, Hara Hisato, Satoh Toyomi, Hamada Hiromi, Komatsu Yoji, Matsumaru Yuji, Oshika Tetsuro, Tabuchi Keiji, Bukawa Hiroki, Yanagawa Toru</p>	<p>The aim of this course is to provide methods to conduct research in surgery. Each listed professor will organize specific practice and opportunities for discussion.</p> <ul style="list-style-type: none"> • Urology and Andrology • Gastrointestinal and Hepato-biliary-pancreatic Surgery • Cardiovascular Surgery • Orthopedic Surgery • General Thoracic Surgery • Pediatric Surgery • Plastic and Reconstructive Surgery • Breast and Endocrine Surgery • Obstetrics and Gynecology • Neurosurgery • Visual Science and Ophthalmology • Otolaryngology & Head and Neck Surgery • Oral and Maxillofacial Surgery • Rehabilitation medicine
02EX280	Lecture and Discussion in Internal Medicine I	1	2.0	1, 2	SprABC	by appointment	<p>Chiba Shigeru, Sakata- Yanagimoto Mamiko, Tsuchiya Kiichiro, Ieda Masaki, Shoda Junichi, Ohara Makoto, Aonuma Kazutaka, Koike Akira, Nogami Akihiko, Homma Satoshi, Miyauchi Takashi, Hizawa Nobuyuki, Ishii Yukio, Satoh Hiroaki, Tamaoka Akira, Yamagata Kunihiro, Shimano Hitoshi, Yagyu Hiroaki, Matsuzaka Takashi, Kawakami Yasushi, Takada Hidetoshi, Horigome Hitoshi, Sekine Ikuo, Hitomi Shigemi, Kaneko Shin, Nomura Toshifumi, Suzuki Hiromichi</p>	<p>The aim of this course is to provide students with methods to conduct research in internal medicine. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Hematology • Gastroenterology • Cardiovascular Medicine • Pulmonology • Neurology • Nephrology • Clinical Immunology • Metabolism and Endocrinology • Clinical Laboratory Medicine • Dermatology • Pediatrics and Child Health • Infectious Diseases • Medical Oncology • Biomedical Informatics and Management • Molecular Sportology • Cancer Immunotherapy and Immunology

02EX281	Lecture and Discussion in Internal Medicine II	1	2.0	1, 2	Fall IABC	by appointment	<p>Chiba Shigeru, Sakata-Yanagimoto Mamiko, Tsuchiya Kiichiro, Ieda Masaki, Shoda Junichi, Ohara Makoto, Aonuma Kazutaka, koike akira, Nogami Akihiko, Homma Satoshi, Miyauchi Takashi, Hizawa Nobuyuki, Ishii Yukio, Satoh Hiroaki, Tamaoka Akira, Yamagata Kunihiro, Shimano Hitoshi, Yagyu Hiroaki, Matsuzaka Takashi, Kawakami Yasushi, Takada Hidetoshi, Horigome Hitoshi, Hitomi Shigemi, Sekine Ikuo, Kaneko Shin, Nomura Toshifumi, Suzuki Hiromichi</p>	<p>The aim of this course is to provide students with methods to conduct research in internal medicine. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Hematology • Gastroenterology • Cardiovascular Medicine • Pulmonology • Neurology • Nephrology • Clinical Immunology • Metabolism and Endocrinology • Clinical Laboratory Medicine • Dermatology • Pediatrics and Child Health • Infectious Diseases • Medical Oncology • Biomedical Informatics and Management • Molecular Sportology • Cancer Immunotherapy and Immunology 	
02EX282	Seminar in Internal Medicine I	2	2.0	1, 2	Spr ABC	by appointment	<p>Chiba Shigeru, Sakata-Yanagimoto Mamiko, Tsuchiya Kiichiro, Ieda Masaki, Shoda Junichi, Ohara Makoto, Aonuma Kazutaka, koike akira, Nogami Akihiko, Homma Satoshi, Miyauchi Takashi, Hizawa Nobuyuki, Ishii Yukio, Satoh Hiroaki, Tamaoka Akira, Yamagata Kunihiro, Shimano Hitoshi, Yagyu Hiroaki, Matsuzaka Takashi, Kawakami Yasushi, Takada Hidetoshi, Horigome Hitoshi, Hitomi Shigemi, Sekine Ikuo</p>	<p>The aim of this course is to provide students with methods to conduct research in internal medicine. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Hematology • Gastroenterology • Cardiovascular Medicine • Pulmonology • Neurology • Nephrology • Clinical Immunology • Metabolism and Endocrinology • Clinical Laboratory Medicine • Dermatology • Pediatrics and Child Health • Infectious Diseases • Medical Oncology • Biomedical Informatics and Management • Molecular Sportology • Cancer Immunotherapy and Immunology 	

02EX283	Seminar in Internal Medicine II	2	2.0	1, 2	Fall IABC	by appointment	<p>Chiba Shigeru, Sakata-Yanagimoto Mamiko, Tsuchiya Kiichiro, Ieda Masaki, Shoda Junichi, Ohara Makoto, Aonuma Kazutaka, koike akira, Nogami Akihiko, Homma Satoshi, Miyauchi Takashi, Hizawa Nobuyuki, Ishii Yukio, Satoh Hiroaki, Tamaoka Akira, Yamagata Kunihiro, Shimano Hitoshi, Yagyu Hiroaki, Matsuzaka Takashi, Kawakami Yasushi, Takada Hidetoshi, Horigome Hitoshi, Hitomi Shigemi, Sekine Ikuo</p>	<p>The aim of this course is to provide students with methods to conduct research in internal medicine. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Hematology • Gastroenterology • Cardiovascular Medicine • Pulmonology • Neurology • Nephrology • Clinical Immunology • Metabolism and Endocrinology • Clinical Laboratory Medicine • Dermatology • Pediatrics and Child Health • Infectious Diseases • Medical Oncology • Biomedical Informatics and Management • Molecular Sportology • Cancer Immunotherapy and Immunology 	
02EX284	Practice in Internal Medicine I	3	2.0	1, 2	SprABC	by appointment	<p>Chiba Shigeru, Sakata-Yanagimoto Mamiko, Tsuchiya Kiichiro, Ieda Masaki, Shoda Junichi, Ohara Makoto, Aonuma Kazutaka, koike akira, Nogami Akihiko, Homma Satoshi, Miyauchi Takashi, Hizawa Nobuyuki, Ishii Yukio, Satoh Hiroaki, Tamaoka Akira, Yamagata Kunihiro, Shimano Hitoshi, Yagyu Hiroaki, Matsuzaka Takashi, Kawakami Yasushi, Takada Hidetoshi, Horigome Hitoshi, Hitomi Shigemi, Sekine Ikuo</p>	<p>The aim of this course is to provide students with methods to conduct research in internal medicine. Each listed professor will organize specific lectures and opportunities for discussion.</p> <ul style="list-style-type: none"> • Hematology • Gastroenterology • Cardiovascular Medicine • Pulmonology • Neurology • Nephrology • Clinical Immunology • Metabolism and Endocrinology • Clinical Laboratory Medicine • Dermatology • Pediatrics and Child Health • Infectious Diseases • Medical Oncology • Biomedical Informatics and Management • Molecular Sportology • Cancer Immunotherapy and Immunology 	

02EX285	Practice in Internal Medicine II	3	2.0	1, 2	FallABC	by appointment	Chiba Shigeru, Sakata-Yanagimoto Mamiko, Tsuchiya Kiichiro, Ieda Masaki, Shoda Junichi, Ohara Makoto, Aonuma Kazutaka, Koike Akira, Nogami Akihiko, Homma Satoshi, Miyauchi Takashi, Hizawa Nobuyuki, Ishii Yukio, Satoh Hiroaki, Tamaoka Akira, Yamagata Kunihiko, Shimano Hitoshi, Yagyu Hiroaki, Matsuzaka Takashi, Kawakami Yasushi, Takada Hidetoshi, Horigome Hitoshi, Hitomi Shigemi, Sekine Ikuo	The aim of this course is to provide students with methods to conduct research in internal medicine. Each listed professor will organize specific lectures and opportunities for discussion. <ul style="list-style-type: none"> • Hematology • Gastroenterology • Cardiovascular Medicine • Pulmonology • Neurology • Nephrology • Clinical Immunology • Metabolism and Endocrinology • Clinical Laboratory Medicine • Dermatology • Pediatrics and Child Health • Infectious Diseases • Medical Oncology • Biomedical Informatics and Management • Molecular Sportology • Cancer Immunotherapy and Immunology
02EX293	Lecture and Discussion in Social Medicine I	1	2.0	1, 2	SprABC	by appointment	Yamagishi Kazumasa, Saito Tamaki, Tamiya Nanako, Kondo Masahide	The aim of this seminar is for students to understand the purpose, methods, and results of the most recent research articles on a variety of aspects in social medicine. Moderated by each supervising professor, students will discuss the significance, problems, and future directions of the study. <ul style="list-style-type: none"> • Public Health Medicine • Social Psychiatry and Mental Health • Health Services Research • Health Care Policy and Health Economics
02EX294	Lecture and Discussion in Social Medicine II	1	2.0	1, 2	FallABC	by appointment	Yamagishi Kazumasa, Saito Tamaki, Tamiya Nanako, Kondo Masahide	The aim of this seminar is for students to understand the purpose, methods, and results of the most recent research articles on a variety of aspects in social medicine. Moderated by each supervising professor, students will discuss the significance, problems, and future directions of the study. <ul style="list-style-type: none"> • Public Health Medicine • Social Psychiatry and Mental Health • Health Services Research • Health Care Policy and Health Economics
02EX295	Seminar in Social Medicine I	2	2.0	1, 2	SprABC	by appointment	Yamagishi Kazumasa, Saito Tamaki, Tamiya Nanako, Kondo Masahide	The aim of this seminar is for students to understand the purpose, methods, and results of the most recent research articles on a variety of aspects in social medicine. Moderated by each supervising professor, students will discuss the significance, problems, and future directions of the study. <ul style="list-style-type: none"> • Public Health Medicine • Social Psychiatry and Mental Health • Health Services Research • Health Care Policy and Health Economics

02EX296	Seminar in Social Medicine II	2	2.0	1, 2	Fall IABC	by appointment		Yamagishi Kazumasa, Saito Tamaki, Tamiya Nanako, Kondo Masahide	The aim of this seminar is for students to understand the purpose, methods, and results of the most recent research articles on a variety of aspects in social medicine. Moderated by each supervising professor, students will discuss the significance, problems, and future directions of the study. <ul style="list-style-type: none"> • Public Health Medicine • Social Psychiatry and Mental Health • Health Services Research • Health Care Policy and Health Economics 	
02EX297	Practice in Social Medicine I	3	2.0	1, 2	SprABC	by appointment		Yamagishi Kazumasa, Saito Tamaki, Tamiya Nanako, Kondo Masahide	The aim of this course is to provide students with methods to conduct research in social medicine. Each listed professor will organize practice. <ul style="list-style-type: none"> • Public Health Medicine • Social Psychiatry and Mental Health • Health Services Research • Health Care Policy and Health Economics 	
02EX298	Practice in Social Medicine II	3	2.0	1, 2	Fall IABC	by appointment		Yamagishi Kazumasa, Saito Tamaki, Tamiya Nanako, Kondo Masahide	The aim of this course is to provide students with methods to conduct research in social medicine. Each listed professor will organize practice. <ul style="list-style-type: none"> • Public Health Medicine • Social Psychiatry and Mental Health • Health Services Research • Health Care Policy and Health Economics 	
02EX230	Methods in Clinical Trials	1	2.0	1, 2	Fall IAB	Tue7, 8		Wagatsuma Yukiko, Goshō Masahiko	The aim of this course is to teach students the principles and methods of clinical trials and to introduce good clinical practice (GCP).	Lecture is conducted in English. Online (Synchronous)
02EX231	Biostatistics, Basic	1	1.0	1, 2	SprAB	Wed3		Goshō Masahiko, Maruo Kazushi, Ishii Ryota	The aim of this course is for students to learn the methods of sampling and statistical analysis frequently used in clinical research.	4F204, online etc.
02EX292	Biostatistics, Advanced	1	2.0	1, 2	Fall IAB	Wed4, 5		Goshō Masahiko, Maruo Kazushi, Ishii Ryota	Students will learn about survival data analysis that is essential in medical research, and they will apply the method to real clinical data.	4F204, online etc.
02EX232	Biostatistics in Practice	3	1.0	1, 2	SprAB	Wed5-8		Maruo Kazushi, Goshō Masahiko, Ishii Ryota	This course provides practice in biostatistical analysis using a statistical analysis software.	4F204, online etc.
02EX290	Methods in Epidemiology	1	2.0	1, 2	Fall IAB	Tue3, 4	4F305	Wagatsuma Yukiko	The fundamental concepts and uses of epidemiology, and its role in formulating principles, are examined. Exercises are conducted in which epidemiological methods are utilized, to promote understanding of the practice of this discipline.	Lecture is conducted in English.