

## Doctoral Program in Clinical Sciences

### Common Subjects

Course Number	Course Name	Course Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02EX001	Initiation Seminar	1	1.0	1, 2	SprABC	by appointment		Shigeru Chiba	医学系博士課程専攻修了者に対する社会のニーズを正しく理解し、大学院生の個性をキャリアに繋ぐための3種類のコースワーク(インテンシブ・リサーチコース、クリニカル・リサーチコースおよびパブリック・リサーチコース)のそれぞれの学修内容と目的ならびにキャリアパスとの関係を理解する。	Compulsory for students who started the program in fiscal year 2012. Closed to students who started the program thereafter.
02EX002	Introduction to Medical Research	1	1.0	1, 2	SprAB	Thu/Fri 7, 8	4A203	Manabu Fujimoto	This course provides opportunities for students to learn the essentials of physical and chemical hazards, biohazards, information security, research ethics, and legal requirements, and also to understand how to use research facilities and equipment for biomedical research.	Compulsory
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
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 Seminar 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 Practice in Medical in Sciences	1	3.0	1 - 4	Annual	by appointment		Shigeru Chiba	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.	Lectures are 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		Hitoshi Shimano, All faculty members of Clinical Sciences	Students will attend lectures about the new concepts and technologies underlying research in the post-genome-era medical and biological sciences and will engage in discussions on their contents.	
02EX010	Lecture on Critical Path Research Management	1	2.0	1, 2	FallABC	Mon6, 7	4F204	Koichi Hashimoto	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.	Lectures are conducted in English.

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02EX011	Training in Medical Science Education	3	1.0	2, 3	Annual	by appointment		Chair of Clinical Sciences, Research supervisors	For this course, students firstly need to understand (1) the educational objectives promoted by the faculty and (2) the role of each course in achieving those objectives. Then, students will participate in (3) preparing the syllabus of a certain course together with supervisors, (4) give lectures in the course, and (5) evaluate the course's participants. Students will be evaluated by the participants of the course they teach.	
02EX013	Communication with foreign medical professionals	2	2.0	1, 2	Fall/ABC	Tue6		Yukiko Wagatsuma, Mizuho Fukushige	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.	Conducted in the classroom 4G121. Lectures are conducted in English.
02EX014	English Topics in Science I	2	1.0	1 - 4	SprC	Tue/Thu 4		Bryan James Mathis	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.	Lectures are conducted in English.
02EX015	English Topics in Science II	2	1.0	1 - 4	FallC	Tue/Thu 4		Bryan James Mathis	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.	Lectures are conducted in English.

Specialized Sciences

Course Number	Course Name	Course Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02EX101	An introduction to Advanced Biomedical Applications	1	1.0	1, 2	Annual	by appointment		Shigeru Chiba	専攻内のそれぞれの研究分野についての理解を深め、実際に行なわれている研究内容や方法論を知り視野を広げ、異なる分野の研究者と討論する機会を与え研究交流を促進する。	Compulsory for students who started the program in fiscal year 2012. Closed to students who started the program thereafter.
02EX259	Special Studies on Medical 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

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02EX260	Lecture and Discussion in Clinical Pathophysiology I	1	2.0	1, 2	SprABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	
02EX261	Lecture and Discussion in Clinical Pathophysiology II	1	2.0	1, 2	FallABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	

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02EX262	Seminar in Clinical Pathophysiology I	2	2.0	1, 2	SprABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	
02EX263	Seminar in Clinical Pathophysiology II	2	2.0	1, 2	FallABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	

Course Number	Course Name	Course Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02EX264	Practice in Pathophysiology I	3	2.0	1, 2	SprABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	
02EX265	Practice in Pathophysiology II	3	2.0	1, 2	FallABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	

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02EX266	Lecture and Discussion in Clinical Pathophysiology I	1	2.0	1, 2	SprABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX267	Lecture and Discussion in Clinical Pathophysiology II	1	2.0	1, 2	FallABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	Open to Day/Evening course students. 昼夜制学生に限る

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02EX268	Practice in Pathophysiology I	3	2.0	1, 2	SprABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX269	Practice in Pathophysiology II	3	2.0	1, 2	FallABC	by appointment		Tetsuhiro Maeno, Manabu Minami, Hideyuki Sakurai, Tomonori Isobe, Tetsuaki Arai, Makoto Tanaka, Yoshiaki Inoue, Masato Homma, Yoshitomo Takahashi, Yukiko Wagatsuma, Masahiko Gosyo, Koichi Hashimoto, Kenichi Yanagi, Yoshihiro Arakawa, Keiji Miyata, Sousuke Miyoshi, Hisashi Narimatsu, Norimasa Miyamoto	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.	Open to Day/Evening course students. 昼夜制学生に限る

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02EX270	Lecture and Discussion in Surgery I	1	2.0	1, 2	SprABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	
02EX271	Lecture and Discussion in Surgery II	1	2.0	1, 2	FallABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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 I	2	2.0	1, 2	SprABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	

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02EX273	Seminar in Surgery II	2	2.0	1, 2	Fall/ABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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	Spr/ABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	
02EX275	Practice in Surgery II	3	2.0	1, 2	Fall/ABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Akira Hara, Hiroki Bukawa	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.	

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02EX276	Lecture and Discussion in Surgery I	1	2.0	1, 2	SprABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX277	Lecture and Discussion in Surgery II	1	2.0	1, 2	FallABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX278	Practice in Surgery I	3	2.0	1, 2	SprABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	Open to Day/Evening Course students 昼夜制学生に限る

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02EX279	Practice in Surgery II	3	2.0	1, 2	Fall IABC	by appointment		Hiroyuki Nishiyama, Toru Shimazui, Yuji Hiramatsu, Yukio Sato, Hideo Ichimura, Masashi Yamazaki, Koji Masumoto, Mitsuru Sekido, Hisato Hara, Toyomi Satoh, Hiromi Hamada, Akira Matsumura, Yoji Komatsu, Tetsuro Oshika, Hiroki Bukawa	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX280	Lecture and Discussion in Internal Medicine I	1	2.0	1, 2	Spr ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	

Course Number	Course Name	Course Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02EX281	Lecture and Discussion in Internal Medicine II	1	2.0	1, 2	Fall/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyachi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	
02EX282	Seminar in Internal Medicine I	2	2.0	1, 2	Spr/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyachi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	

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02EX283	Seminar in Internal Medicine II	2	2.0	1, 2	Fall/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, Akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	
02EX284	Practice in Internal Medicine I	3	2.0	1, 2	Spr/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, Akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	

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02EX285	Practice in Internal Medicine II	3	2.0	1, 2	Fall/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	
02EX286	Lecture and Discussion in Internal Medicine I	1	2.0	1, 2	Spr/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	Open to Day/Evening course students. 昼夜制学生に限る

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02EX287	Lecture and Discussion in Internal Medicine II	1	2.0	1, 2	Fall/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX288	Practice in Internal Medicine I	3	2.0	1, 2	Spr/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Homma, akira koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	Open to Day/Evening course students. 昼夜制学生に限る

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02EX289	Practice in Internal Medicine II	3	2.0	1, 2	Fall/ABC	by appointment		Shigeru Chiba, Ichinosuke Hyodo, Junichi Shoda, Akinori Yanaka, Kazutaka Aonuma, Takashi Miyauchi, Satoshi Honma, Akira Koike, Nobuyuki Hizawa, Yukio Ishii, Hiroaki Satoh, Ryuji Ieki, Akira Tamaoka, Kunihiro Yamagata, Haruhiko Ninomiya, Takayuki Sumida, Hitoshi Shimano, Hiroaki Yagyu, Takashi Matsuzaka, Yasushi Kawakami, Manabu Fujimoto, Tomohiro Kamoda, Hitoshi Horigome, Shigemi Hitomi, Harumi Yano, Ikuo Sekine	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.	Open to Day/Evening course students. 昼夜制学生に限る
02EX293	Lecture and Discussion in Social Medicine I	1	2.0	1, 2	Spr/ABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with methods to conduct research in social medicine. Each listed professor will organize specific lectures and opportunities for discussion.	
02EX294	Lecture and Discussion in Social Medicine II	1	2.0	1, 2	Fall/ABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with methods to conduct research in social medicine. Each listed professor will organize specific lectures and opportunities for discussion.	
02EX295	Seminar in Social Medicine I	2	2.0	1, 2	Spr/ABC	by appointment		Tamaki Saito, Nanako Tamiya	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.	
02EX296	Seminar in Social Medicine II	2	2.0	1, 2	Fall/ABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this seminar is for students to understand the purpose, methods, and results of the most recent 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.	
02EX297	Practice in Social Medicine I	3	2.0	1, 2	Spr/ABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with the principles and methods of research in surgery. Each listed supervising professor will organize a specific field of research.	
02EX298	Practice in Social Medicine II	3	2.0	1, 2	Fall/ABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with the principles and methods of research in surgery. Each listed supervising professor will organize a specific field of research.	
02EX299	Lecture and Discussion in Social Medicine I	1	2.0	1, 2	Spr/ABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with methods to conduct research in social medicine. Each listed professor will organize specific lectures and opportunities for discussion.	Open to Day/Evening course students. 昼夜制学生に限る

Course Number	Course Name	Course Type	Credits	Standard Academic Year	Course Offering Term	Weekday and Period	Classroom	Instructor	Course Overview	Remarks
02EX300	Lecture and Discussion in Social Medicine II	1	2.0	1, 2	FallABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with methods to conduct research in social medicine. Each listed professor will organize specific lectures and opportunities for discussion.	Open to Day/Evening Course students 昼夜制学生に限る
02EX301	Practice in Social Medicine I	3	2.0	1, 2	SprABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with the principles and methods of research in surgery. Each listed supervising professor will organize a specific field of research.	Open to Day/Evening Course students 昼夜制学生に限る
02EX302	Practice in Social Medicine II	3	2.0	1, 2	FallABC	by appointment		Tamaki Saito, Nanako Tamiya	The aim of this course is to provide students with the principles and methods of research in surgery. Each listed supervising professor will organize a specific field of research.	Open to Day/Evening Course students 昼夜制学生に限る
02EX230	Special topics in Clinical Trials	1	2.0	1, 2	FallAB	Tue7, 8	4F204	Yukiko Wagatsuma, Masahiko Gosyo, Mizuho Fukushige	The aim of this course is to teach students the principles and methods of clinical trials and to introduce good clinical practice (GCP).	
02EX231	Biostatistics	1	1.0	1, 2	SprAB	Wed3	4F204	Masahiko Gosyo, Kazushi Maruo	The aim of this course is for students to learn the methods of sampling and statistical analysis frequently used in clinical research.	
02EX292	Biostatics Advanced	1	2.0	1, 2	FallAB	Wed4, 5	4B212	Masahiko Gosyo, Kazushi Maruo	Students will learn about survival data analysis that is essential in medical research, and they will apply the method to real clinical data.	
02EX232	Biostatistics in Practice	3	1.0	1, 2	SprAB	Wed6, 7	4B212	Masahiko Gosyo, Kazushi Maruo	This course provides practice in biostatistical analysis using a statistical analysis software.	
02EX290	Epidemiology	1	2.0	1, 2	FallAB	Tue3, 4	4F305	Yukiko Wagatsuma, Mizuho Fukushige	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.	Compulsory