

(4) School of Medicine and Health Sciences(College of Medical Sciences)
Undergraduate Medical Science Program for International Students

Major Subjects (Required Courses)

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
HE33081	International Infectious Diseases	1	1.0	3	SprABC	by appointment		Morikawa Kazuya	In the modern world certain infectious diseases have become human threats, by spreading in a short period of time, with more morbidity and severity. In this course, important international infectious diseases are explained on the aspects from microbiology, clinical medicine and disease control.	平成30年度以前入学の医療科学類生に限る。令和4年度の履修については、科目責任教員に照会してください。Details will be announced. Hybrid or Others
HE40011	Medical Microbiology	1	2.0	3, 4	FallAB	by appointment		Morikawa Kazuya	This course offers a series of lectures and discussions regarding the molecular mechanisms underlying in bacterial pathogens. Students will learn hot topics and techniques in molecular bacteriology fields.	This course is for foreign students in School of Medical Sciences. Lecture is conducted in English. Hybrid or Others 初回授業は対面、それ以降はオンライン
HE40061	English Communication for Medical Sciences I	1	3.0	3	FallABC	Intensive		Takahashi Satoru, Hamada Michito, Hisatake Koji, Irie Kenji, Ohbayashi Norihiko, sasaki tetsuya, Nishikii Hidekazu, Kawaguchi Atsushi, Matsuzaka Takashi	This course covers a variety of medical science research topics. Students will learn basic concepts, methodology, and scientific thinking through each research topic.	医療科学類国際医療科学専攻学生に限る。Lecture is conducted in English. Details will be announced. オンライン又は対面。
HE40071	English Communication for Medical Sciences II	1	3.0	4	SprAB SprC	Mon/Fri 1 Mon/Thu 1		Takahashi Satoru, Hamada Michito	This course covers a variety of medical science research topics. Students will learn basic concepts, methodology, and scientific thinking through each research topic.	医療科学類国際医療科学専攻学生に限る。Lecture is conducted in English. オンライン又は対面。
HE40081	Topics in Medical Sciences I	1	1.0	3	FallAB	Wed3		Ho Kiong, Hisatake Koji	This course helps students to understand the basics of genes and genomes and enable them to develop critical thinking in medical science.	Lectures are conducted in English. Lecture is conducted in English. Online (Asynchronous)
HE40091	Topics in Medical Sciences II	1	1.0	4	SprBC	Tue4		Hisatake Koji, Ho Kiong	This course provides students with the opportunity to make presentations and discussions on medical science topics.	医療科学類国際医療科学専攻学生に限る。Lecture is conducted in English. face-to-face
HE40102	Seminar on Medical Sciences	2	1.0	3	FallBC	by request		Shibuya Kazuko	医学に関する演習課題について主体的に調査、解答を行い、医学の理解をさらに深める。	医療科学類国際医療科学専攻学生に限る。Lecture is conducted in English. face-to-face
HE40112	Research Seminar	2	2.0	3	FallBC	by request		Shibuya Kazuko	The students will select their theme from a variety of fields in medical sciences based on their own interests, and participate in research seminar and actual research activity in the laboratory.	Offered exclusively for students in the Medical Scientists Program. Lecture is conducted in English. face-to-face
HE40113	Graduation Research	3	8.0	4	SprABC, FallAB	by request		Shibuya Kazuko	The aim of this course is to learn the knowledge of medical sciences and problem-solving skills through a research in laboratories. The students can select their theme from a variety of fields in medical sciences based on their own interests.	医療科学類国際医療科学専攻学生に限る。Lecture is conducted in English. face-to-face
HE40131	Clinical Hematology	1	2.0	3	FallABC	by request		Obara Naoshi	血液の組成、血液の生理的機能、血球の産生とその調節機構、造血因子および造血微小循環などについて教授する。主要な血液疾患の病態生理とその診断のための血液学的検査法の原理と手法、血球の形態学的検査の原理と手法について教授する。白血病の病理的診断(FAB分類)、リンパ腫の病理的診断法を教授する。	Students should obtain permission of the instructor before taking this course. Basically online lessons. Lecture is conducted in English. Details will be announced. Online (Asynchronous)

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HE40141	Coagulation and Fibrinolysis	1	1.0	3	Fall/ABC	by request		Obara Naoshi	血液の凝固・線溶液系の生理的機構を教授し、その失調に伴う出血傾向や血栓症に関する基本的検査法について教授する。凝固・線溶系の検査法の原理と手法、血小板の機能検査の原理と手法について教授する。	Students should obtain permission of the instructor before taking this course. Basically online lessons. This course for English program students. Lecture is conducted in English. Details will be announced. . Online (Asynchronous)
HE40151	Clinical Pathophysiology	1	2.0	3	Fall/AB	Intensive		Aita Yuichi	様々な疾患についての病態生理について詳細に教授する。またそれらの病態と各種臨床検査の成績との関連について解説し、様々な病態において変化する血液酵素などの成分の変動の仕組みを理解させる。患者からもたらされる臨床検査の情報をいかに的確に診断や治療に応用したら良いのか、基本的なものの考え方を十分理解させる。	Students should obtain permission of the instructor before taking this course. This course will not be provided in 2022. Lecture is conducted in English.
HE40161	Topics in Vascular Biology	1	1.0	3, 4	Fall/AB	Intensive	4B119	Yanagisawa Hiromi, YAMASHIRO YOSHITO, KIMURA KENICHI, Ishii Ryutaro	To provide basic knowledge and understanding of vascular biology, ranging from normal vascular development and physiology to molecular mechanisms of vascular diseases, as well as novel diagnostic and therapeutic approaches. The course aims to solicit active participation of students in lectures and journal clubs.	医療科学類学生に限る。原則英語、場合によっては日本語でも授業。Lecture is conducted in English. Details will be announced. . face-to-face
HE40201	Immunology	1	2.0	3, 4	Annual	by request		Shibuya Akira, Shibuya Kazuko, Tahara Satoko, Oda Chigusa	免疫システムの基本を学ぶとともに、免疫学の最近のトピックスを紹介し、議論する。	This course for English program students. Lecture is conducted in English. Hybrid or Others
HE40231	Clinical Pharmacology	1	1.0	3	Spr/C	by request 3		Ohbayashi Norihiko, Funakoshi Yuji	臨床で用いられるいろいろな薬物について、特有の効果を発現するメカニズムについて学ぶ。薬物の適応症と禁忌について理解させる。これらを通じて生体機能についての理解を深める。	This course for English program students. Lecture is conducted in English. 7/6, 7/7, 7/13, 7/14, 7/20, 7/21, 7/27, 7/28, 8/3, 8/4 face-to-face
HE40263	Seminar on Medical Sciences	3	1.0	3	Annual	by request		Shibuya Kazuko	医科学に関する演習課題について主体的に調査、解答を行い、医科学の理解をさらに深める。	This course for English program students. Lecture is conducted in English. face-to-face
HE40272	Research Seminar	2	2.0	3	Fall/BC	by request		Shibuya Kazuko	The students will select their theme from a variety of fields in medical sciences based on their own interests, and participate in research seminar and actual research activity in the laboratory.	Offered exclusively for students in the Medical Scientists Program. Lecture is conducted in English. face-to-face
HE40273	Graduation Research	3	8.0	4	Annual	by request		Shibuya Kazuko	指導教員の指導のもとにテーマを設定して研究を行う。これにより医科学研究遂行に必要な基礎的技術の修得および問題解決能力の体得を図る。	This course for English program students. Lecture is conducted in English. face-to-face
HE41170	International Forum on Medical Biology Research	0	1.0	2 - 4	Annual	by request		Morikawa Kazuya	Students will participate in international meeting in the field related to their own research, or participate in research activity in overseas laboratory.	Lecture is conducted in English. face-to-face
HE41175	Training Abroad on Medical Biology	5	1.0	3, 4	Annual	by request		Morikawa Kazuya	Students study at foreign university or enroll in an approved international program regarding medical related field.	医療科学類生に限る。Lecture is conducted in English. face-to-face
HE41181	Workshop for Medical Science Students	1	1.0	3	Fall/C	Wed1, 2		Ho Kiong	英語環境で行う自主的な活動を通して積極的なコミュニケーションの姿勢を身につける。	医療科学類生に限る。平成31年度以降入学者用。Lecture is conducted in English. Online (Synchronous)
HE41190	International Forum on Medical Biology Research II	0	1.0	2 - 4	Annual	by request		Morikawa Kazuya	Students will participate in international meeting in the field related to their own research, or participate in research activity in overseas laboratory.	医療科学類生に限る。Lecture is conducted in English. face-to-face
HE41200	International Forum on Medical Biology Research III	0	1.0	2 - 4	Annual	by request		Morikawa Kazuya	Students will participate in international meeting in the field related to their own research, or participate in research activity in overseas laboratory.	医療科学類生に限る。Lecture is conducted in English. face-to-face
HE41210	International Forum on Medical Biology Research IV	0	1.0	2 - 4	Annual	by request		Morikawa Kazuya	国際学会参加や短期間の調査研究をとおして、海外の担当者あるいは研究者と意見交換し、国際的な研究の動向を把握し、自身のキャリアに活かす。	医療科学類学生に限る。Lecture is conducted in English. face-to-face

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HE41215	Training Abroad on Medical Biology II	5	1.0	3, 4	Annual	by request		Morikawa Kazuya	Students study at foreign university or enroll in an approved international program regarding medical related field.	医療科学類生に限る。Lecture is conducted in English. face-to-face
HE41220	International Forum on Medical Biology Research V	0	1.0	2 - 4	Annual	by request		Morikawa Kazuya	国際学会参加や短期間の調査研究をとおして、海外の担当者あるいは研究者と意見交換し、国際的な研究の動向を把握し、自身のキャリアに活かす。	医療科学類生に限る。Lecture is conducted in English. face-to-face
HE41225	Training Abroad on Medical Biology III	5	1.0	3, 4	Annual	by request		Morikawa Kazuya	Students study at foreign university or enroll in an approved international program regarding medical related field.	医療科学類生に限る。Lecture is conducted in English. face-to-face
HE41241	Genetic Testing and Chromosome Analysis	1	1.0	3	SprBC	by request		Noguchi Emiko, Miyadera Hiroko	Students will learn the basic knowledge of DNA, chromosome and genetics of the diseases through lectures and e-learning. The date of the classes will be announced. The instructor will provide materials (handout, text and e-learning materials) and students are expected to learn the materials prior to the class. At the class, the instructor and tudents will discuss the contents of the materials provided and students will take short tests.	This course for English program students Lecture is conducted in English. Details will be announced.