

Course Coding(科目ナンバー)	Year/Semester/Term(年度・学期)	Faculty Offering Course(時間割所属・時間割コード)	Eligible Student Year(開講年次)	Credits(単位数)	Weekday and Period(曜日・時限)
RDM7-028-81-1	2025whole year	Graduate School of Medical Sciences (25590)	1, 2, 3, 4	2	others
Course Title(Theme)(科目名(講義題目))			Instructor(s)(担当教員)		
Special Lecture II on Infectious Diseases and AIDS(Special Lecture II on Infectious Diseases and AIDS (F2))			UENO Takamasa, GATANAGA Hiroyuki, SUGIURA Wataru, WATANABE Koji, YAMAMOTO Hiroyuki, TACHIKAWA Ai, MATANO Tetsuro, MAEDA Kenji, NAKAHATA Shingo, NOMURA Takushi,SUGATA Kenji, TAKAHASHI Naofumi		
Goals with their ratio(学修成果とその割合)					
1.Advanced expert knowledge, skill and research capability ……25% 2.Profound inter-disciplinary knowledge ……35% 3.Global perspective and ability to take initiative action ……35% 4.Social leadership drive ……5%					
Type of Class(授業の形態)		Lecture			
Teaching Method(授業の方法)		PowerPoint will be used in the lectures, and active participation in the discussion is encouraged. Extra classes or video lectures are considered for those who are regularly absent for unavoidable reasons. (Before starting this course students will be informed of the individual lecture style of instructors in detail.)			
Course Goals(授業の目的)		The aim of this lecture series “Special Lecture II on Infectious Diseases and AIDS” is to learn following topics important for clinical, epidemiological and social science research of infectious diseases: (1) diagnosis and treatment of infections, (2) pathogenesis and complications in infectious diseases, (3) principles in medical statistics, (4) Surveillance and epidemiology in infections at domestic and global levels, (5) prevention of transmission and educational approaches to high risk groups, (6) antiviral drugs and viral resistance to drugs.			
Course Learning goals(学修目標)		【A level (A水準)】 Students will learn following topics important for clinical, epidemiological and social science research of infectious diseases: (1) diagnosis and treatment of infections, (2) pathogenesis and complications in infectious diseases, (3) principles in medical statistics, (4) Surveillance and epidemiology in infections at domestic and global levels, (5) prevention of transmission and educational approaches to high risk groups, (6) antiviral drugs and viral resistance to drugs. 【C level (C水準)】 Students will learn following topics important for clinical, epidemiological and social science research of infectious diseases: (1) diagnosis and treatment of infections, (2) pathogenesis and complications in infectious diseases, (3) principles in medical statistics, (4) Surveillance and epidemiology in infections at domestic and global levels, (5) prevention of transmission and educational approaches to high risk groups, (6) antiviral drugs and viral resistance to drugs.			
Course Outline(授業の概要)		It would not be an overstatement if we say the history of mankind has been a long history of fight against infectious diseases. Researches on infectious diseases have been contributed enormously to the health and longevity of the life in developed nations at present. Development of diagnosis and treatment strategy against infectious diseases, management of comorbidities and complication, surveillance of infections, understanding epidemics provided a big impact to our society. These accomplishments have been made possible by accumulation and collaboration of research studies in clinical sciences, epidemiology, and social sciences. The up-to-date research results including the lecturers’ own experiences will be presented. In addition, students are expected to learn principles of statistical approaches in medical sciences.			
Details for Individual Classes(各回の授業内容)					
No.(回)	Date(月日)	Class Theme(授業テーマ)	Brief Outline of Class(内容概略)		
1		Hiroyuki Gatanaga 【eE-0】	Diagnosis and treatment of HIV infection		
2		Hiroyuki Gatanaga 【eE-0】	Clinical pharmacology and long-term toxicity of antiviral agents		
3		Wataru Sugiura 【eE-0】	Current issues in global infections		
4		Wataru Sugiura 【eE-0】	Genomics in Infectious diseases		
5		Watanabe Koji 【eE-0】	opportunistic infection among progressed HIV infected patients		
6		Watanabe Koji 【eE-0】	Epidemiological strategy based on the size of transmission source		
7		Hiroyuki Yamamoto 【eE-0】	Antiviral immunity: defense versus perturbation		
8		Hiroyuki Yamamoto 【eE-0】	Adaptive immune responses in HIV/SIV infection		
9		Ai Tachikawa 【eE-0】	Novel approaches in immunotherapy		
10		Tetsuro Matano 【eE-0】	Vaccine-based control of infectious diseases		
11		Kenji Maeda 【eE-0】	Development of antiviral therapy against viral infection		
12		Shingo Nakahata 【eE-0】	Oncology in the area of viral infectious diseases		
13		Takushi Nomura 【eE-0】	Animal models for control of infectious diseases		
14		Kenji Sugata 【eE-0】	Antigen presentation and T cell response of infectious disease		
15		Naoumi Takahashi 【eE-0】	Issues regarding viral persistence		
Estimated out-of-class study time		This course consists of content that requires 90 hours of study. Since the class is 30 hours long, the equivalent of 60 hours of prior and post-course study is required.			
Required Textbook(テキスト)		Textbooks are not specified, and handouts will be distributed.			
Reading List(参考文献)		“AIDS info Web site; http://AIDSinfo.nih.gov . Atlas of AIDS 3rd edition; Current Medicine, Inc.,2001. (edited by G,L.Mandelland D.Mildvan.) Harrison’ s principles of internal medicine 16th ed.			

Enrollment Conditions(履修条件)	
Assessment Methods and Criteria(評価方法・基準)	Evaluation will be done based on active class participation, examination test and/or report for subjects by each lecturer. In order to get credits students have to take more than 2/3 lectures. Grading will be based on the average of top 5 scores among ones obtained by the student.
Language Used in Instruction(使用言語)	English
Textbook/Material Language(教科書・資料の言語)	English
Course Based on Practical Work Experience(実務経験を活かした授業)	Not applicable