

Course number	Name of the Course			Japanese Name	
HE33013	Practice of Medical Microbiology			病原微生物学実習	
Class	Unit	Module	Week	Time	Room
3 <sup>rd</sup> year	1.5	Spring AB	Intensive	4-5 <sup>th</sup> Fri. 5-6 <sup>th</sup>	4B112
Instructors (Office • Tel • email • Office hour)					
Kazuya Morikawa, Shinji Saito, Yukinori Kozuma et al. Office: 4B407 E-mail: morikawa.kazuya,ga@u.tsukuba.ac.jp					
Objectives					
This course covers practical medical-microbiology techniques. Students will learn fundamental techniques in clinical microbiology, including identification methods of pathogenic bacteria, measurement of antibiotics effect, and observation of parasites etc.					
Language: <input checked="" type="checkbox"/> / <input type="checkbox"/> Japanese、 <input type="checkbox"/> English、 <input checked="" type="checkbox"/> Bilingual					
	日程	担当教員	授業概要		
1	1 <sup>st</sup> week (5/22-5/19)	Morikawa et al.	<ul style="list-style-type: none"> <li>• Identification of pathogenic bacteria I</li> <li>• Observation of fungal pathogens</li> </ul>		
2	2 <sup>nd</sup> week (5/29-6/2)	Morikawa et al.	<ul style="list-style-type: none"> <li>• Identification of pathogenic bacteria II</li> <li>• Detection of bacterial toxins</li> <li>• Clinical test for tuberculosis</li> </ul>		
3	3 <sup>rd</sup> week (6/5-6/9)	Morikawa et al.	<ul style="list-style-type: none"> <li>• protozoa, malaria</li> <li>• helminth, parasites eggs</li> <li>• Anisakis</li> </ul>		
Levels for credit needed		Minimal requirement for credit grant (criteria common to all practical subjects of Sch. Med. Sci.): 1) At least 2/3 attendance to the class, and 2) Submission of reports evaluated as Grade C or higher.			
Text and materials		Photocopies			
Grade evaluation		In addition to performance in the class and the report evaluation, examinations may be underwent for particular subjects. For this subjected, evaluation is made by <b>【Report, Attendance】</b> .			
Remarks : Lab coat and indoor shoes must be prepared and exclusively used for this practice. The order of course schedule may change.					