

Course number	Name of the Course			Japanese Name	
HE40033	Practice of Microbiology			微生物学実習	
Class	Unit	Module	Week	Time	Room
1	1	Fall	Intensive	4~5th	4B112
Instructors (Office・Tel・email・Office hour)					
Kazuya Morikawa, Shinji Saito, Miki Goto, Masato Higashide Office: 4B407 E-mail: morikawa.kazuya,ga@u.tsukuba.ac.jp					
Objectives					
This course covers a variety of microbiological techniques, including sterile technique and microscopy, with experiments designed to illustrate fundamental concepts of bacteriology. Students will be engaged in achieving basic bacteriological techniques, and understanding some fundamental characteristics of bacteria.					
Language: <input checked="" type="checkbox"/> / <input type="checkbox"/> Japanese、 <input type="checkbox"/> English、 <input checked="" type="checkbox"/> Bilingual					
	Date	Name of instructor	Lecture outline		
1	1/28	Morikawa et al.	sterile technique		
2	1/29	”	medium preparation		
3	1/30	”	gram-staining		
4	1/31	”	gram-staining		
5	2/4	”	other staining methods		
6	2/5	”	other staining methods		
7	2/6	”	anaerobic and aerobic bacteria		
8	2/7	”	antibiotics susceptibility test		
9	2/12	”	test technique		
10	2/13	”	summary		
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 【 Report, Technique test, Attendance】				
Remarks : Lab coat and indoor shoes must be prepared and exclusively used for this practice. The order of course schedule may change.					