

Course number	Name of the Course			Japanese Name	
HE11023	Biology: Laboratory			生物学実験	
Grade	Unit	Module	Day of Week	Period of Time	Room
1st	0.5	Autumn-A	Friday	4th & 5th	4B・113 & 211
Instructors (Office・Tel・email・Office hour)					
<p>Dr. Manabu Matsuda (Medical Research Building #334, 029-853-7886, matsudam@md.tsukuba.ac.jp, Any time after the previous appointment via phone and/or e-mail)</p> <p>Dr. Hideo Masu (4B218・8092・After 5 pm)</p>					
Objectives					
This course is aimed to make students acquire basic methods and practical skills on biological research enough to study medical sciences further.					
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	6 Oct	Dr. M. Matsuda	Cells under microscopy		
2	13 Oct	Dr. M. Matsuda Dr. H. Masu	Anatomy of mice		
3	20 Oct	Dr. M. Matsuda Dr. H. Masu	Regulation of blood glucose by hormones		
4	27 Oct	Dr. M. Matsuda	Encounter with diversity of plants in Tsukuba Botanical Garden		
5	1 Nov <u>Wed</u>	Dr. M. Matsuda	Physiology of chromatophores		
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	An original booklet will be provided				
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 【 Attitude and paper】				
Remarks : Master how to use “manaba” beforehand. Lecture is carried out basically in Japanese, while handout written in English is available. Important safety information will also be provided in English.					