

Course number	Name of the Course			Japanese Name	
HE32 053	Practice of Genetic Testing			遺伝子検査学実習	
Class	Unit	Module	Week	Time	Room
3 year	1 unit	Spring A	Intensive	hour	4B112
Instructors (Office・Tel・email・Office hour)					
Emiko Noguchi (enoguchi@md.tsukuba.ac.jp) TEL 3177 Hiroko Miyadera					
Objectives					
In this course, students will learn mutation analysis of DNA in human, DNA cloning method, and chromosome analysis. Students will also learn how to get genome information by using public database.					
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	April 26	Emiko Noguchi Hiroko Miyadera	DNA extraction and genetic testing(1)		
2	May 1	Emiko Noguchi Hiroko Miyadera	Genetic testing(2)		
3	May 2	Emiko Noguchi Hiroko Miyadera	Chromosomal analysis		
4	May 7	Emiko Noguchi Hiroko Miyadera	TA cloning and transformation		
5	May 8	Emiko Noguchi Hiroko Miyadera	Colony pick up		
6	May 9	Emiko Noguchi Hiroko Miyadera	DNA extraction from plasmid		
7	May 10	Emiko Noguchi Hiroko Miyadera	Genome database practice		
Levels for credit needed	Class attendance and report submission				
Text and materials	Will be provided				
Grade evaluation	Class attendance and report submission				
Remarks :					
Students must take Lecture for Recombinant DNA Experiment offered by the University prior to this course.					