

Course number	Name of the Course			Japanese Name	
HE41241	Genetic Testing and Chromosome Analysis			遺伝子検査学	
Class	Unit	Module	Week	Time	Room
3 year	1 unit	Spring C	Thursday	4-5th	Innovation bld.701
Instructors (Office・Tel・email・Office hour)					
Emiko Noguchi (enoguchi@md.tsukuba.ac.jp) TEL 3177					
Objectives					
Students will learn the basic knowledge of DNA, chromosome and genetics of the diseases through lectures and e-learning. The date of the classes will be announced. The instructor will provide materials (handout, text and e-learning materials) and students are expected to learn the materials prior to the class. At the class, the instructor and students will discuss the contents of the materials provided and students will take short tests.					
Language: ☒ / ☐ Japanese、 ☒ English、 ☐ Bilingual					
	Date	Name of instructor	Lecture outline		
1	7/6	Emiko Noguchi	Introduction of Human Genetics (1)		
2	7/6	Emiko Noguchi	Introduction of Human Genetics (2)		
3	7/13	Emiko Noguchi	Mendelian Diseases		
4	7/13	Emiko Noguchi	Complex genetic diseases		
5	7/20	Emiko Noguchi	Chromosomal Diseases (1)		
6	7/20	Emiko Noguchi	Chromosomal Diseases (2)		
7	7/27	Emiko Noguchi	Topics in Genetic Research (1)		
8	7/27	Emiko Noguchi	Topics in Genetic Research (2)		
9	7/3	Emiko Noguchi	Genetic Counseling		
10	7/3	Emiko Noguchi	Final Exam		
Levels for credit needed		Class attendance and exam			
Text and materials		e-learning materials and handout			
Grade evaluation		Class attendance and test			
Remarks :					