

Course number	Name of the Course			Japanese Name	
HE40091	Topics in Medical Sciences			医療科学特論Ⅱ	
Class	Unit	Module	Week	Time	Room
4 th year	1 unit	Spring A, B	Tuesday	4 th period	4B119
Instructors (Office · Tel · email · Office hour)					
HISATAKE, Koji (Innovation building 402-3 · x3929 · kojihisa@md.tsukuba.ac.jp · please contact by e-mail before office visit)					
Objectives					
Introduction and discussion on basic topics in Molecular Biology and application to medical sciences.					
Language: <input checked="" type="checkbox"/> / <input type="checkbox"/> Japanese、 <input checked="" type="checkbox"/> English、 <input type="checkbox"/> Bilingual					
	Date	Name of instructor	Lecture outline		
1	4/17	Hisatake	Mobile DNA Sequences in the Genome I		
2	4/24	Hisatake	Mobile DNA Sequences in the Genome II		
3	5/ 1	Hisatake	Epigenetic Modifications of the Genome I		
4	5/ 8	Hisatake	Epigenetic Modifications of the Genome II		
5	5/15	Hisatake	Epigenetic Modifications of the Genome III		
6	5/22	Hisatake	Epigenetic Modifications of the Genome IV		
7	5/29	Hisatake	RNA Interference Regulates Gene Action I		
8	6/ 5	Hisatake	RNA Interference Regulates Gene Action II		
9	6/12	Hisatake	How the Human Genome Was Sequenced		
10	6/19	Hisatake	Final Examination		
Levels for credit needed	To understand the basic facts about genetic and epigenetic phenomena				
Text and materials	Recombinant DNA (3 rd Edition) Genes and Genomes - A Short Course				
Grade evaluation	Class attendance, Examination				
Remarks : Students should read the corresponding chapter of the textbook before each class.					