

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	4B 119
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	4/18	Hisatake	Mobile DNA Sequences in the Genome I		
2	4/25	Hisatake	Mobile DNA Sequences in the Genome II		
3	5/ 2	Hisatake	Epigenetic Modifications of the Genome I		
4	5/ 9	Hisatake	Epigenetic Modifications of the Genome II		
5	5/16	Hisatake	Epigenetic Modifications of the Genome III		
6	5/23	Hisatake	Epigenetic Modifications of the Genome IV		
7	5/30	Hisatake	RNA Interference Regulates Gene Action I		
8	6/ 6	Hisatake	RNA Interference Regulates Gene Action II		
9	6/13	Hisatake	How the Human Genome Was Sequenced		
10	6/20	Hisatake	Final Examination		
Levels for credit needed	To understand the basic facts about genetic and epigenetic phenomena				
Text and materials	Recombinant DNA (3rd 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.					