

(SYLLABUS)

1. (*)

Item with (*) are only for the ABEEK Program.

(Year)	2016		(Semester)	2	
(Instructor)			(Course Title)	NGS	
(Course No.)	2150695501	(Class)	01	(Course Classification)	- /
(Open to)		(Credit)	3	(Class hour per week)	3
(*) (ABEEK Classification)		(*) (ABEEK Requirement)		(Department)	
(Office)	610	(Telephone)		(e - mail)	
(*) (Teaching Assistant)		(*) (Office Hour)			
(Course Description)	Next - Generation Sequencing (NGS) 가 NGS , NGS , Q&A				
(Course Objectives)					
(Lecture Type)	(50 %)	(50 %)	(00 %)	(00 %)	
가 (Course Grading)	()				
(Required Texts)	* (URL,)/http://www.ebi.ac.uk/training/online/course/ebi-next-generation-sequencing-practical-course/European Bioinformatics Inst./European Bioinformat/2014				
(*) (Bulletin Board)					
(*) (Prerequisite Courses)					

2.

(Week)	(Keyword)	(Description)	(Texts)	(Note)
1		NGS		
2		Next Generation Sequencing Sanger sequencing		
3	NGS	FASTQ		
4	NGS QC	NGS		
5	NGS	NGS		
6	NGS	NGS		

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(Week)	(Keyword)	(Description)	(Texts)	(Note)
7	Variant visualization	가		
8		1~7		
9	K - mer	K - mer		
10				
11	Unmapped reads	SOAPdenovo unmapped reads		
12	Unmapped	blast unmapped		
13	Exome - seq	exon exome - seq		
14	human exome - seq	exome - seq bam		
15	vcf annotation	vcf		
16		9~15		

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3. 가 (*)

				가	
1	가		Problem - based learning		
2	가		Problem - based learning		
7					
8					