

(SYLLABUS)

1. (*)

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

(Year)	2016		(Semester)	1	
(Instructor)			(Course Title)		
(Course No.)	2150687801	(Class)	01	(Course Classification)	- / -
	100				
(Open to)		(Credit)	3	(Class hour per week)	3
(*) (ABEEK Classification)		(*) (ABEEK Requirement)		(Department)	
(Office)		(Telephone)		(e-mail)	
(*) (Teaching Assistant)		(*) (Office Hour)			
(Course Description)	가 5 가 . 가 data IT 가 data " 가				
(Ssq)	(Course Objectives)				
1	bigdata				
(Lecture Type)	(70 %)	(30 %)	(00 %)	(00 %)	
가 (Course Grading)	(50%), (50%)				
(Required Texts)	* /An introduction to Chemoinformatics/Leach & Gillet/Kluwer Academic Publ/2003				
(*) (Bulletin Board)					
(*) (Prerequisite Courses)					

2.

(Week)	(Keyword)	(Description)	(Texts)	(Note)
1	Linux	Introduction		
2	Computer Cluster	Computer Cluster		
3	Chemoinformatics			
4	2D data	2D data		
5	3D data	3D data		

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(Week)	(Keyword)	(Description)	(Texts)	(Note)
6	Dragon	Descriptor descriptor		
7	Openbabel	Openbabel % RDKit		
8	iChemit	iChemit		
9	QSAR	QSAR & PCA		
10	MLR	Least Square Fit & Multiple Linear Regression		
11	PCR	PCR & PLS		
12	GA	Genetic Algorithm		
13	Classification	Supervised Learning		
14	Clustering	Unsupervised Learning		
15	ANN	Deep Learning		
16	가			

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3. 가 (*)

				가	
		가		가	1
		가		가	2
			data	가	7

