Course title	Code	semester	T+U	credit	ECTS
Data mining		5	3+0	3	4

Prerequisite Courses	None
Language of the Course	English
Course Level	Undergraduate
Type of Course	Optional
Course Coordinator	
Instructors	
Course Assistants	
The aim of lesson	The general aim of this course is; parallel to the evolution of backup media making the increasing data stacks useful, decision support systems how to perform the actions necessary to provide useful information for teaching it. Confidential information, patterns and rules in the data how the data can be made comprehensible and the findings obtained Giving assessment methods is aimed in this course.
Course Content	Data analysis, text and web with classification, clustering and association rules mining .
Course Learning Outcomes	Students who successfully complete this course; one. Define the concept of data mining, 2. Can design data mining programs, 3. Will be able to explain various applications of data mining.

Weeks	Topics
one	Introduction to data mining
2	Data
3	Data Preprocessing
4	Classification with Decision Trees
5	Classification and Evaluation
6	K-means algorithm
7	K-means algorithm
8	Memory Based Classification
9	Statistical Classification Models
10	Clustering
11th	Association Rules
12	Text and Web Mining
13	Advanced data mining algorithms
14	Programs to implement data mining algorithms

General Competencies

Being able to design algorithms with data mining issues, programming language and software in this field. development is important in students' evaluations.

resources

Jiawei H., Kamber M., "Data Mining: Concept and Techniques", Mitchell Press, 2001.
Özkan Y. ,“Data Mining Methods”, Papatya Publishing, 2008

Evaluation System

The dates, days and hours of the Midterm Exam, Quiz, Final Exam and Evaluations will be announced later, according to the decision of the Faculty Administrative Board.

	WITH PROGRAM LEARNING OUTCOMES COURSE LEARNING OUTCOMES RELATIONSHIP TABLE										
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
LO1	5	5	5	5	4	4	4	5	5	4	4
LO2	5	4	4	4	4	3	3	3	5	4	5
LO3	5	5	5	4	4	3	3	3	3	3	3
LO: Learning Outcomes OP: Program Outcomes											
Contribution Level	**1 Very Low**		**2 Low**		**3 Medium**		**4 High**		**5 Very High**		

Relation of Program Outcomes and Related Course

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
Data mining	5	5	5	4	4	3	3	4	4	4	4