BMUH 564 Data Mining

Course Code:	BMUH 564
UTAA Credit (Theoretical-Laboratory hours/week):	3(3-0)
ECTS Credit:	6.0
Department:	Electrical and Computer Engineering
Language of Instruction:	English
Level of Study:	Graduate
Offered Semester:	Fall and Spring Semesters.

Course Objectives

The students will gain understanding of procedures on how to extract interesting patterns on large datasets using artificial intelligence methods and the latest research problems in this area will be discussed

Course Content

Introduction to data mining, data preprocessing and cleaning, classification methods, clustering, mining of frequently observed patterns, association rule mining, series analysis and sequence mining, data mining over the Web, data mining applications, data mining tools

Course Learning Outcomes

1-Gain comprehension on data mining subjects over various fields and critical aspects while mining data, gain programming skills for developing applications associated to data mining subjects

2-Contribute to the latest developments and solutions to existing problems in data mining research