BMUH 566 Information Retrieval

Course Code:	BMUH 566
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 course is aimed at an entry level study of information retrieval and data mining techniques. It is about how to find relevant information and subsequently extract meaningful patterns out of it. While the mathematical models of information retrieval and data mining are covered, the course is also focused on document indexing, relevance ranking, Web mining, textual analysis algorithms and their performances evaluations

Course Content

Mathematical models on data mining and information retrieval, document indexing, relevance ranking, Web mining, textual analytics algorithms as well as their evaluations performance

Course Learning Outcomes

1-Understand the basic algorithms and techniques for Information Retrieval

2-Learn the analysis methods of Information Retrieval and Data Mining

3-Use relevance ranking and basic probabilistic retrieval methods

4-Use widely preferred algorithms in Web search engines and recommender systems