

BMUH 567 Semantic Web

Course Code:	BMUH 567
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 will introduce the notion of the Semantic Web, provide an overview of the underlying theory and technology, cover existing tools and practices, and highlight potential applications. Students will be expected to read, discuss and examine research papers

Course Content

XML, RDF, RDFS, JSON, SPARQL, OWL

Course Learning Outcomes

- 1-Understand the notion of semantic Web
- 2-Gain information on the tools and infrastructure of the Semantic Web
- 3-Have the necessary skills in order to join discussions on scientific subjects
- 4-Have an expert view on the infrastructure of information on the Web, its automation in various applications, integration and reusability