

# BMUH 561 Artificial Intelligence

<b>Course Code:</b>	BMUH 561
<b>UTAA Credit (Theoretical-Laboratory hours/week):</b>	3(3-0)
<b>ECTS Credit:</b>	6.0
<b>Department:</b>	Electrical and Computer Engineering
<b>Language of Instruction:</b>	English
<b>Level of Study:</b>	Graduate
<b>Offered Semester:</b>	Fall and Spring Semesters.

## Course Objectives

The aim of this course is to give basic introduction to Artificial Intelligence (AI). Students will learn how to solve various problems using AI algorithms.

## Course Content

Learn the basic AI techniques, the problems for which they are applicable and their limitations. Topics covered include search (solving puzzles, playing games), logical inference (drawing conclusions from data), expert systems, natural language processing and machine learning with artificial intelligence.

## Course Learning Outcomes

- 1-Understand basic concepts and techniques of AI
- 2-Understand AI by applying it, i.e. developing machine and programs acting like human and animals.
- 3-Comprehend common methods of AI and how to use them
- 4-Understand how to solve engineering problems with AI algorithms