Course Name	Course Code	Semester	T + P	Credit	ECTS
Artificial Intelligence		6	3 + 0	3	5

Prerequisite Courses	None

Language of Course	Turkish
Course class	compulsory
Coordinator of Course	
Instructor	
Course Assistant	
Objective of Course	This course is aimed at general purpose students; various artificial intelligence approaches, basic concepts, solutions of problems requiring search, ways of expressing knowledge, learning algorithms, knowledge and skills in advanced artificial intelligence.
Course Learning Output	The design skill of intelligent programs Ability to apply mathematics, science and engineering knowledge in intelligent systems
Course Contents	Artificial intelligence concepts ., Unannounced and informed research; blind search, herustic search, information and inquiry; learning theory, learning types, artificial neural networks, uncertainty, probability, planning, natural language processing, image, low-level image and classification, advanced artificial intelligence applications; learning, image detection, questioning in case of uncertainty.

Weeks	Topics
1	Artificial intelligence login,
2	Artificial intelligence approaches and basic concepts
3	Solving problems that require search
4	Artificial neural networks and basic elements
5	The first artificial neural networks (TKA, Perseptron , Adaline, Madaline)
6	Multilayer sensors (MDA)
7	MIDTERM
8	Problem solving with multi-layer sensor
9	Adaptive resonance theory (ART) networks
10	Problem solving with artificial neural networks
11	Introduction to genetic algorithms and basic concepts
12	Sample problem solutions with genetic algorithms
13	Endüstride artificial intelligence applications
14	Endüstride artificial intelligence applications
15	FINAL EXAM

General Sufficiency
In evaluations, it is important for students to understand the main points of this lesson and use it in engineering applications.
References
- Cawsey, A: the essence Ugh Artificial Intelligence, Prentice-Hall, 1998 - Russell SJ & Norvig P Artificial Intelligence: A Modern Approach, (2 nd edition) - Winston PH, Artificial Intelligence (3rd Edition) (ISBN 0-201-533-774). Addison Wesley 1992
Assessment
Midterm exam: 40%, Final exam: 60%; Project or homework evaluations can be made at the beginning of the semester.