AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF SOCIAL SCIENCES
MANAGEMENT INFORMATION SYSTEMS
MANAGEMENT INFORMATION SYSTEMS
MANAGEMENT INFORMATION SYSTEMS MASTER
COURSE INFORMATION FORM

Course Title	Business Intelligence								
Course Code	MIS529		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	7	Workload	180 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	Is to introduce the methods benefited in intelligent system applications								
Course Content	Introduction To Artificial Intelligence, Natural-Artificial İntelligence, Expert Systems, Learning, Artificial Neural Networks, Genetic Algorithms, Fuzzy Logic, İnteligent Agents								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study, Project Based Study, Individual Study, Problem Solving								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Artificial Intelligence: A Modern Approach Peter Norvig

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to Artificial Intelligence and basic concepts: What is Artificial Intelligence?
2	Theoretical	The concept of natural and artificial intelligence and Decision Support Sytems
3	Theoretical	The features of intelligent systems and intelligent decision support systems
4	Theoretical	The basic components of intelligent decision support system
5	Theoretical	Expert systems-1
6	Theoretical	Fuzzy logic
7	Theoretical	Decision Support Systems
8	Intermediate Exam	Midterm
9	Theoretical	Learning
10	Theoretical	Artificial Neural Networks-1
11	Theoretical	Artificial Neural Networks-2
12	Theoretical	Genetic Algorithms
13	Theoretical	Other biologic heuristic techniques
14	Theoretical	Intelligent agents

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	16	3	3	96
Individual Work	16	1	3	64
Midterm Examination	1	1	5	6
Final Examination	1	9	5	14
			Total Workload (Hours)	180
			[Total Workload (Hours) / 25*] = **ECTS**	7
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Intelligent systems and analysis on its importance
2	Criticising the kinds of intelligent systems and evaluating with comparison

3	Introduction , definition, depiction and comparison of the concepts of intelligent systems and Technologies from the enterprise perspective
4	Criticising the differences between intelligent and information systems and detecting the patterns
5	Database design and creation
6	Analysis on the applications of intelligent systems to business environment , criticising in accordance with the criteria and providing solutions.

Programme Outcomes *(Management Information Systems Master)*	
1	Be aware of the different types of ınformation technologies and systems using in business, have enough knowledge to design a suitable system
2	Analyse the needs for an information systems and have control over the processes at the analysis, design and implementation stages of the database that belongs to the system
3	Convey information about current trends and their own studies both verbally and visually ways.
4	Be able to follow current developments in modern business techniques and technologies, especially information technologies
5	Understand the interaction between his departmant and other relational departmants, if necessary make a team, take responsibility and do the works with team.
6	Know the information technologies and systems using in different types of business, if necessary take the system responsibility.
7	Be aware of the social transformation especially in their own field and social, legal and moral responsbilities belongs to other work field.
8	Develop their knowledge to the level of expertise which they learn them in license level.
9	Carry out a work which requires an expertness in their field.
10	Construct and perform an academic work.

Contribution of Learning Outcomes to Programme Outcomes *1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High*

	L1	L2	L3	L4	L5	L6
P1	4	5	4	4	4	5
P2	5	5	4			5
P3		4	4	4	4	4
P4	5	4	4	4	4	3
P5	5	5	4	4	4	3
P6	5	5	3	4	4	3
P7	5	5		4	4	4
P8	5	5	3	3	4	4
P9	5	5	3	3	5	4
P10	4		3	4	5	5