AYDIN ADNAN MENDERES UNIVERSITY
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