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

Course Title		Institutional Data and Database Management							
Course Code		MIS505		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	181 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		In today's business and business life, databases are a requirement for companies to gain competitive advantage and, at least, to meet their competitors. A well-designed and built-in database system integrated with other management information systems will provide the data and information needed to make hundreds of structured, semi-structured and unstructured decisions that middle and senior executives in the business have to take every day. A wide variety of databases are used in each department of the business. However, in order to maximize the benefit of a database, it should be carefully planned in the most effective manner in line with business needs. This requires knowledge of both management and technology. This course aims to introduce students to these systems and technologies and to work on examples without applying them.							
Course Content		Database design, unit relationship diagrams, system analysis and database management systems							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Fred R. McFadden, Jeffrey A. Hoffer, & Mary B. Prescott. Modern Database Management, 6th edition. Prenhall, 2002.

Week	Weekly Detailed Course Contents	
1	Theoretical	Database: Definition and Concepts, Importance for enterprises and policymakers
2	Theoretical	Veritabanı Proje Safhaları
3	Theoretical	Database Design Stage: ER Modelling
4	Theoretical	ER Modelling and Practices
5	Theoretical	Advanced Issues in ER Modelling and practices
6	Theoretical	Logical database design stage and relationnally model / Normality of design
7	Theoretical	Examples of design normalization
8	Theoretical	Physical design of database and issues of performance/ SQL and Basic SQL Commands
9	Intermediate Exam	Ara Sınav
10	Intermediate Exam	Midterm Exam
11	Theoretical	Advanced SQL Commands
12	Theoretical	Designing a hospital database system using MS Access
13	Theoretical	Managerial Problems about database management
14	Theoretical	Database management system of large scale institutions
15	Final Exam	Final Exam
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	16	0	3	48
Assignment	1	0	20	20
Individual Work	26	0	3	78
Quiz	2	0	5	10
Midterm Examination	1	0	10	10

Final Examination	1	0	15	15
		Total Workload (Hours)		181
		[Total Workload (Hours) / 25*] = **ECTS**		7

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Is informed of structure and importance of databases
2	Can interpret database design in the scope of principles of database design
3	Can design relevance diagrams
4	Can make design and practices with using system analysis and database management system
5	Can use basic functions in a database managenet system
6	Can fix and produce solutions to problems faced in business life about database usage

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	2	4	4	3	3	4
P2	4	4	5	4	4	5
P3	4	5	5	4	4	5
P4	5	4	5	4	4	5
P5	5	5	5	4	5	4
P6	5	4	5	5	5	4
P7		4	5	5	5	4
P8	4	4	5	5	5	4
P9	4	5	4	5	5	4
P10	4	4	5	5	5	4