AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Health Information System								
Course Code	MIS508		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	7	Workload	181 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To learn the basic concepts and applications of information systems and information technologies, which produce information that students often need to use in modern enterprises, especially healthcare institutions in the decision support process, and to discuss the purposes for which information systems can be used in hospitals and health institutions								
Course Content	Being able to make critiques about health information systems and to produce solutions								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
Name of Lecturer(s)									

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

Recommended or Required Reading	
1	Yönetim Bilişim Sistemleri Dijital İşletmeyi Yönetme Çeviri Editörü: Uğur Yozgat Beta Basım Yayım Dağıtım A.Ş.

Week	Weekly Detailed Course Contents	
1	Theoretical	Definition and history of Management Information Systems
2	Theoretical	Data-Information-Processed Information and health sector examples
3	Theoretical	Branches of Information System
4	Theoretical	Classification of Information Systems (hierarchical, functional)
5	Theoretical	Classification of Health Informatics Systems
6	Theoretical	Decision Making Process and Information Systems Support
7	Theoretical	Information Ethics and Application Examples
8	Theoretical	Hardware
9	Intermediate Exam	Midterm Exam
10	Intermediate Exam	Midterm Exam
11	Theoretical	Computer software and hardware in hospitals
12	Theoretical	Computer software and hardware in hospitals
13	Theoretical	Computer software and hardware in hospitals
14	Theoretical	Computer software and hardware in hospitals
15	Theoretical	Data security and data quality
16	Theoretical	Data security and data quality

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	Definition of data and information, differences and grasp of the importance in health institutions
2	Identification of different types of information systems and adaptation of health institutions
3	To be able to recognize, name and describe concepts related to information systems in enterprises
4	To be able to interpret the differences between information technology and information systems
5	Acquisition of database design and installation related skills and examples of hospital database applications
6	Information system and technology differentiation
7	Being able to make criticisms about the application of information systems in business world and produce 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	L7
P1	2	2	4	4	4	5	4
P2	3	4	5	5	5	4	5
P3	4	4		5	5	4	
P4	5	5	5		5	4	5
P5	5	5	5	5		4	5
P6	5	5	5	5	5	4	5
P7	5	5			5	4	5
P8	5	5		5	5	4	5
P9	5		5	5	5	4	5
P10	5	5	5	5	5	4	4