



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Use of Computers in Hospitals							
Course Code		TS307		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	76 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		To give knowledge about IT systems, Patient entry records,							
Course Content		Entering the patient tests to the programme, Knowledge about medical registration systems							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

### Recommended or Required Reading

1	Muzaffer Soysal, Hastanelerde Bilgisayar Kullanımı, MPM Yayınları, Ankara
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Week	Weekly Detailed Course Contents	
1	Theoretical	What is an IT system? Relations between medical recording systems.
2	Theoretical	IT programmes and features
3	Theoretical	Patient files in IT programmes
4	Theoretical	In-patient recordings in IT programmes
5	Theoretical	Information – Information systems in medical institutions
6	Theoretical	Medical information systems
7	Theoretical	Hospital information systems
8	Intermediate Exam	vize
9	Theoretical	Electronic Medical Recordings System
10	Theoretical	Primary fields of application in Hospital automation systems
11	Theoretical	Hospital IT systems
12	Theoretical	World Health Organization statistic data analysis
13	Theoretical	IT system survey in ADU Hospital
14	Theoretical	IT system survey in Aydın directorate of health

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Term Project	2	5	3	16
Midterm Examination	1	1	1	2
Final Examination	1	1	1	2
Total Workload (Hours)				76
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS

### Learning Outcomes

1	Computer Systems and Medical Systems used in medicine recognition
2	Create patient database.
3	To be able to use hospital automation systems.
4	To be able to automate medical laboratories.



5	To learn patient monitoring systems.
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**Programme Outcomes (First and Emergency Aid )**

1	To be able to be aware of their professional authorities and responsibilities.
2	To be able to use the principles of individual and organizational communication skills.
3	To be able to define the emergency medical services and the pre-hospital emergency medical system devices used in Turkey and the world .
4	To be able to perform physical assessment of the patient and primary and secondary inspection.
5	To be able to apply the methods of handling and transportation of the patient
6	To be able to recognize the rules of the general approach to trauma patients and to be able to be capable of handling and maintenance of trauma equipment.
7	To be able to recognize emergency vehicles' mechanical and technical equipment and to be able to drive emergency vehicles.
8	To be able to identify the principles of pre-hospital emergency care in cases of environmental emergencies.
9	To be able to identify the principles of pre-hospital emergency care in medical emergencies.
10	To be able to analyze the ECG rhythm and apply the principles of pre-hospital emergency care for rhythm Disorders.
11	To be able to recognize and apply the pre-hospital emergency care drugs and fluids.
12	To be able to identify basic life support applications, Advanced Life Support applications and Advanced air way applications.
13	To be able to recognize the principles of pre-hospital emergency during disasters.
14	To be able to protect and maintain the highest level of physical and mental health.
15	To be able to recognize human anatomy and physiology.
16	To be able to develop good communication and human relations skills with colleagues and patients.
17	To be able to apply Infection Control Methods and check infectious situations of emergency vehicles and equipment, ensure the conditions of asepsis-antisepsis and pre-hospital emergency care with Infectious Diseases.
18	To have the appropriate knowledge of medical sciences at the level of interest, to use specific medical terms and terminology of field

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

	L1	L2	L3	L4	L5
P1	4	4	4	4	4
P2	4	4	4	4	4

