



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

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|--|---|---|------------|---|---|----------------------------------|---|------------|---|
| 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

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| 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

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| 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. |



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| 5 | To learn patient monitoring systems. |
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Programme Outcomes (Anesthesia)

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| 1 | To be able to recall basic knowledge about human anatomy |
| 2 | To be able to recall the knowledge about Atatürk's principles and the history of Turkish Revolution |
| 3 | To be able to recall the knowledge about ethical and moral values |
| 4 | To be able to recall the knowledge of Turkish grammar and be able to use it |
| 5 | To be able to communicate effectively with patient, their family, and own team |
| 6 | To be able to control, use, and maintain the anesthesia machines |
| 7 | To be able to recall the information about anesthesia application in the system diseases |
| 8 | To be able to recall the issues that needed to be considered in follow-up of patients in intensive care. |
| 9 | To be able to make the patients' care in intensive care |
| 10 | To be able to apply the cardiopulmonary resuscitation. |
| 11 | To be able to apply the drug, liquid and blood to the patient. |
| 12 | To be able to apply nasogastric tube to the patient and to aspirate. |
| 13 | To be able to assist the implementation of general anesthesia to patient. |
| 14 | To be able to recall the drugs used in general and regional anesthesia and learn to use them safely. |
| 15 | PO15. Can help during the maintenance, ending and post anaesthesia process. |
| 16 | Can help the practices of anesthesia and sedation outside the operation room. |
| 17 | Can communicate at the basic level of a foreign language and use this language in his job. |
| 18 | Be able to communicate at a basic level in a foreign language and be able to use this language in professional fields |
| 19 | To have the appropriate knowledge of basic 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 |
|----|----|----|----|----|----|
| P5 | 3 | 3 | 3 | 3 | 3 |

