

DATA MANAGEMENT SYSTEMS FOR HOSPITAL

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| 1 | Course Title: | DATA MANAGEMENT SYSTEMS FOR HOSPITAL | |
| 2 | Course Code: | TDSZ112 | |
| 3 | Type of Course: | Compulsory | |
| 4 | Level of Course: | Short Cycle | |
| 5 | Year of Study: | 1 | |
| 6 | Semester: | 2 | |
| 7 | ECTS Credits Allocated: | 4.00 | |
| 8 | Theoretical (hour/week): | 2.00 | |
| 9 | Practice (hour/week): | 2.00 | |
| 10 | Laboratory (hour/week): | 0 | |
| 11 | Prerequisites: | None | |
| 12 | Language: | Turkish | |
| 13 | Mode of Delivery: | Face to face | |
| 14 | Course Coordinator: | Öğr. Gör. FİKRET CEYLAN | |
| 15 | Course Lecturers: | Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları | |
| 16 | Contact information of the Course Coordinator: | Öğr.Gör.Fikret CEYLAN e-posta: fceylan@uludag.edu.tr Tel: (0 224) 2942491 | |
| 17 | Website: | | |
| 18 | Objective of the Course: | Upon successful completion of this course, each student; today take advantage of information technologies and learn to make their business via computers and computer programs. Gain sufficient information on the Hospital Information Management Systems program successfully and be able to use packet-level knowledge and skills of Mia-MED HIMS. | |
| 19 | Contribution of the Course to Professional Development: | Knows about Hospital Information Management Systems and has an important advantage in business life as they learn how to use a program successfully | |
| 20 | Learning Outcomes: | | |
| | | 1 | Hospitals with electronic health records and disease in general learns the use of automated systems and their modules |
| | | 2 | Gains the ability use Mia-Med hospital information management system |
| | | 3 | The patient records his/her personel information in the program |
| | | 4 | Records the patient's appointment, examination and treatment information to the system |
| | | 5 | Records patients' clinical procedures |
| | | 6 | The patient's laboratory, radiology, consultation and other records and finalizes inspections |
| | | 7 | Saves report information through the system, approvals, is output |
| | | 8 | Outpatient and inpatient statistics and financial analyzes of operations for the computer takes all kinds |
| | | 9 | |
| | | 10 | |
| 21 | Course Content: | | |

| Course Content: | | |
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| Week | Theoretical | Practice |
| 1 | I-Medical Informatics and Health Information System, Health-Net Project | - |
| 2 | II-Hospital Information Systems: Hospital automation systems and handling characteristics of modules used in hospitals | - |
| 3 | III-HIMS types, basic information about MIA-MED HIMS | - |
| 4 | IV- HIMS usage... Registration of patient informations | Outpatient admissions applications |
| 5 | Recording of the program inputs and results of the tests to the patient | Editing applications outpatient appointment |
| 6 | Application module services | Outpatient data processing secretarialship |
| 7 | Treatment Services module | Outpatient data processing secretarialship |
| 8 | Outpatient procedures other modules MIDTERM | Outpatient data processing secretarialship |
| 9 | Presentation of clinical modules. Patient admission-Clinic secretariats | Clinical secretarial services |
| 10 | Clinical secretarial procedures Basic information about the patients hospitalized | Clinical secretarial services |
| 11 | Blood sampling - Radiology Pharmacy - In Stock Patient follow-up and corporate accounts | Clinical secretarial services |
| 12 | Operating information processing program- Discharge the patient | Operating information processing program- Patient discharge process |
| 13 | Statistics and financial analysis of outpatient procedures about the computer | Statistics and financial analysis of outpatient procedures about the computer |
| 14 | Statistics and financial analysis, computer operations for inpatient care be taken | - |
| 22 | Textbooks, References and/or Other Materials: | Main source: MIA-MED HIMS program and annotations. http://destek.miateknoloji.com.tr/Giris/EgitimDokumanlari/EgitimDokumanlari.aspx Supporting Resources: Inst.Fikret CEYLAN Hospital Information Management Systems Lecture Notes, Bursa 2020 |
| 23 | Assesment | |
| TERM LEARNING ACTIVITIES | | NUMBER |
| | | WEIGHT |
| Midterm Exam | | 1 |
| Quiz | | 0 |
| Home work-project | | 0 |
| Final Exam | | 1 |
| Total | | 2 |
| Contribution of Term (Year) Learning Activities to Success Grade | | 40.00 |
| Contribution of Final Exam to Success Grade | | 60.00 |
| Total | | 100.00 |
| Measurement and Evaluation Techniques Used in the Course | | Measurement and evaluation is carried out according to the principles of Bursa Uludağ University Associate and Undergraduate Education Regulation |

24 ECTS / WORK LOAD TABLE

| Activites | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical | 14 | 1.00 | 14.00 |
| Practicals/Labs | 14 | 2.00 | 28.00 |
| Self study and preperation | 13 | 2.00 | 26.00 |
| Homeworks | 0 | 0.00 | 0.00 |
| Projects | 0 | 0.00 | 0.00 |
| Field Studies | 6 | 3.00 | 18.00 |
| Midterm exams | 1 | 15.00 | 15.00 |
| Others | 0 | 0.00 | 0.00 |
| Final Exams | 1 | 15.00 | 15.00 |
| Total Work Load | | | 131.00 |
| Total work load/ 30 hr | | | 3.87 |
| ECTS Credit of the Course | | | 4.00 |

| 25 | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS | | | | | | | | | | | | | | | |
|---|---|-----|-----|--------------|-----|-----|-----------------|-----|-----|---------------|------|------|--------------------|------|------|------|
| | PQ1 | PQ2 | PQ3 | PQ4 | PQ5 | PQ6 | PQ7 | PQ8 | PQ9 | PQ10 | PQ11 | PQ12 | PQ13 | PQ14 | PQ15 | PQ16 |
| ÖK1 | 4 | 4 | 2 | 3 | 1 | 1 | 1 | 5 | 5 | 5 | 1 | 1 | 0 | 0 | 0 | 0 |
| ÖK2 | 5 | 5 | 5 | 3 | 1 | 1 | 1 | 5 | 5 | 5 | 4 | 1 | 0 | 0 | 0 | 0 |
| ÖK3 | 5 | 4 | 3 | 1 | 1 | 1 | 1 | 5 | 5 | 1 | 1 | 5 | 0 | 0 | 0 | 0 |
| ÖK4 | 5 | 5 | 3 | 1 | 1 | 3 | 1 | 3 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| ÖK5 | 5 | 5 | 3 | 1 | 1 | 3 | 1 | 3 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| ÖK6 | 5 | 5 | 5 | 1 | 1 | 3 | 1 | 5 | 5 | 5 | 5 | 1 | 0 | 0 | 0 | 0 |
| ÖK7 | 5 | 5 | 5 | 5 | 3 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 |
| ÖK8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |