

Vocational School / Management of Health Facilities
2022 - 2023 Academic Year
INFORMATICS SYSTEMS in HOSPITAL MANAGEMENT
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFORMATICS SYSTEMS in HOSPITAL MANAGEMENT	SKİ2242210	Spring Semester	2+0	2	5
Prerequisites Courses					
Recommended Elective Courses	NONE				
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator					
Name of Lecturer(s)	Lect. Hüseyin SARPKAYA				
Assistant(s)					
Aim	To give information about the use of information systems in hospitals and hospital automation systems.				
Course Content	This course contains; 1. Data and information concepts,2. The development of information systems and their tools,3. The development of health information systems and their tools,4. The characteristics of health information systems and their importance,5. Health information systems in Turkey,6. Health information systems in the world,7. National and international data sources such as TIG, ICD 10,8. The development stages of the hospital information system and their purpose and features,9. Tools and components of the hospital information system,10. Tele-medicine and tele-health,11. Hospital automations,12. Examination of vehicles and components of hospital automation system,13. Management information systems and decision support systems,14. Management information systems and decision support systems in health administration.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1. Explain the functioning of information system in hospital management.			1, 14, 15	A	
2. Discuss hospital information systems in Turkey and in the World.			1, 3	A	
3. Use hospital automation.			1, 14, 15	A	
Teaching Methods	1: Lecture, 14: Self-Study, 15: Problem solving, 3: Discussion				
Assessment Methods	A: Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	1. Data and information concepts	Reading Lecture Notes			
2	2. The development of information systems and their tools	Reading Lecture Notes			
3	3. The development of health information systems and their tools	Reading Lecture Notes			
4	4. The characteristics of health information systems and their importance	Reading Lecture Notes			
5	5. Health information systems in Turkey	Reading Lecture Notes			
6	6. Health information systems in the world	Reading Lecture Notes			
7	7. National and international data sources such as TIG, ICD 10	Reading Lecture Notes			
8	8. The development stages of the hospital information system and their purpose and features	Reading Lecture Notes			
9	9. Tools and components of the hospital information system	Reading Lecture Notes			
10	10. Tele-medicine and tele-health	Reading Lecture Notes			
11	11. Hospital automations	Reading Lecture Notes			
12	12. Examination of vehicles and components of hospital automation system	Reading Lecture Notes			
13	13. Management information systems and decision support systems	Reading Lecture Notes			
14	14. Management information systems and decision support systems in health administration	Reading Lecture Notes			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources	
Lecturer's note.1. Sağlık Bilişim Sistemleri, Hasan Kürşat Güleş, Musa Özata.	
2. Kavuncubaşı Ş. Hastane ve Sağlık Kurumları Yönetimi, Ankara, 2000.	
3. Hastane Bilgi Sistemi Alımı Çerçeve İlkeleri, Sağlık Bakanlığı, 2008.	
4. Bali RK (2005). Clinical knowledge management: opportunities and challenges. Hershey, PA: Idea Group Pub.	
5. Bali RK & Dwivedi A (2007). Healthcare knowledge management: issues, advances and successes. New York; London: Springer.	