

Course Title	ENGLISH CODE/NO	ARABIC CODE/NO	CREDIT UNIT			
			Th.	Pr.	Tr.	TCU
Hospital Management Information System (HRIS)	HHSM 411	HHSM 411	2	1	-	3
<b>Prerequisites</b>		<b>MISY 251, HHMS 302</b>				
The course is offered at [ <input checked="" type="checkbox"/> ] 1 <sup>st</sup> semester [ <input type="checkbox"/> ] 2 <sup>nd</sup> semester [ <input type="checkbox"/> ] summer			The course is [ <input checked="" type="checkbox"/> ] required [ <input type="checkbox"/> ] elective			
<b>Course Description:</b> This course is designed to explore the use of information systems in healthcare. Students will be introduced to the information systems and their applications in healthcare. The fundamentals of Information Systems, including Electronic Health Record, will be explored. Students will become familiar with Information Systems used for managerial and clinical support. Information security will be discussed.						
<b>Course Objectives:</b> <ul style="list-style-type: none"> <li>Identify the students with Hospital Information System in the Kingdom.</li> <li>Identify the major types of information system applications used in healthcare organizations in the Kingdom and the Gulf States.</li> <li>Identify the greatest threats to the security of health information.</li> <li>Discuss the current status of the electronic health record development and implementation.</li> </ul>						
<b>Scientific Contents:</b> <ul style="list-style-type: none"> <li>The history and evolution of health care information systems.</li> <li>Health Information System.</li> <li>Hospital Information System.</li> <li>Management Information System.</li> <li>The key elements to manage information resources effectively.</li> <li>The emerging trends affecting the development of healthcare information systems.</li> </ul>						
<b>Course Outcomes:</b> At the conclusion of this course, the student should be able to: <ul style="list-style-type: none"> <li>Explain the functions of computerized information systems designed for the management of health care Organizations.</li> <li>Compare the costs and benefits of various types of health care information systems, and make decisions concerning the purchase and use of such systems.</li> <li>Understand the features of software designed for health care personnel management, facilities management, electronic medical records and automated patient scheduling.</li> <li>Explain medical records privacy and ethical issues related to patient information.</li> </ul>						
<b>Assessment Methods:</b> <ul style="list-style-type: none"> <li>Test</li> <li>Participation</li> <li>Applied cases</li> <li>Field visits.</li> </ul>						
<b>Text Book:</b> <ul style="list-style-type: none"> <li>Kathleen M. Informatics for Healthcare professional(2006)</li> <li>James O'Brien .Management Information system. Tate McGraw Hill(2005)</li> <li>Smith, Jack. Health Mgt information System - Smith, Jack(2003)</li> <li>Karen S. Wager, Frances Wickham Lee and John P .Managing Health Care Information Systems,. Glaser, Jossey-Bass, 2005.</li> </ul>						

**Supplementary References:**

- Merida Johns. Health Information Management Technology. AHIMA. Current Edition.
- Charles Austin. Information Systems for Healthcare Management. AUPHA Press.
- Margaret Amatayakul. Electronic Health Record. AHIMA. Current Edition.
- Introduction to Computer - Peter Norton, Tate McGraw Hill
- Dynamic Hospital Information - Gilad J. Kuperman

<b>Time Table for Distributing Theoretical Course Contents</b>		
<b>Week</b>	<b>Subject</b>	<b>Remarks</b>
1	The history and evolution of health care information systems.	
2	The history and evolution of health care information systems.	
3	Health Information System.	
4	Health Information System.	
5	Hospital Information System.	
6	Hospital Information System.	
7	Management Information System.	
8	Management Information System.	
9	Management Information System.	
10	The key elements to manage information resources effectively.	
11	The key elements to manage information resources effectively.	
12	The key elements to manage information resources effectively.	
13	The emerging trends affecting the development of healthcare Information systems.	
14	The emerging trends affecting the development of healthcare Information systems.	
15	The emerging trends affecting the development of healthcare Information systems.	
<b>Final Exam</b>		