

الخطة الدراسية لقسم المعلوماتية الصحية

First Semester		الفصل الأول	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
61151	IT Foundations	----	3
61152	Programming I	----	4
61155	Mathematics I	----	3
61150	English I	----	3
61157	Arabic	----	2
<i>Semester Credit Hours – 15</i>			
Second Semester		الفصل الثاني	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
61252	Programming II	61152	4
61256	Probability and Statistic	----	3
61255	Mathematics II	61155	3
61250	English II	61150	3
61257	Int. to Computer Networking	61151	3
<i>Semester Credit Hours – 16</i>			
Third Semester		الفصل الثالث	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
62137	Int. to Software Engineering	61151	3
62150	Mathematics for computing	61252- 61155	3
62153	Int. to Database Systems	61252	3
62154	Int. to Information Systems	61151	3
63168	Int. to Healthcare systems	--	3
62156	Communication Skills	20Cr. Hrs	2
<i>Semester Credit Hours –17</i>			
Fourth Semester		الفصل الرابع	
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
62161	Principles of management	63168	3
62237	Visual Programming	62153	4
61254	Digital and Logic Design	61151	3
62235	DatabaseManagement Systems	62153	3
62263	Concepts of Diseases &MedicalTerminology I	----	3
63112	Technical Writing	61250	3
63160	Critical Thinking	-----	2
<i>Semester Credit Hours – 21</i>			

Fifth Semester الفصل الخامس			
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63141	Web Application Development	62237	4
63164	Concepts of Diseases and Medical Terminology II	62263	3
63221	Security principles and practices	61151	3
64170	Health Information Standards	63168	3
63266	Organization and Management in Healthcare Facilities	62161	3
Semester Credit Hours – 16			
Sixth Semester الفصل السادس			
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
63165	Legal & Ethical Issues in Health Informatics I	63221	1
63268	Principles of Public Health	63164	3
64171	Healthcare Computer Systems and Electronic Health Records	64170 -61151	3
64172	Problem Solving and Decision Making in Healthcare	63266	3
63253	Research Methods	75 Cr. Hrs	2
63143	System Analysis & Design	61252- 62153	3
Semester Credit Hours – 15			
Seventh Semester الفصل السابع			
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
64274	Quality Management for Healthcare	64172	3
64276	Human Aspects of Healthcare Information Systems	64171	3
64169	Healthcare Statistics and Analysis	61256-63268	3
64141	Internship	75 Cr. Hrs	
64142	IT Capstone Project I	90 Cr. Hrs	2
63267	Legal & Ethical Issues in Health Informatics II	63165	2
Semester Credit Hours – 13			
Eighth Semester الفصل الثامن			
Course No.	Course Title	Pre-Req. المتطلبات	Credits الوحدات
64277	IT Project Management	62161	3
	Student selected Courses		3
	Student selected Courses		3
	Elective course		
64280	IT Capstone Project II	64142	4
64174	Basic Epidemiology	64169	3
Semester Credit Hours – 16			

Student selected Courses			
Course #	Course Title	Pre-Req. المتطلبات	
64414	Mobile Application Development	63141	3
64275	Principles of HC Accounting and Economics	61256- 63266	3
64173	Strategic application of IT in Healthcare Organization	64171 EHR	3
63163	E-Commerce and E-Marketing	62154	3
63221	Network Security I	61257	3
64413	Big Data	62153	3
64414	Data Mining	62153	3

Overall number of semesters: 8

Overall number of courses: 44

Overall credits hours: 129