Al-Ahliyya Amman University

جامعة عمان الأهلية

Advisory Study Plan for the Academic Year 2014 - 2015

Faculty: Information Technology

Department: Software Engineering

First Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0161101	Arabic language Communication Skills (1)	3	0161100
0121131	English language Communication Skills (1)	3	0171100
0331202	Computer Skills (Information Technology)	3	0331200*
0111101	Mathematics (I)	3	-
0312101	Discrete Mathematics	3	-
Total		15	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0311203	Introduction to Programming	2	0331202
0311204	Introduction to Programming Lab	1	0311203*
0312301	Digital Logic Design	3	0312101
0312603	Statistics and Probability	3	0111101
0332602	Communication Skills and Technical Writing	3	0121131
0161201	National Education	3	-
	Elective University Requirement	3	-
Total		18	

Second Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0312201	Visual Programming	3	0311203
0311205	Object Oriented Programming	3	0311203
0311206	Object Oriented Programming Lab	1	0311205*
0313303	Computer Organization and Architecture	3	0312301
0312604	Numerical Analysis and Programming	3	0111101
	Elective Major Requirement	3	-
Total		16	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0342102	Data Structures	3	0311205
0332401	Introduction to Software Engineering	3	0311205
0313501	Database Management Systems	3	0311205
0342401	Computer Networks	3	0312301
0342402	Computer Networks Lab	1	0342401*
	Elective University Requirement	3	-
Total		16	

Third Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0332402	Requirements Engineering	3	0332401
0313502	Systems Analysis and Design	3	0332401
0332403	Software Construction and Documentation	3	0332401
0332404	Software Construction and Documentation Lab	1	0332403*
0313203	E-Commerce and Internet Programming	3	0312201
	Elective University Requirement	3	-
Total		16	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0333401	Software Testing and Quality Assurance	3	0332401
0333402	Software Testing and Quality Assurance Lab	1	0333401*
0334401	Software Project Management	3	0332401
0313201	Internet Applications Development	3	0313501
0313202	Internet Applications Development Lab	1	0313201*
0313504	Database Applications	3	0313501
	Elective Major Requirement	3	-
Total		17	

Fourth Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0333403	Software Design and Architecture	3	0332403
0333404	Software Design and Architecture Lab	1	0333403*
0313101	Algorithms Analysis and Design	3	0342102
0161200	Military Sciences	3	-
0334702	Graduation Project	3	Pass 90 Cr. Hr.
	Elective University Requirement	3	-
Total		16	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/Concurrent*
0314301	Operating Systems	3	0313303
0334402	Entrepreneurship and Professional Ethics	3	0332602
0332405	Human Computer Interaction	3	0332401
0334701	Practical Training	3	Pass 90 Cr. Hr.
	Elective University Requirement	3	-
	Elective Major Requirement	3	-
Total		18	