



Software Engineering Department
Guidance Plan
(132 Credit Hours)
(2008 - 2009)

Year	Semester	Module Number	Module Title	Prerequisite	Types of Requirements
First	First (18 Credit Hours)	110101	Arabic Skills (1)	----	UR
		130101	English Skills (1)	----	UR
		----	UE	----	UE
		750112	Programming Fundamentals	----	FR
		210101	Mathematics (1)	----	SR
	210104	Discrete Structures	----	SR	
	Second (18 Credit Hours)	130102	English Skills (2)	130101	FR
		111101	National Education	----	UR
		----	UE	----	UE
		721120	Object Oriented Paradigms	750112	FR
731150		Introduction to Systems and Information Technology	750112	FR	
----	UE	----	UE		
Second	First (18 Credit Hours)	721240	Computing Ethics	731150	FR
		731270	Introduction to World Wide Web Programming	750112	FR
		210231	Introduction to Statistics and Probabilities	----	SR
		721221	Object Oriented Data Structures	721120+210104	DR
		721210	Introduction to Software Engineering	731150	DR
	761272	Multimedia Systems	----	FR	
	Second (18 Credit Hours)	761211	Windows Programming	721120	FR
		----	UE	----	UE
		760261	Database Fundamentals	721221	DR
		750232	Computer Architecture	731150	DR
721230		Software Requirements Engineering	721210	DR	
721222	Software Modeling Approaches	721210	DR		
Third	First (18 Credit Hours)	750333	Principles of Operating Systems	750232	DR
		750351	Fundamentals of Artificial Intelligence	721221	DR
		750322	Design and Analysis of Algorithms	721221	DR
		721330	Software Process Models	721222	DR
		721320	Software Architecture	721222	DR
	721321	Concurrent & Distributed Programming	721221	DR	
	Second (15 Credit Hours)	761340	Fundamentals of Computer Networks	721221	DR
		721324	Advanced OO Programming	721321	DR
		721322	Software Design Methodologies	721230+721320	DR
		721323	Graphical User Interface Engineering	721320+761211	DR
721331		Software Project Management	721330	DR	
Fourth	First (15 Credit Hours)	721420	Software Construction and Development	721322	DR
		721430	Software Quality Assurance and Control	721322	DR
		----	UE	----	UE
		721440	Practical Training	Department Agreement	DR
		----	DE	----	DE
	Second (12 Credit Hours)	111100	Military Science	----	UR
		721441	Research Project	721440+721420	DR
		721421	Software Re-engineering	721420	DR
		----	DE	----	DE

(UR) University Req.

(DR) Dept. Req.

(Ue) University Elective

(DE) Department Elective

(FR) Faculty Req.

(SR) Supplementary Req.

Date: 9 / 10 / 2008