



University/Academy: Arab Academy for Science and Technology & Maritime Transport

Faculty/Institute: College of Computing and Information Technology, Cairo

Program: Computer Science / Information Systems / Software Engineering

Course title	Software Requirements and Specifications
Course code	SE392

Form no. (11-A) Knowledge and skills matrix

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
The requirements problem	1	K12, K15	I12	P10	G1, G7
Introduction to requirements management	2	K12, K15	I12	P10	G1, G7
Requirements and the software lifecycle	3	K12, K15	I12, I18	P10	G1, G7
The five steps in problem analysis	4	K12, K15	I12, I18	P10	G1, G7
Business modeling	5	K12, K15	I11, I12, I18, I19	P10, P20	G1, G7
Software engineering for software-intensive systems	6	K12, K15	I12, I18, I119	P10	G1, G7

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
exam	7				G1
Storyboarding and a use case primer	8	K12, K15	I12	P13, P20	G1, G7
Organizing Requirements information	9	K12, K15	I12,I19	P13, P20	G1, G7
Product management and establishing scope	10	K12, K15	I12,I19	P13	G1, G7
Refining the use cases	11	K12, K15	I12, I19	P13	G1, G7
Developing the supplementary specification	12	K12, K19	I12, I18, I19	P13, P20, P21	G1, G7
Technical methods for specifying requirements	13	K19	I11, I12, I18, I19	P13, P20, P21	G1, G7
From Use Cases to Implementation	14	K19	I12, I18, I19	P13, P21	G1, G7
From Use cases to Test cases	15	K19	I12, I18, I19	P13, P21	G1, G7

Course Instructor:

Head of Department: