Arab Academy for Science and Technology & Maritime Transport

University/Academy:	Arab Academy for Science and Technology & Maritime Transport
Faculty/Institute:	College of Computing and Information Technology, Cairo
Program:	Software Engineering

Course title	**Software Quality assurance**
Course code	**SE493**

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

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
What is Software Quality? Software Quality Factors	1	K12, K17	I12	P17	G1, G2, G3
The Components of the Software Quality Assurance System	2	K12, K17	I12	P17	G1, G2, G3
Development and Quality Plans	3	K12, K17, K21	I12	P17	G1, G2, G3
ntegrating Quality Activities in the Project Life Cycle	4	K12, K15, K17	I12	P17	G1, G2, G3
Assuring The Quality of Software	5	K15, K17	I12	P17	G1, G2, G3

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
Maintenance					
Case Tools and their Affect on Software Quality.	6	K15, K17	I12	P17, P20	G1, G2, G3
exam	7			P17, P20	
Supporting Quality Devices	8	K15, K17	I12	P17, P20	G1, G2, G3
Configuration Management	9	K15, K17	I12	P17, P20	G1, G2, G3
Project Progress Control	10	K19, K17	I12	P20	G1, G2, G3
Software Quality Metrics and Software Quality Costs	11	K19, K17, K21	I12	P20	G1, G2, G3
Software Process Assessment	12	K19, K17	I12	P20	G1, G2, G3
SQA Trustees and Committees	13	K19, K17	I12	P20	G1, G2, G3
The Future of SQA: Challenges.	14	K19, K17, K21	I12	P20	G1, G2, G3

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
Review & PROJECT DEMO	15	K19, K17, K21	I12	P20	G1, G2, G3

Course Instructor: **Head of Department:**