



Arab Academy for Science and Technology & Maritime Transport
College of Computing and Information Technology
Department of Computer Science, Cairo

University/Academy: Arab Academy for Science and Technology & Maritime Transport
Faculty/Institute: College of Computing and Information Technology
Program:CS

Course title	Computer graphics
Course code	Cs452

Form no. (11A) Knowledge and skills matrix for a course

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
Overview & 2D Graphics Basics – Ch1	1	K1, K13, K14	I13 I10,	P16	G1
Overview & 2D Graphics Basics – Ch2	2	K1, K14, K16, K17	I10, I13	P16	G1
2D Graphics: Rendering Details - Chapter 3	3	K1, K2, K14, K16, K17	I10, I13	P10	G1
2D Graphics: Advanced Topics - Chapter 4	4	K1, K14, K16, K17	I10, I13	P16	G1
Basic 3D Graphics - Chapter 5	5	K1, K13, K14, K16, K17	I10, I13	P16	G1
Graphics Contents - Chapter 6	6	K1, K14, K16, K17	I10, I13	P10	G1

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
7 th week Exam	7				
Revision	8				
Geometric Transformation - Ch 7	9	K1, K14, K14, K16, K17	I10, I13	P16	G1
Views - Ch 8	10	K1, K2, K14, K16, K17	I10, I13	P16	G1
Behavior and Interaction - Ch 10	11	K1, K2, K14, K16, K17	I10, I13	P16	G1
Animation - Ch 11	12	K1, K2, K14, K16, K17	I10, I13	P16	G1
Wrap Up, Case Studies & Further Readings	13	K1, K2			
Revision	14				
Projects Presentations	15	K13	I10	P2, P6, , P10, P14, P16	G1, G2, G3, G7

Course Instructor:

Head of Department:

Program Manager: