



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:**

<b>Course title</b>	<b>Computer and society</b>
<b>Course code</b>	<b>CS 481</b>

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

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
Five Things We Need to Know about Technological Change	1	Understand the effect of technology advances in different applications	I7.Achieve judgments considering balanced costs, benefits, safety, quality, reliability, and environmental impact.	1. Employ the ethical, social, legal, and professional issues surrounding the emerging information technologies. 2. Use skills in moral reasoning, imagination, and behavior.	G1.Show the use of general computing facilities. G2.Use an appropriate mix of tools and aids in preparing and presenting reports for a range of audiences, including management, technical, users, industry or the academic community. G4.Reveal communication skills, public speaking and presentation skills, and delegation, writing skills,
Moore's Law and Technological Determinism	2				
Click Fraud: The Dark Side of Online Advertising, Brian Grow	3				
Online Salvation?	4	Understand The effect of the advancement of the internet and web in daily lives	Judge the effect of social media in the community		
Great Wall of Facebook	5				
Beyond Blogs,	6				

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7 <sup>th</sup> week Exam	7				<p>oral delivery, and effectively using various media for a variety of audiences.</p> <p>G6.Demonstrate skills in group working, team management, time management and organizational skills.</p> <p>G7.Demonstrate the ability to make use of a range of learning resources and to manage one's own learning.</p>
Personally Controlled Online Health Data—The Next Big Thing in Medical Care?	8	Understand the different technical medical applications and the effect on medical care.	Achieve judgments considering balanced costs, benefits, safety, quality, and reliability in medicine		
National ID: Biometrics Pinned to Social Security Cards	9	Be familiar with Biometrics and their applications	Achieve judgments considering balanced costs, benefits, safety, quality, and reliability in authentication		
Dilberts of the World, Unite!	10	Understand effect of Computers in the workspace.	Achieve judgments considering balanced costs, benefits, safety, quality, and reliability in the workplace		
Computer Software Engineers	11	Understand Ethical and privacy issues in Computer applications	18. Be familiar with the professional, legal, moral and ethical issues relevant to the computing industry.	Apply a coherent set of positions on the issues in this course, and a plan for implementing them in his professional life.	
How Deep Can You Probe?	12				
Privacy, Legislation, and Surveillance Software	13				
Project Presentations	14			Develop a complete project and be able to	

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
Project Presentations	15			present it effectively orally	

**Course Instructor:**

**Head of Department:**

**Program Manager:**