

Faculty of Computers & Information Technology

Computer and Society

Information :

Course Code : CST 101

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Computers & Information Technology

Instructor Information :

Title	Name	Office hours
Lecturer	Amira Mohey El Din Mohamed El Mandouh	1
Teaching Assistant	Nada Emad Abdelsalam Hussien	

Area Of Study :

The main objective of the course Computers and Society is to enable students to understand and appreciate the potential of using Computer Technology in daily activities and its social, intellectual, and physical impact.

Description :

Social context of computing, methods and tools of analysis of ethical argument, professional and ethical responsibilities, risks and liabilities of safety-critical systems, intellectual property, privacy and civil liberties, social implications of the Internet, computer crime, philosophical foundations of ethics

Course outcomes :

a.Knowledge and Understanding: :

1 -	Understand the concepts and issues of Computer System security
2 -	Understand how to protect different Computer System components (Hardware and Software) from different risks of failure or loss.
3 -	Understand, enforce and appreciate the Intellectual Property Rights
4 -	Understand, enforce and appreciate the Ethical Responsibilities of Professionals in computing field
5 -	Understand and apply techniques for enforcing Information Privacy.
6 -	Understand techniques for Information protection in Computer Networks
7 -	Understand the impact of using Computer Technology on Health and Environment

b.Intellectual Skills: :

1 -	understand the ideas in the readings; explain the ideas; analyze issues and see them from diverse perspectives
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c.Professional and Practical Skills: :

1 -	Consider and apply professional ethics of the field
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d.General and Transferable Skills: :

1 -	Work in team
2 -	Deliver an oral presentation

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction to Computer Security □ Why Be Concerned About Computer Security Hardware Loss, Damage, and System Failure	3	2	2
Software Piracy □ Software Piracy and Digital Counterfeiting □ Software Piracy Digital Counterfeiting	3	2	2
Software Piracy □ Protecting Against Software Piracy and Digital Counterfeiting □ Education, Holograms, and Other Antipiracy Tools Digital Counterfeiting Prevention	3	2	2
Information Privacy □ Why Be Concerned About Information Privacy □ Databases, Electronic Profiling, Spam, and Other Marketing Activities □ Electronic Surveillance and Monitoring Computer Security and Privacy Legislation	3	2	2
Computer Ethics □ Ethics □ Computer Ethics □ Business (Professional) Ethics □ Ethical Use of Copyrighted Material (Books, Music, Movies, ... etc) Ethical Use of Resources and Information	3	2	2
Midterm Exam I	2	1	2
Computer Ethics □ Ethical Use of School or Company Resources □ Code of Ethics □ Ethical Use of Employee and Customer Information Cheating and Falsifying Information	3	2	2
Intellectual Property □ Intellectual Property Rights □ Copyrights □ Trademarks Patents	3	2	2
Data and Information Security □ Database Security Issues □ Threats □ Computer-based Counter Measures Procedural Counter measures	3	2	2
Computer Networks Security	3	2	2
Computers and Health	3	2	2

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Midterm Exam II	2	1	2
Research Work Presentations and Discussions	6	4	4

Teaching And Learning Methodologies :

- Lectures
- Open Discussion
- Practical training
- Self-Study
- Presentation
- Web-Site searches

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
<input type="checkbox"/> Final Exam	40.00	15	
<input type="checkbox"/> Mid-Term Exam1	20.00	6	
<input type="checkbox"/> Mid-Term Exam2	20.00	12	
<input type="checkbox"/> Presentation/Research	20.00	13	