FUTURE UNIVERSITY IN EGYPT جامعة المستقبل

Faculty of Engineering & Technology

Introduction to Computer

Information :

Course Code :	CSC 101	**Level :**	Undergraduate	**Course Hours :**	2.00- Hours
Department :	University Requirments				

Description :

Introduction to computer hardware, computer software and computer networks. Data internal representation in computer memory. Numbering systems. Problem solving techniques using Pseudocode (Structured English).

Course outcomes :

a.Knowledge and Understanding: :	
1 -	a1. Describe the basics of software development.
2 -	a2. Define the basics of application software.
3 -	a3. Identify basic computer terminology.
4 -	Understand different components in computer system and operations of the computer systems.
b.Intellectual Skills: :	
1 -	Analyze and design a solution for computing problems considering limitations and constrains.
2 -	Solve the algorithmic problems using pseudo code and flow chart.
c.Professional and Practical Skills: :	
1 -	c1. Run computing equipment in different physical environment.
2 -	c2. Install and maintain different supporting tools for construction and documentation software systems.
3 -	Realize information storage and retrieval skills in computing software systems.
4 -	Acquire a set of fundamental research skills from different resources.
d.General and Transferable Skills: :	
1 -	Exploit a range of learning resources.
2 -	Apply communication skills in presentations and report writing using various methods and tools.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction To Computer and Information Technology & Computer Hardware Components	2	1	
Computer Hardware Components & The von Neumann Model	2	1	
Computer Hardware Components	2	1	
Computer Software	2	1	

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Computer Networks, Internet and WWW	2	1	
Problem Solving Methodologies and Algorithmic Approach	2	1	
Problem Solving Methodologies and Algorithmic Approach	2	1	
Pseudo Code	2	1	
Pseudo Code	2	1	
Pseudo Code	2	1	
Numbering Systems	2	1	

Teaching And Learning Methodologies :

Interactive Lectures including discussion
Tutorials
Practical Lab Sessions
Self-Study (Project / Reading Materials / Online Material / Presentations)
Seminars
Case Studies
Problem Solving
Others (Specify)

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	20.00		
Final Exam	40.00		
Midterm Exam (s)	30.00		
Others (Participation)	10.00		