Faculty of Computers and Information Technology

Introduction to Computer

Information :

Course Code :	CSC 101	**Level**	: Undergraduate	**Course Hours :**	2.00- Hours

Department :	University Requirments

Instructor Information :

Title	Name	Office hours
Professor	Awad Hassballah Khalil Matous	18
Associate Professor	Osama Fathy Saleh Hegazy	15
Teaching Assistant	Mahinda Mahmoud Samy Ahmed Zaki Zidan	1
Teaching Assistant	Gehad Assem Elsayed Ali Hussein	4
Teaching Assistant	Fatma Gaafar Ahmed Fouad Mohamed Elsayed	

Area Of Study :

Introduction to Computer and Information Technology: Basic Components of Computer System. Software Tools and Components. Computer Networks, Internet and World Wide Web. Databases and information systems. Problem Solving Methodologies. Program Development using C++.

Description :

An introductory course in computers. It covers; history of computers, computer system, input and output units, storage and memory, system software and applications software, networks, and the internet. The course also covers a brief introduction to Microsoft Office.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Demonstrate knowledge and understanding of the basic elements of
2 -	Understand how to use Internet and WWW for searching and browsing
3 -	Understand the basics of software development.

b.Intellectual Skills: :

1 -	Demonstrate knowledge and understanding of standard methods and approaches for problem solving
2 -	Design and represent an algorithmic solution for a given algorithmic problem
3 -	Demonstrate knowledge and understanding of the algorithmic approach for problem solving..

c.Professional and Practical Skills: :

1 -	Ability to develop and produce diversity of computer applications using Word processing, Spreadsheet, Database and PowerPoint Software tools..
2 -	Implement the algorithmic solution using C++ as a programming language

d.General and Transferable Skills: :

1 -	Demonstrate knowledge and understanding of using C++ in implementing various problem solutions in different application areas.

ABET Course outcomes :

1 -	Demonstrate knowledge and understanding of the basic elements of computer hardware and software and their roles in a computer system.
2 -	Demonstrate knowledge and understanding of Computer Networks and the Internet.
3 -	Demonstrate awareness and understanding of emerging Internet applications such as WWW, Email, Online communications services, õ Áetc.
4 -	Demonstrate awareness and understanding of different issues related to computer and Internet security and professional ethical issues.
5 -	Demonstrate understanding of computational problem solving concepts.
6 -	Awareness of security and professional ethical issues related to usage of computers and Internet.
7 -	Demonstrate capacity of designing algorithmic solutions for computational problems.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction To Computer and Information Technology & Computer Hardware Components	4	2	2
Computer Software , Computer Networks, Internet and WWW	4	2	2
Problem Solving Methodologies and Algorithmic Approach	4	2	2
Program development in C++	4	2	2
Midterm Exam . ÁF	3	1	2
Basic Elements & Data Types of C++	4	2	2
Program development in C++ - Arithmetic C++ & Selection Control Structures	4	2	2
Midterm Exam . ÁG	3	1	2
Program development in C++ - Repetitive C++ Structures (Loops)	4	2	2
Final Exam	4	2	2

Teaching And Learning Methodologies :

Data show and computer in lectures
Project
Laboratories supported with PCœ
Research Paper

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Class participation	10.00	3	To assess understanding.
Final Exam	40.00	16	To assess knowledge and intellectual skills.
Midterm Exam	40.00	5	To assess professional skills.

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| Quizzes | 10.00 | 10 | To assess theoretical background of the intellectual and practical skills |

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