

Faculty of Computers & 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
Teaching Assistant	Mariam Ali Ibrahim Elsayed	
Teaching Assistant	Nada Emad Abdelsalam Hussien	
Teaching Assistant	Mahinda Mahmoud Samy Ahmed Zaki Zidan	
Teaching Assistant	SHAIMAA TAREK HASAN ABDEEN	1
Teaching Assistant	YASMIN AMR AHMED ANWAR ALI BADR	4

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. |
|-----|--|

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 – 1	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 – 2	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 PC's

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