

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 Hassb Allah Khalil Matous	8
TEACHING ASSISTANT	Hadeer Khalid Tawfik El Zayat	

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

Books :

Book	Author	Publisher
C++ for Everyone	Cay S. Horstmann	wiley