Birzeit University
Computer Science Dept.

Comp 132   ***Introduction to Computer and Programming***   ***Spring 2019***
==

Course Description

This course introduces the students to the main parts of a computer system, numbering systems, binary arithmetic and data representation. It also familiarizes students with algorithms and the process of writing pseudo code. For the main part, this course serves as an introductory course in computer programming which explores different operators, types, conditional statements, files, looping structures, functions, pointers, and arrays.

Faculty:

Lecturer:	***Mr. Ahmad Hamo***	***Office : IoL325***
	Mrs. Eman Maali	

Text Books:

Title：Problem Solving and Program Design in C.
Publisher :(Addison Wesley)
Author : Jeri R. Hanly, Elliot B. Koffman(5th, 6th or 7th edition)

Manuals:

Title: Comp. 132/142/230 Manual
Title: Comp. 142/230/132 Programming with C-Language LABORATORY WORK BOOK

Course Objectives:

Upon completion of this course the students will have a good understanding of the main programming structures and concepts.

  The student will also be able to:
1. Identify and utilize the different programming structures to write useful programs.
2. Implement a given algorithm using the C programming language.
3. Recognize and use the different tools provided by the CodeBlocks compiler.
4. Use the features of C to code efficient programs from different application areas.

Grading Criteria:

Mid Term Exam	**30%**
Lab (Quizzes)	**15%**
Assignments	**15 %**
Final exam	**40 %**

Course Outline:

N.L	Lecture Topic	Lab#	Lab Topic	Assignments and Quizzes
1	Introduction: Hardware, Software, Networks ... Chap. 1 (1.1, 1.2, 1.3)	1	Application (Ms Word , Ms-Excel, Internet)	
2	Numbering Systems	1	Exercices on Numbering System	
1	Data Representation Manual	1	Exercices on Numbering System	
2	Algorithms Algorithms Manual	2	Algorithm	Quiz 1 On Numbering system
3	Overview of C – Chap. 2 C language Elements	3	Simple C Program & Debugging	Quiz 2 On Algorithm
3	Top Down Design w. Functions – Chap. 3	4	Functions in C	
3	Selection Structure (if &Switch) - Chap. 4	5	Conditional statements	Quiz 3 on simple program - function
Mid Term Exam				
4	Repetition & Loop Structures Chap. 5	6	Control structures Lab 6 (2 sessions)	
4	Modular Programming + Pointers – Chap.6	7	Modular programming and Pointers	Quiz 4 on Loop
6	Arrays Chap. 7	8	Arrays and Strings(2 sessions)	Quiz 5 pointer& array
Final Exam				

Special Regulations:

- *Late Assignments will **NOT** be accepted for any reason.*
- *There will be **NO** makeup quizzes.*
- *There will be **NO** makeup exams. Missing any exam without an **<u>acceptable</u>** excuse will result in a zero grade for that exam.*
- ***Attendance** is mandatory. University regulations will be strictly enforced.*