



Benha University

Computer Programming (1)

ECE 113C

Computer Systems Engineering
Electrical Engineering Department



Faculty of Engineering
(at Shoubra)

Course Title: Computer Programming (1)
Course Code: ECE 113C
Instructor: Dr. Shady Yehia Elmashad
Main Textbook: "C++ How to Program" by Deitel and Deitel¹
[C++ How to Program, 3/e](#)
[C++ How to Program, 3/e \(Slides\)](#)
[C++ How to Program, 3/e \(Examples\)](#)
Other References: <http://www.cplusplus.com/doc/tutorial/>
<http://en.cppreference.com/w/>

Course Contents:

1. Introduction to Computers and Computer Programming
2. Problem Solving Concepts
3. Control Structures (Selection)
4. Control Structures (Iteration)
5. Functions
6. Arrays
7. Pointers
8. Strings
9. Files

Attendance Policy:

1. Attendance is expected.
2. Whether you attend or not, you are responsible for keeping track of whatever happens during the lectures and the tutorials.
3. Side talking, cellphones, laptops, food/drinks, and walking² are not allowed.



Grading System:

Attendance³:	05%
Assignments:	05%
Quizzes:	05%
Midterm Exam:	15%
Oral Exam⁴:	10%
Final Exam:	60%

1 I am using the *third edition* but you can use any.
2 If you are late for the lecture, you are allowed to walk into the lecture hall but quietly.
3 Attendance will be taken anyway.
4 There will be a semester project that will be discussed during the oral exam