



Benha University

**Surveying Engineering Department** 

Faculty of Engineering (at Shoubra)	

<b>Course Title:</b>	Computer Applications
<b>Course Code:</b>	SUR 112
Instructor:	Dr. Shady Yehia Elmashad
Main Textbook:	"C++ How to Program" by Deitel and Deitel <sup>1</sup> <u>C++ How to Program, 3/e</u> <u>C++ How to Program, 3/e (Slides)</u> <u>C++ How to Program, 3/e (Examples)</u>
Other References:	http://www.cplusplus.com/doc/tutorial/ http://en.cppreference.com/w/
Course Contents:	<ol> <li>Introduction to Computers         <ul> <li>Hardware/Software</li> <li>Operating Systems</li> </ul> </li> <li>Introduction to Computer Programming         <ul> <li>Machine Language and Assembly Language</li> <li>High Level Languages</li> </ul> </li> <li>Problem Solving Concepts</li> <li>Control Structures (Selection)</li> <li>Control Structures (Iteration)</li> <li>Functions</li> <li>Arrays</li> <li>Strings</li> <li>Files</li> </ol>
<b>Attendance Policy:</b>	

## 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 walking<sup>2</sup> are not allowed.



## Grading System:

05%
05%
05%
15%
10%
60%

<sup>1</sup> I am using the *third edition* but you can use any.

<sup>2</sup> If you are late for the lecture, you are allowed to walk into the lecture hall but quietly.

<sup>3</sup> Attendance will be taken anyway.

<sup>4</sup> There will be a semester project that will be discussed during the oral exam