Course Title: Computer Applications
Course Code: SUR 112
Instructor: Dr. Islam ElShaarawy
Main Textbook: “C++ How to Program” by Deitel and Deitel
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
   • Hardware/Software
   • Operating Systems
2. Introduction to Computer Programming
   • Machine Language and Assembly Language
   • High Level Languages
3. Problem Solving Concepts
4. Control Structures
5. Functions
6. Arrays
7. Strings

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 are not allowed.

Grading System:

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Attendance¹</td>
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<tr>
<td>Assignments</td>
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<td>Quizzes</td>
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<tr>
<td>Midterm Exam</td>
<td>10%</td>
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<tr>
<td>Oral Exam²</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>60%</td>
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</tbody>
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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