



Department of Computer Science  
Smart Village Campus

CC213

Programming Applications

Fall 2013

### Course Outline

<b>Instructor:</b>	Dr. Ahmed mahmod hammad										
<b>E-mail:</b>	<a href="mailto:ahmahit@yahoo.com">ahmahit@yahoo.com</a> / @gmail.com										
<b>Office:</b>											
<b>Off. Hrs:</b>											
<b>GTA:</b>	Eng. Mohamed Tahon										
<b>E-mail:</b>	eng.m.tahoun@gmail.com										
<b>Office:</b>											
<b>Off. Hrs:</b>											
<b>Objective:</b>	<p>At the conclusion of this course, you should be able to:</p> <ul style="list-style-type: none"><li>• Understand C++ programming features,</li><li>• Apply these features to program design and implementation,</li><li>• Understand object-oriented concepts and how they are supported by C++,</li><li>• Gain some practical experience of C++,</li><li>• Build good quality software using object-oriented techniques, and</li><li>• Understand the role of patterns in object-oriented design.</li></ul>										
<b>Text:</b>	<b>“Starting out with C++ : from control structure through objects” by Tony Gaddis, 7<sup>th</sup> edition, Addison-Wesley.</b>										
<b>Grading:</b>	<p><u>Evaluating system</u></p> <table><tr><td>1- 7<sup>th</sup> Week Exam</td><td>30 marks</td></tr><tr><td>2- 12<sup>th</sup> Week Exam</td><td>20 marks</td></tr><tr><td>3- Tutorial Activity</td><td>10 marks</td></tr><tr><td>4- Final Exam</td><td>40 marks</td></tr><tr><td>Total</td><td><u>100 marks</u></td></tr></table>	1- 7 <sup>th</sup> Week Exam	30 marks	2- 12 <sup>th</sup> Week Exam	20 marks	3- Tutorial Activity	10 marks	4- Final Exam	40 marks	Total	<u>100 marks</u>
1- 7 <sup>th</sup> Week Exam	30 marks										
2- 12 <sup>th</sup> Week Exam	20 marks										
3- Tutorial Activity	10 marks										
4- Final Exam	40 marks										
Total	<u>100 marks</u>										

Week of		E V E N T	
1	25 <sup>th</sup> Sep	Lecture	Revision on chapters 1, 2, and 3.
		Tutorial	Revision
2	2 <sup>nd</sup> Oct	Lecture	Revision on chapters 4, 5, 6, and 7.
		Tutorial	Revision
3	9 <sup>th</sup> Oct	Lecture	Chapter 8 Searching and Sorting Arrays
		Tutorial	Exercises on Searching and Sorting Arrays
	16 <sup>th</sup> Oct	<b>HOLIDAY</b>	<b>AL-Adha Feast</b>
4	16 <sup>th</sup> Oct	Lecture	Chapter 9 Pointers
		Tutorial	Exercises on Pointers
5	23 <sup>th</sup> Oct	Lecture	Chapter 10 Characters, Strings, and the string Class
		Tutorial	Exercises on Characters, Strings, and the string Class
6	30 <sup>th</sup> Oct	Lecture	Chapter 11 Structures
		Tutorial	Revision on chapters 8,9, and 10
7	6 <sup>th</sup> Nov	Lecture	<b>Seventh Week Exam (30 marks)</b>
		Tutorial	Exercises on Structures
8	13 <sup>th</sup> Nov	Lecture	Chapter 13 Classes
		Tutorial	<b>Laboratory Quiz No. 1(chapters 8,9, and 10) (5 marks)</b>
9	20 <sup>th</sup> Nov	Lecture	Chapter 14 More About Classes
		Tutorial	Exercises on Classes
10	4 <sup>th</sup> Nov	Lecture	Chapter 15 Inheritance and Polymorphism
		Tutorial	Exercises on Inheritance and Polymorphism
11	11 <sup>th</sup> Dec	Lecture	File Operations
		Tutorial	Revision on chapters 11, 13, 14, and 15
12	18 <sup>th</sup> Dec	Lecture	<b>Twelfth Week Exam (10 marks)</b>
		Tutorial	Exercises on File Operations
13	25 <sup>th</sup> Dec	Lecture	Recursion
		Tutorial	<b>Laboratory Quiz No. 2( chapters 11, 13, 14, and 15) (5 marks)</b>
14	1 <sup>st</sup> Jan	Lecture	Revision
		Tutorial	Revision
15	<sup>th</sup> Jan		<b>Final Exam (40 marks)</b>

Good Luck