



## Course Weekly Outline

Course Instructor	Ekhlas Falih Naser				
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Title	Object Oriented Programming/Second stage/ All branches				
Course Coordinator					
Course Objective	Design and write programs in object oriented programming style and introduce C++ as an object-oriented programming language.				
Course Description	<ul style="list-style-type: none"> <li>The basics of C++ in the context of procedural, generic, object based, and object-oriented programming.</li> <li>Object-based programming and class design</li> <li>Object-oriented programming and the design of class hierarchies</li> <li>Function and class template design and use</li> </ul>				
Textbook	Not Found				
References	<ol style="list-style-type: none"> <li>1) Bjare Stroustrup, “<b>Object Oriented Programming with C++</b>”, Addison-Wesley Publication, 2003.</li> <li>2) Prof. Oqeili Saleh and others, “<b>Mastering C++</b>”, Dar Al-Shorok, Amman-Jordan, 2004.</li> <li>3) Sharam Hekmat, “<b>C++ Essentials</b>”, 2005.</li> </ol>				
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(25%)	(20%)	(5%)	----	(50%)
General Notes	No thing				



## Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	2014/ 9/ 25	Introduction to C++		
2	2014/ 10/ 4	Overview for functions and parameter transmission, inline functions and function overloading		
3	2014/10/9	عيد الأضحى المبارك		
4	2014/ 10/ 16	Overview for structure and array in C++		
5	2014/10/23	Overview of pointer and String in C++		
6	2014/10/30	Introduction to OOP and its main features		
7	2014/11/6	Defining a Simple Class with Inline Member Functions		
8	2014/11/13	Constructors and destructors functions		
9	2014/11/20	Friends functions		
10	2014/11/27	Friend class		
11	2014/12/4	Default Arguments and Implicit Member Argument		
12	2014/12/11	عطلة زيارة الأربعين		
13	2014/12/18	Constant Members and Scope Operator, Member Initialization List, and Static members		
14	2014/12/25	Member pointers and reference members		
15	2015/1/1	عطلة السنة الميلادية		
16	2015/1/8	Class object members and object arrays		
<b>Half-year Break</b>				
17	2014/2/12	Operator overloading		
18	2015/2/19	Function Overloading		
19	2015/2/26	Inheritance and derived classes		
20	2015/3/5	Class hierarchy notation		

<b>21</b>	<b>2015/3/12</b>	<b>Multiple inheritance</b>		
<b>22</b>	<b>2015/3/19</b>	<b>أمتحان يومي</b>		
<b>23</b>	<b>2015/3/26</b>	<b>Function template definition and instantiation</b>		
<b>24</b>	<b>2015/4/2</b>	<b>Class template definition and instantiation</b>		
<b>25</b>	<b>2015/4/9</b>	<b>Class template members</b>		
<b>26</b>	<b>2015/4/16</b>	<b>Virtual function definition</b>		
<b>27</b>	<b>2015/4/23</b>	<b>polymorphism</b>		
<b>28</b>	<b>2015/4/30</b>	<b>Types of polymorphism</b>		
<b>29</b>	<b>2015/5/7</b>	<b>أمتحان الفصل الثاني</b>		
<b>30</b>				
<b>31</b>				
<b>32</b>				

**Instructor Signature:**

**Dean Signature:**