

OBJECT ORIENTED PROGRAMMING2 COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	University of Baghdad/ college of Science for Women
2. University Department/Centre	Computer Science department
3. Course title/code	Object oriented programming2 / 211 COP2
4. Programme(s) to which it contributes	
5. Modes of Attendance offered	Class and Lab attendance is required

6. Semester/Year	2 nd year/ 2 nd Semester
7. Number of hours tuition (total)	90 hour (30 theoretical + 60 practical)
8. Date of production/revision of this specification	13/4/2016
9. Aims of the Course	
<ul style="list-style-type: none"> • This course aims to enable the student to absorb the principles of object oriented programming using the C ++ programming language. 	

10. Learning Outcomes, Teaching ,Learning and Assessment Methode
<p>W- Knowledge and Understanding</p> <p>A1. Understand the principles of object-oriented programming.</p> <p>A2. Use the programming language C ++ to understand these principles</p>
<p>B. Subject-specific skills</p> <p>B1. The ability to understand the objects and classes</p> <p>B2. The ability to identify the objects and how they relate to each other</p>
<p>C. Thinking Skills</p> <p>C1. Depending the discussion in presenting a subject and listen to different opinions to solve the problems.</p> <p>C2. Making the student acting in building the programs in the laboratory without confining this a specific template</p>
Teaching and Learning Methods
<ul style="list-style-type: none"> • Providing a printed chapters from a number of books (in English) for all the students before the start of the semester. • Using a smart board to teach students. • resolving some questions, that contain errors and make students

extracting error

- analyze and solve the problems using object oriented concepts

Assessment methods

- Written exams
- Practical exams (Laboratory)
- Prepare a computer software (Project)

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. Focusing on building the mentality that depends on the analysis and conclusion in solving problems.

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	4	Making a private member inheritance	Making a private member inheritance	As mentioned in 10	As mentioned in 10
2	4	Hybrid inheritance	Understanding Hybrid inheritance		
3	4	Constructors in derived classes	Understanding Constructors in derived classes		
4	4	Member classes: nested of classes	Understanding Member classes: nested of classes		
5	4	Pointers to objects	Understanding Pointers to objects		
6	2	exam			
7	4	This pointer	Understanding This pointer		
8	4	Pointers to derived classes	Understanding Pointers to derived classes		
9	4	Virtual functions	Understanding Virtual functions		
10	4	templates	Understanding templates		
11	4	Class templates	Understanding Class templates		
12	4	Class templates with multiple	Understanding Class templates		

		parameters	with multiple parameters		
13	4	Member function templates	Understanding Member function templates		
14	2	exam			

12. Infrastructure

BOOK: .	Object oriented programming C++ Third edition Tata McGraw hill publishing company limited / 2006.
APPLICATION :	Software of C++programming language
Special requirements (include for example workshops, periodicals, IT software, websites)	
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions

Pre-requisites	1.9CSP1
Minimum number of students	10 students
Maximum number of students	30 students