Zarqa University
Faculty
Department:Internet Technology
Course title: Project 2 (1504490)

Instructor:
Lecture's time:
Semester:
Office Hours:

Course Description:

This course provides practical experience in researching, designing, developing and testing a non-trivial Computer Information Systemproject. Projects are software-based, although sometimes they may involve hardware development or investigation of theory. Projects cover the whole process of software (or hardware) development, from analysis through design to implementation and testing. Comprehensive written documentation on the project is required. Students are assignedin groups to a project supervisor. There are no lectures in this unit, although students will be expected to attend regular meetings with their project supervisor.

Aim of the course:
The course objective is to encourage students to apply their accumulated learning, knowledge and experience to produce a high-quality solution (a Product) that is applicable in a real life situation.

Intended Learning Outcomes: (ILOs)

On completion of this unit, students should be able to:

A. evaluate and select research methods and techniques of data collection and analysis appropriate to a particular project;
B. search, access, and analyze research literature as part of the process of developing solutions to problems;
C. develop and test a substantial piece of software or hardware;
D. explain and reflect upon the purpose, operation, success and value of the developed project in writing and orally;
E. Write a report explaining themethodology, outlining their contributions and the contributions of others, and documenting the developed project from proper perspectives, for instance, that of a user, researcher or developer.

Course structures:

Week	Credit Hours	ILOs	Topics	Teaching Procedure	Assessment methods
1	3	A1	Research methods Data collection techniques	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Midterm d) Activity file
3,4	4	A1, A3	• Literature review	Presentation	Diagnostic tests to

				methods and techniques, Sources of information and Instructional Aids	identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Midterm exam d) Activity file
4,5	4	A1,A2, A3	• Literature review • Writing skills	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Midterm exam d) Activity file
5,6	3	B1, C1	Software development techniques	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Midterm exam d) Activity file
7,8,9	3	B2, B3	Project Management skill Project evaluation	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation b) Midterm exam d) Activity file
10,11	3	B2, B3	explaining methodology Outlining contributions Contributions of others.	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation final exam d) Activity file
12,13	3	B2, B3	Documentation finalization	Presentation methods and techniques, Sources of information and Instructional Aids	Diagnostic tests to identify the students level and areas of weakness Formal (stage) evaluation a) Class Participation

					b) Final exam d) Activity file
			Final examination week		

References:

1- *Systems Analysis and Design, 9th Edition,* Gary B. Shelly, Thomas J. Cashman and Harry J. Rosenblatt, ISBN-10: 0538481617 | ISBN-13: 978-0538481618, Course Technology, 2011

Developing Software with UML: Object- Oriented Analysis and Design in Practice, Bernd Oestereich, Addison Wesley, 2002

Assessment Methods:

Methods	Grade	Date
Progress Reports	15%	During Semester
Supervisor	20%	Week 15
Chairman of the Committee	30%	Week 16
Committee member	30%	Week 16
Department	5%	Week 16