

" حيث تصبح الرؤية واقعاً "
"When Vision Becomes
Reality"

" عراقة وجودة "
Tradition and Quality

Detailed Course Description - Course Plan Development and Updating Procedures/ Department of Software Engineering	QF01/0408-3.0E
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Faculty	Science & IT	Department	Software Engineering
Course number	0114471	Course title	Software Documentation Techniques
Number of credit hours	3	Pre-requisite/co-requisite	Department Approval

This course will focus on The main objective of this course is to provide students with a broad perspective on software Documentation, and explain the task orientation process and how you break the project to small tasks, and how to construct a task list from a project.

Course goals and learning outcomes	
Goal 1	Explain the task orientation process and how you break the project to small tasks, and how to construct a task list from a project.
Learning outcomes	1.1 Should be able to know basic terms associated with system, project and task orientation. 1.2 Should be able to understand the type of users and the psychological differences between them. 1.3 Should be able to construct a task list for a project.
Goal 2	Explain the forms of software documentation such Tutorials, procedures and references.
Learning outcomes	2.1 Should be able to learn the type of documents we produce and the what kind of users they use such document. 2.2 Should be able to differentiate between the different types of each document and the kind of elements that compose the document. 2.3 Should be able to understand the user analysis, planning interviews, and learn the rules when interviewing users.
Goal 3	Ex[plain the tools of software documentation, by the tools here we mean that the elements we used in creating the documentation such as screen and page design and the elements of each and the psychology of these elements, and how to build the best document to fit all type of users.
Learning outcomes	3.1 Understand how to start the project, and set up plan for that 3.2 Understand the importance of reviews, testing, and editing. The rules for each of them and how you schedule them and with whom. 3.3 Understand and create a table of contents and match the user analysis with the document design 3.4 Create a thumbnail sketch as the first step of laying out pages and screens. 3.5 Understand the importance the “getting the language right” on the document usability and acceptance by the user.
Textbook	Modern Technical Writing: An Introduction to Software Documentation1 Jan 2016 by Andrew Etter
Supplementary references	1- 2016 Writing Software Documentation Thomas T Barker-

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2- How To Write Usable User Documentation, 2nd Edition by <u>Edmond H. Weiss</u>
3- Documenting Software Architectures: Views and Beyond by <u>Dr. Paul Clements</u> , <u>Felix Bachmann</u> , <u>Dr. Len Bass</u>

Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
1	3	<ul style="list-style-type: none"> Course Introduction Understanding task orientation Constructing a Task List. Understanding the characteristics of tasks 	Chapter 1	
2-4	12	<ul style="list-style-type: none"> Writing to teach- Tutorials Writing to Guide - Procedures Writing to Support - References 	2,3,4	
5-6	6	<ul style="list-style-type: none"> Analyzing Your user Planning and Writing your documentation Getting Useful reviews 	5,6,7	
7-9	12	<ul style="list-style-type: none"> Conducting usability tests Editing and Fine Tuning Designing for task orientation 	8,9	
10-12	12	<ul style="list-style-type: none"> Laying out pages and screens Getting the language right 	10,11,12	
14	3	<ul style="list-style-type: none"> Using graphic effectively Designing Indexes 	13,14	
15-16	6	<ul style="list-style-type: none"> Project presentation 	1	

Theoretical course evaluation methods and weight	Participation = 10% First exam 20% Second exam 20% Final exam 50%	Practical (clinical) course evaluation methods	Semester students' work = 50% (Reports, research, quizzes, etc.) Final exam = 50%
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Approved by head of department		Date of approval	
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Extra information (to be updated every semester by corresponding faculty member)

Name of teacher		Office Number	
Phone number (extension)		Email	_____@zug.edu.jo
Office hours			