



Faculty: Information Technology	
Department: Software Engineering	Program: Bachelor
Academic year:	Semester:

Course Plan

First: Course Information

Course No.: 1503374	Course Title: Software Documentation	Credit Hours: 3	Theoretical: 3	Practical:
Prerequisite No. and Title: 1503272 Software modelling		Section No.:	Lecture Time:	
Level in JNQF				
Type Of Course:	<input type="checkbox"/> <i>Obligatory University Requirement</i>		<input type="checkbox"/> <i>Elective University Requirement</i>	
	<input type="checkbox"/> <i>Obligatory Faculty Requirement</i>		<input type="checkbox"/> <i>Elective Faculty Requirement</i>	
	<input checked="" type="checkbox"/> <i>Obligatory Specialization Requirement</i>		<input type="checkbox"/> <i>Elective Specialization Requirement</i>	
	<input type="checkbox"/> <i>Ancillary course</i>			
Type of Learning:	<input type="checkbox"/> <i>Face-to-Face Learning</i>			
	<input checked="" type="checkbox"/> <i>Blended Learning (2 Face-to-Face + 1 Asynchronous)</i>			
	<input type="checkbox"/> <i>Online Learning (2 Synchronous+ 1 Asynchronous)</i>			

Second: Instructor's Information

Course Coordinator:					
Name:		Academic Rank:			
Office Number:		Extension Number:		Email:	
Course Instructor:					
Name:		Academic Rank:			
Office Number:		Extension Number:		Email:	
Office Hours:	<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>

Third: Course Description

The course introduces major concepts of software documentation. An overview of writing methods and practices that software engineers use to create software documentation. The course covers topics related to software documentation process: user analysis, planning, designing, reviewing, and testing. It covers in details topics related to different task-oriented types of documentation, such as Tutorials, Procedures, and References.

Fourth: Course Objectives

Upon successful completion of this course, the student should be able to:

1. Know how to spread task-orientation through software document.
2. Construct task list in the software document.
3. Differentiate between the different types of software documents and how to build each one.
4. Build software tutorial and online help for software applications.

Fifth: Learning Outcomes

<i>Level descriptor according to (JNQF)</i>	<i>CILOs Code</i>	<i>CILOs</i> If any CLO will not be assessed in the course, mark NA.	<i>Associated PILOs Code</i> Choose one PILO for each CILO*	<i>Assessment method</i> Choose at least two methods
Knowledge	K1	Gain knowledge of the basic concepts of software documentation.	PK1	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam
	K2	Define and understand task orientation and its role in software documentation.	PK1	<ul style="list-style-type: none"> • Quizzes • Mid-term Exam • Final Exam
	K3	Understand the different types of software documents and how to build each type.	PK4	<ul style="list-style-type: none"> • Assignments • Mid-term Exam
Skills	S1	Use the appropriate methods and techniques to build up software document.	PS4	<ul style="list-style-type: none"> • Quizzes • Mid-term Exam • Final Exam
	S2	Analyze software users to build software document according to their needs.	PS3	<ul style="list-style-type: none"> • Quizzes • Mid-term Exam • Final Exam
	S3	Design software documentation to guide the user to use software application to adapt software in workplace.	PS3	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam
	S4	Design software documentation to help technical people to get technical information.	PS3	<ul style="list-style-type: none"> • Quizzes • Mid-term Exam • Final Exam
Competencies	C1	Develop software documentation to help different users to use software application.	PC2	<ul style="list-style-type: none"> • Mid-term Exam • Final Exam
	C2	Distinguish between good and bad designs of software documentation.	PC2	<ul style="list-style-type: none"> • Project Presentation

*CILOs: Course Intended Learning Outcomes; PILOs: Program Intended Learning Outcomes; For each CILO, the PILO could be the same or different.

Sixth: Learning Resources

Main Reference:	Writing Software Documentation: A Task-oriented Approach		
Author: Thomas T. Barker	Issue No.: 3 rd edition	Print:	Publication Year: 2019
Additional Sources and Websites:	<ul style="list-style-type: none"> ● <i>Lecture slides</i> ● <i>Self-learning materials</i> ● <i>Tasks, Quizzes, and Projects</i> ● <i>Moodle</i> 		
Teaching Type:	<input checked="" type="checkbox"/> <i>Classroom</i> <input type="checkbox"/> <i>Laboratory</i> <input type="checkbox"/> <i>Workshop</i> <input checked="" type="checkbox"/> <i>MS Teams</i> <input checked="" type="checkbox"/> <i>Moodle</i>		

Seventh: Course Structure

Week No.	Intended Teaching Outcomes (CILOs)	Topics	Teaching Procedures*	Teaching Methods**	References***
1	K1	Course Syllabus Discussion	Face-to-Face	Lecture	Outline File
		Introduction to software documentation	Face-to-Face	Lecture	Course Slides / book
		Documentation Videos	Asynchronous	- Videos	External Sources
2	K1, S1	Guidelines for a successful software manual	Face-to-Face	Lecture	Course Slides / book
		Guidelines for a successful software manual	Face-to-Face	Lecture	Course Slides / book
		Software documentation videos, worksheet, and discussion	Asynchronous	-Work sheet -Videos -Videos discussion	External Sources
3	K1, K2, S1, S2, S3	Understanding task orientation	Face-to-Face	Lecture	Course Slides / book
		User Assistance	Face-to-Face	Lecture	Course Slides / book

		Software documentation videos, discussion, and case study	Asynchronous	- Videos and discussion -Case study	External Sources
4	K2, K3, S1, S2, S3	The process of software documentation	Face-to-Face	Lecture	Course Slides / book
		Constructing a task list	Face-to-Face	Lecture	Course Slides / book
	K1, K2, K3, S1, S3	Videos discussion, and Assignment	Asynchronous	-Videos -Assignment -Videos discussion	External Sources
5	K2, K3, S1, S2, S3	Task list construction guidelines	Face-to-Face	Lecture	Course Slides / book
		Task list construction guidelines	Face-to-Face	Lecture	Course Slides / book
		Videos and Assignment	Asynchronous	- Videos -Assignment	External Sources
6	K1, K2, K3, S1, S3	Task description elements	Face-to-Face	Lecture	Course Slides / book
		Task description in the software document	Face-to-Face	Lecture	Course Slides / book
		Videos and Discussion	Asynchronous	-Videos -Discussion	External Sources
8	K1, K2, K3, S1, S3, C1, C2	Introduction to tutorials	Face-to-Face	Lecture	Course Slides / book
		Tutorial design guidelines	Face-to-Face	Lecture	Course Slides / book
		Videos and Assignment	Asynchronous	-Videos -Assignment	External Sources
Midterm Exam					
9	K1, S3	Tutorial types	Face-to-Face	Lecture	Course Slides / book
		Tutorial types	Face-to-Face	Lecture	Course Slides / book

		Videos and Quiz	Asynchronous	-Videos -Quiz	External Sources
10	K1, K2, K3, S1, S3	Tutorial design elements	Face-to-Face	Lecture	Course Slides / book
		Tutorial design approaches	Face-to-Face	Lecture	Course Slides / book
		Videos and Assignment	Asynchronous	- Videos -Assignment	External Sources
11	K1, K2, S3	Introduction to procedures	Face-to-Face	Lecture	Course Slides / book
		Guidelines for procedures	Face-to-Face	Lecture	Course Slides / book
		Videos, case study, and videos discussion	Asynchronous	-Videos -Case study -Videos discussion	External Sources
12	K1, K2, S1, S3	Guidelines for procedures	Face-to-Face	Lecture	Course Slides / book
		Organizing procedures in the document	Face-to-Face	Lecture	Course Slides / book
		Videos and discussion	Asynchronous	-Videos -Discussion	External Sources
13	K1, K3, S1, S3, S4	Elements of reference documentation structure	Face-to-Face	Lecture	Course Slides / book
		Guidelines for reference documentation	Face-to-Face	Lecture	Course Slides / book / External Sources
		Videos and Discussion	Asynchronous	-Videos -Discussion	External Sources
14	C1, C2	Project Presentation	Face-to-Face	Lecture	Students' Projects
		Project Presentation	Face-to-Face	Lecture	Students' Projects
		Project Presentation	Face-to-Face	Lecture	Students' Projects
Final Exam					

*Teaching procedures: (Face-to-Face, synchronous, asynchronous).

** Teaching methods: (Lecture, video....).

*** Reference: (Pages of the book, recorded lecture, video....)

Eighth: Assessment Methods

Methods	Online Learning	Blended Learning	Face-To-Face Learning	Specific Course Output to be assessed								
				**If any CILO will not be assessed in the course, mark NA.								
				K1	K2	K3	S1	S2	S3	S4	C1	C2
First Exam												
Second Exam												
Mid-term Exam		30		✓	✓	✓	✓	✓	✓	✓		
Participation		5										
Asynchronous Activities		4			✓	✓	✓	✓		✓		
Quizzes		3			✓		✓	✓		✓		
Assignments		3				✓						
Group presentation		5									✓	✓
Final Exam		50		✓	✓		✓	✓	✓	✓		
Total out of 100		100										

Ninth: Course Policies

- All course policies are applied to all teaching patterns (online, blended, and face-to-face Learning) as follows:
 - a. Punctuality.
 - b. Participation and interaction.
 - c. Attendance and exams.
- Academic integrity: (cheating and plagiarism are prohibited).