Faculty: Information Technology	
Department: Software Engineering	**Program: Master**
Academic Year:	**Semester:**

Course Plan

First: Course Information

Course No.: 1503731	***Course Title Software Project Management***	***Credit Hours: 3***	***Theoretical: 3***	***Practical: 0***
Prerequisite No. and Title:		***Section No.:***	***Lecture Time:***	
Level in JNQF	***9***			
Type Of Course:	☐ ***Obligatory University Requirement*** ☐ ***Elective University Requirement*** ☐ ***Obligatory Faculty Requirement*** ☐ ***Elective Faculty Requirement*** ■ ***Obligatory Specialization Requirement*** ☐ ***Elective Specialization Requirement*** ☐ ***Ancillary course***			
Type of Learning:	☐ ***Face-to-Face Learning*** ■ ***Blended Learning (2 Face-to-Face + 1 Asynchronous)*** ☐ ***Online Learning (2 Synchronous+ 1 Asynchronous)***			

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:	***Sunday***	***Monday***	***Tuesday***	***Wednesday***	***Thursday***
		10:00-11:00			

Third: Course Description

Skills necessary to lead a project team، understand the relationship of software development to overall product engineering، estimate time and costs، and understand the software process. Advanced topics related to life cycle models، requirements elicitation، configuration، to control environments، quality assurance، and leadership، advanced issues of risk analysis، schedule، costs، team organization، resources، monitoring, and technical approach، Capability Maturity Model and the technology and practices associated with each and a variety of software standards.

Fourth: Course Objectives

1. Introducing the student to the fundamental of concept of projects, management, and planning.
2. Developing the student's ability to write advanced activity planning and scheduling for a project.
3. Introducing the student to the fundamental concepts of risk management.
4. Introducing the student to the fundamental concepts of resource allocation.
5. Expanding the student's skills for monitoring and control projects.
6. Providing the student with the skills for writing and dealing with contracts.
7. Providing the student with the skills for managing people.

Fifth: Learning Outcomes

Level descriptor according to (JNQF)	*CILOs Code*	*CILOs* If any CLO will not be assessed in the course, mark NA.	*Associated PILOs Code* *Choose one PILO for each CILO**	*Assessment method* *Choose at least two methods*
Knowledge	**K1**	Understand A wide range of principles of software engineer and software manager, such as planning, organization, and monitoring of all software life-cycle phases	**PK1**	• Mid-term Exam • Final Exam
	K2	Understand the professional and ethical responsibilities of the practicing computer professional including understanding the need for quality.	**PK4**	• Mid-term Exam • Final Exam
	K3	Understand the application of computing in a business context	**PK4**	• Quizzes • Mid-term Exam • Final Exam
Skills	**S1**	Plan, schedule, control, and monitoring software projects.	**PS1**	• Mid-term Exam • Final Exam
	S2	Manage people, manage contract, and allocate resources..	**PS3**	• Mid-term Exam • Final Exam
Competencies	**C1**	Effectively communicate both orally and in writing plans and reports using appropriate tools.	**PC1**	• Participation
	C2	Employ scientific methods in the solution of problems.	**PC3**	• Participation

*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:	***Software Project management***		
Author: B. Hughes and M. Cotterell	***Issue No.: 5th***	***Print:***	***Publication Year: 2017***
Additional Sources and Websites:	• ***Software Project Management, K. Sutha, T. Jebula, 2015***		
Teaching Type:	■ ***Classroom*** □ ***Laboratory*** □ ***Workshop*** ■ ***MS Teams*** ■ ***Moodle***		

Seventh: Course Structure

Week no.	Course Intended Teaching Outcomes (CILOs)	Topics	Teaching Procedures*	Teaching Methods**	References***
1	K1,S1,C1	Introduction To Software Project Management	Face-to-face	Lecturing	Chapter 1-5
	K1,S1,C1	- what is a project - Assignment	Asynchronous	-Video -Assignment	Moodle
2	K1,S1,C1	Introduction To Software Project Management	Face-to-face	Lecturing	Chapter 1-5
	K1,S1,C1	-project planning	Asynchronous	-Video	Moodle
3	K1,S1,C1	Introduction To Software Project Management	Face-to-face	Lecturing	Chapter 1-5

	K1,S1,C1	-Software project management -Assignment	Asynchronous	-Video	Moodle
4	K1,S1,C1	Advanced activity planning Advanced Project schedule Advanced Network planning model	Face-to-face	Lecturing	Chapter 6
	K1,S1,C1	Stepwise project planning	Asynchronous	-Video	Moodle
5	K1,S1,C1	Advanced activity planning Advanced Project schedule Advanced Network planning model	Face-to-face	Lecturing	Chapter 6
	K1,S1,C1	PRINCE2 project planning	Asynchronous	-Video	Moodle
6	K1,S1,C1	Advanced activity planning Advanced Project schedule Advanced Network planning model	Face-to-face	Lecturing	Chapter6
	K1,S1,C1	-Agile model (video) - Assignment	Asynchronous	-Video -Assignment	Moodle
7	K1,C2	Project risk management Risk prioritization Risk reduction leverage Using PERT to evaluate risks	Face-to-face	Lecturing	Chapter 7
	K1,C2	-Risk management (video) -Assignment	Asynchronous	-Video -Assignment	Moodle
Midterm Exam					
8	K1,C2	- Project risk management Risk prioritization Risk reduction leverage Using PERT to evaluate risks	Face-to-face	Lecturing	Chapter 7

	K1,C2	--Risk management (video) - Assignment	Asynchronous	-Video -Assignment	Moodle
9	K1,C2	Project risk management Risk prioritization Risk reduction leverage Using PERT to evaluate risks	Face-to-face	Lecturing	Chapter 7
	K1,C2	Risk management (video)	Asynchronous	-Video	Moodle
10	K1,S2	Resource allocation Resource histogram Critical path Allocating individual Cost schedule	Face-to-face	Lecturing	Chapter 8
	K1,S2	- Resource allocation (video) -Assignment	Asynchronous	-video -Assignment	Moodle
11	K1,k3,S2	- Resource allocation Resource histogram Critical path Allocating individual Cost schedule	Face-to-face	Lecturing	Chapter 8
	K1,k3,S2	-Resource allocation (video) -Assignment	Asynchronous	- Video -Assignment	Moodle
12	K2,K3	Monitoring and control	Face-to-face	Lecturing	Chapter 9
	K2,K3	- Monitoring and control (video) -Assignment	Asynchronous	-video -Assignment	Moodle

13	**K2,K3,S1,S2**	**Types of contracts Time and Material Contract management**	**Face-to-face**	**Lecturing**	**Chapter 10**
	K2,K3,S1,S2	**- Types of contracts (video)**	**Asynchronous**	**-Video**	**Moodle**
14	**K2,K3,S1,S2**	**Managing people and organizing teams**	**Face-to-face**	**Lecturing**	**Chapter 11**
	K2,K3,S1,S2	**- Managing people (video)**	**Asynchronous**	**-Video**	**Moodle**
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	C1	C2
First Exam										
Second Exam										
Mid-term Exam		30		✓	✓		✓		✓	✓
Participation		5		✓						
Asynchronous Activities										
Quizzes		5		✓			✓			✓
Assignments										
Group presentation		20		✓			✓			
Final Exam		40		✓	✓	✓	✓	✓	✓	✓
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).