IT Project Management (CUE)

1. Information on the Programme

1.1. Higher Education Institution	Cihan University Sulaymaniyah
1.2. College	Science
1.3. Department	Computer Science
1.4. Field of Study	IT Project Management
1.5. Cycle of Study[1]	1
1.6. Specialization/ Study Programme	Computer Science
1.7. Form of Education	Full Time

2. Information on the Discipline

2.1. Discipline Name	IT Project Management
2.2. Code	
2.3. Language:	English
2.4. (Theory) Lecturer **E-mail:** **Tel:**	Assistant Lecturer Sherko Hama law Murad **sherko.murad@sulicihan.edu.krd** (+964)-07702452429
2.5. Practical/Seminar/ Laboratory/ Project Lecturer **e-mail:** **Tel:**	Assistant Lecturer Sherko Hama law Murad **sherko.murad@sulicihan.edu.krd** (+964)-07702452429

2.6. **Year of Study**	Third	**2.7 Semester**	Five	**2.8. Assessment Type[2]**	Written exam	**2.9. Discipline Status**	Content[3]	CD
							Mandotary[4]	MD

3. Total estimated time (Teaching Hours per Semester)

Total Contact Hours:	52
Total Self Study Hours:	110
Total No. Hours:	162
ECTS:	06

No. of Weeks	Contact Hours					Self-Study					
	Theoretical	Practical	Lab.	Project	Visit	Quiz	Reading	Assignment	Report	Midterm Exam.	Final Exam.
1st Week (Registration)	-	-	-	-	-	-	-	-	-	-	-
2nd Week	2	2					2				
3rd Week	2	2				2	2	6			
4th Week	2	2				2	2				
5th Week	2	2				2	2		8	10	
6th Week	2	2					2				
7th Week	2	2					2				
8th Week	2	2					2				20
9th Week	2	2				2	2	8			
10th Week	2	2				2	2			10	
11th Week	2	2					2				
12th Week	2	2				2	2		8		
13th Week	2	2				2	2				
14th Week	2	2					2				
15th Week (Final Exam.)											
16th Week (Final Exam.)											
TOTAL	26	26				14	26	14	16	20	20

2

4. Prerequisites (if applicable)

4.1 Curriculum-Related	Introduction to IT Project Management
4.2 Skills-Related	Microsoft Project

5. Conditions (if applicable)

5.1. For the Theoretical	-Read and comprehend the textbook material with examples. -Attend all the classes and take notes on class discussions. -Actively participate in class discussions and activities. -Submit all the assignments and reports on deadline. -Pass tests and quizzes.
5.2. For the Practical	All students are normally required to attend the Lab; take part in lectures through applying the exercises on the computer or as quizzes.

6. Cumulated Specific Competences

Professional Competencies	IT project management requires a combination of technical, managerial, and interpersonal skills. Key competencies include knowledge of project management methodologies and IT systems, strategic planning, risk and resource management, and quality control. Strong leadership, communication, teamwork, problem-solving, and adaptability are also essential to ensure projects are delivered successfully, on time, and aligned with organizational goals.
Transversal competences	Key transversal competences include: Communication skills – clear expression and active listening. Teamwork & collaboration – working effectively with diverse groups. Problem-solving & critical thinking – analyzing issues and finding solutions. Adaptability & flexibility – adjusting to change and new situations. Leadership & initiative – motivating others and taking responsibility. Time management & organization – prioritizing tasks efficiently. Digital literacy – using technology effectively. Lifelong learning – continuous self-development and openness to new knowledge.

7. Discipline Objectives (Based on the cumulated specific Competences)

7.1. General Objective	The general objective of IT project management is to ensure the successful planning, execution, and delivery of technology projects by applying effective management practices, optimizing resources, and aligning outcomes with organizational goals.
7.2. Specific Objectives	▪ To plan project scope, schedule, and budget effectively using standardized methodologies. ▪ To allocate and manage resources (human, financial, and technical) efficiently. ▪ To identify, assess, and mitigate risks throughout the project lifecycle. ▪ To ensure clear communication and collaboration among stakeholders and team members. ▪ To monitor project progress using tools and performance indicators for timely adjustments. ▪ To deliver project outcomes that meet quality standards and align with organizational goals. ▪ To promote adaptability and continuous learning in response to technological changes.

8. Content

Week	8.1. Theoretical-Number of Hours	Teaching methods	Observation
1	Registration		
2	• Project Definition • Project Management Framework • Project Life Cycle • Project Stakeholders • Project Manager	lecture	**1 lecture = 2 hours**
3	• Project Scope • Project Priorities • Work Breakdown Structure (WBS)	lecture	**1 lecture = 2 hours**

4	• The Project Management Process Groups • Project Management Process Groups • Mapping the Process Groups to the Knowledge Areas • Developing an IT Project Management Methodology Case Study 1: JWD Consulting's Project Management Intranet Site Project (Predictive Approach) • Project Pre-Initiation and Initiation	lecture	**1 lecture = 2 hours**
5	• Project Integration Management • What Is Project Integration Management? • Strategic Planning and Project Selection • Strategic Planning • Identifying Potential Projects • Aligning IT with Business Strategy • Methods for Selecting Projects • Focusing on Broad Organizational Needs • Categorizing IT Projects	Lecture	**1 lecture = 2 hours**
6	• What is Project Plan • Developing a Project Plan • What is Project Network • Constructing a Project Network • Gantt Chart • PERT • CPM	Lecture	**1 lecture = 2 hours**
7	**MIDTERM EXAM 1**		
8	• Risk management • What is Risk? • Risk Categories	Lecture	**1 lecture = 2 hours**

	• Risk Breakdown Structure (RBS) • IT Projects RBS • Risk Management		
9	• Resource Scheduling • Resources Scheduling Classification • Resource Allocation Methods • Time-Phased Cost (Budget) Allocation	Lecture, Quiz	**1 lecture = 2 hours**
10	• Project Cost Management • The Importance of Project Cost Management • What Is Cost? • What Is Project Cost Management? • Basic Principles of Cost Management • Planning Cost Management Estimating Costs • Types of Cost Estimates	Lecture	**1 lecture = 2 hours**
11	• Project Quality Management • The Importance of Project Quality Management • What Is Project Quality Management? • Planning Quality Management • Managing Quality • Controlling Quality • Tools and Techniques for Quality Control	lecture	**1 lecture = 2 hours**
12	• Auditing and Reporting • Project Control and Monitoring • Project Reporting • Project Audit • Audit Reporting	lecture	**1 lecture = 2 hours**
13	• RFPs and Contracts • IT Tenders • Request For Information (RFI) • Contractor Selection	lecture	**1 lecture = 2 hours**

	• IT Contract Types • IT Contract Management		
14	• Final exam	lecture	**1 lecture = 2 hours**

week	8.2. Practical Works–Number of Hours	Observation
1	Registration	
2	Lecture	**1 lecture = 2 hours**
3	Lecture	**1 lecture = 2 hours**
4	Lecture	**1 lecture = 2 hours**
5	Lecture, assignment	**1 lecture = 2 hours**
6	Lecture	**1 lecture = 2 hours**
7	**MIDTERM EXAM 1**	**2 hours**
8	Lecture	**1 lecture = 2 hours**
9	Lecture	**1 lecture = 2 hours**
10	Lecture	**1 lecture = 2 hours**
11	**MIDTERM EXAM 2**	**2 hours**
12	Lecture	**1 lecture = 2 hours**
13	Lecture	**1 lecture = 2 hours**
14	Lecture	**1 lecture = 2 hours**

Compulsory bibliography: Key references:

Information Technology project management ninth Edition Kathy Schwalbe

Optional Bibliography:

*Information Technology project management ninth Edition **Kathy Schwalbe***

9. Assessment

Type of Activity	9.1. Assessment Criteria[2]	9.2. Assessment Type	9.3. Percentage of the final Grade
9.4. Theoretical	Mid-term (30%)	Exam	**%30**
9.5. Practical/ Seminar/Laboratory	Final-Exam (50%)	Exam	**%40**
9.6. Activity during Semester	Quizzes (10%) Assignment (5%) Attendance (5%) Project (10%)	Exam	**%30**

Minimum performance Standards:

Theoretical Lecturer	**Sherko H. Murad**
Practice Lecturer	**Sherko H. Murad**

Approved by the Curriculum development Committee:	
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2	
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Head of the Department/ Dean	Dr. Esan Kanbar