

1. Course Name:	Project Management
2. Course Code:	MIE31206
3. Semester / Year:	Semester
4. Description Preparation Date:	2025/11/24
5. Available Attendance Forms:	Two-hour theoretical lecture per week
6. Number of Credit Hours (Total) / Number of Units (Total)	Total Credit Hours 30 Number of Units 3
7. Course administrator's name (mention all, if more than one name)	Maher Fadhil Abdulameer College email <a href="mailto:maher.fadhil@muc.edu.iq">maher.fadhil@muc.edu.iq</a>
8. Course Objectives	<p><b>Course Objectives</b></p> <ol style="list-style-type: none"> <li>1. Introduce the fundamental concepts and principles of project management.</li> <li>2. Develop an understanding of project planning, scheduling, and controlling techniques.</li> <li>3. Explore cost accounting methods and their application in project management.</li> <li>4. Gain knowledge of machine replacement, materials handling, and inventory control in projects</li> <li>5. Learn about time management techniques and their significance in project management.</li> </ol>
9. Teaching and Learning Strategies	<p><b>Strategy</b></p> <ul style="list-style-type: none"> <li>• Lectures to introduce key concepts and theories.</li> <li>• Case studies and practical examples to illustrate application in real-world scenarios.</li> <li>• Group discussions and activities to promote active learning and collaboration.</li> <li>• Assignments and projects to apply learned techniques and tools.</li> </ul>

## Course Description Form

- Continuous Feedback: Provide regular feedback to support student progress and understanding.

## 1. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
Week 1	2	Define and explain the key elements, objectives, and phases of project	Project Management: Introduction, Elements, Objectives and Phases	Lecture	Quiz
Week 2	2	Apply project planning, scheduling, and controlling techniques effectively.	Planning and Controlling Projects: Planning, Scheduling and Controlling	Lecture	Quiz
Week 3	2	Utilize project planning techniques such as Gantt chart	Project Planning Techniques - Gantt chart	Lecture	Exam
Week 4	2	Critical Path Method (CPM), and Project	Project Planning Techniques - Critical Path Method (CPM)	Lecture	Report
Week 5	2	Evaluation and Review Technique (PERT)	Project Evaluation and Review Technique (PERT)	Lecture	Report
Week 6	2	Concept of crashing project networks to expedite project completion	Crashing of project networks	Lecture	Quiz
Week 7	2	Exam	Mid-term Exam	Lecture	Exam
Week 8	2	Apply cost accounting methods	Account Methods (Unit Cost Calculations)	Lecture	Quiz
Week 9	2	Cost calculations and break-even analysis	Cost Account Methods (Break Even Analysis Method)	Lecture	Quiz
Week 10	2	Demonstrate knowledge of depreciation accounting methods	(1) Straight-line Method (2) Sum-of- Years Digits (SOYD) Method	Lecture	Report
Week 11	2	Sum-of-years digits, reducing balance, and double-declining balance	(3) Reducing Balance (RB) Method (4) Double-Declining Balance (DDB) Method	Lecture	Report
Week 12	2	Evaluate machine replacement	Machine Replacement	Lecture	Quiz
Week 13	2	Analyze materials handling strategies	Materials Handling	Lecture	Quiz

Week 14	2	Apply Material Requirements Planning	Material Requirements Planning (MRP)	Lecture	Quiz
Week 15	2	Exam	Preparatory week before the final exam	Lecture	Exam

## 2. Course Evaluation

**Final Exam 60 degree**

**Mid Exam 40 degree**

## 3. Learning and Teaching Resources

- Project Management: A Systems Approach to Planning, Scheduling, and Controlling" by Harold Kerzner
- Project Management: The Managerial Process" by Clifford Gray  
Lecture Slides: Prepared lecture slides covering the key concepts, frameworks, and techniques of project management will be provided to students. y and Erik Larson