

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Project Management		Module Delivery	
Module Type	Support		☒ Theory ☐ Lecture ☐ Lab ☐ Tutorial ☐ Practical ☒ Seminar	
Module Code	MIET3106			
ECTS Credits	3			
SWL (hr/sem)	75			
Module Level	UGIII	Semester of Delivery		5
Administering Department	MIET	College	Engineering Technologies	
Module Leader	Morteza Abbas Imran		e-mail	mortezaabbas@hilla-unc.edu.iq
Module Leader's Acad. Title	Assistant Lecturer		Module Leader's Qualification	MSc
Module Tutor			e-mail	
Peer Reviewer Name			e-mail	
Scientific Committee Approval Date	15/3/2026		Version Number	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	1. Introduce the fundamental concepts and principles of project management. 2. Develop an understanding of project planning, scheduling, and controlling techniques. 3. Explore cost accounting methods and their application in project management. 4. Gain knowledge of machine replacement, materials handling, and inventory control in projects 5. Learn about time management techniques and their significance in project management.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Define and explain the key elements, objectives, and phases of project management. 2. Apply project planning, scheduling, and controlling techniques effectively. 3. Utilize project planning techniques such as Gantt charts, Critical Path Method (CPM), and Project Evaluation and Review Technique (PERT). 4. Understand the concept of crashing project networks to expedite project completion. 5. Apply cost accounting methods, including unit cost calculations and break-even analysis. 6. Demonstrate knowledge of depreciation accounting methods: straight-line, sum-of-years digits, reducing balance, and double-declining balance. 7. Evaluate machine replacement decisions in project management. 8. Analyze materials handling strategies in project environments. 9. Apply Material Requirements Planning (MRP) concepts in project settings. 10. Understand inventory control techniques and their relevance to project management. 11. Implement time management strategies to optimize project efficiency.
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. 1. Introduction to Project Management: Elements, Objectives, and Phases(5) 2. Planning and Controlling in Projects(5) • Planning • Scheduling • Controlling 3. Project Planning Techniques(5) • Gantt chart

	• Critical Path Method (CPM) • Project Evaluation and Review Technique (PERT) 4. Crashing of Project Network(5) 5. Cost Account Methods(5) • Unit Cost Calculations • Break-Even Analysis Method 6. Depreciation Accounting Methods(5) • Straight-line Method • Sum-of-Years Digits (SOYD) Method • Reducing Balance (RB) Method • Double-Declining Balance (DDB) Method 7. Machine Replacement(2) 8. Materials Handling(2) 9. Material Requirements Planning (MRP) (2) 10. Inventory Control(2) 11. Time Management(2)
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Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

Strategies	• Lectures to introduce key concepts and theories. • Case studies and practical examples to illustrate application in real-world scenarios. • Group discussions and activities to promote active learning and collaboration. • Assignments and projects to apply learned techniques and tools. • Continuous Feedback: Provide regular feedback to support student progress and understanding.
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Student Workload (SWL)

الحمل الدراسي للطالب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	3
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	27	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	2
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	75		

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	20% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.				
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	Project Management: Introduction, Elements, Objectives and Phases
Week 2	Planning and Controlling in Projects: Planning, Scheduling and Controlling
Week 3	Project Planning Techniques - Gantt chart
Week 4	Project Planning Techniques - Critical Path Method (CPM)
Week 5	Project Planning Techniques - Project Evaluation and Review Technique (PERT)
Week 6	Crashing of project network Cost Account Methods (Unit Cost Calculations)
Week 7	Mid-Exam
Week 8	Cost Account Methods (Break Even Analysis Method)
Week 9	Depreciation Accounting Methods: (1) Straight-line Method (2) Sum-of- Years Digits (SOYD) Method
Week 10	Depreciation Accounting Methods:

	(3) Reducing Balance (RB) Method (4) Double-Declining Balance (DDB) Method
Week 11	Machine Replacement
Week 12	Materials Handling
Week 13	Material Requirements Planning (MRP)
Week 14	Inventory Control
Week 15	Time Management Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Project Management: Introduction, Elements, Objectives and Phases
Week 2	Planning and Controlling in Projects: Planning Scheduling Controlling
Week 3	Project Planning Techniques Gantt chart
Week 4	Project Planning Techniques Critical Path Method (CPM)
Week 5	Project Planning Techniques Project Evaluation and Review Technique (PERT)
Week 6	Crashing of project network
Week 7	Cost Account Methods Unit Cost Calculations
Week 8	Cost Account Methods Break Even Analysis Method
Week 9	Depreciation Accounting Methods: (1) Straight-line Method (2) Sum-of- Years Digits (SOYD) Method (3) Reducing Balance (RB) Method Double-Declining Balance (DDB) Method
Week 10	Machine Replacement

Week 11	Materials Handling
Week 12	Material Requirements Planning (MRP)
Week 13	Inventory Control
Week 14	Time Management

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	"Project Management: A Systems Approach to Planning, Scheduling, and Controlling" by Harold Kerzner	Yes
Recommended Texts	"Project Management: The Managerial Process" by Clifford Gray and Erik Larson	No
Websites	Lecture Slides: Prepared lecture slides covering the key concepts, frameworks, and techniques of project management will be provided to students.	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54). The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.


د. ه. أ. ه. الخياط
عميد

عميد الكلية : أ.د. هارون عبد الكاظم شهد

التاريخ : 2026 / 3 / 15



رئيس القسم : أ.د. محمود شاكر نصر

التاريخ : 2026 / 3 / 15



اسم التدريسي: م.م. مرتضى عباس عمران

التاريخ : 2026 / 3 / 15