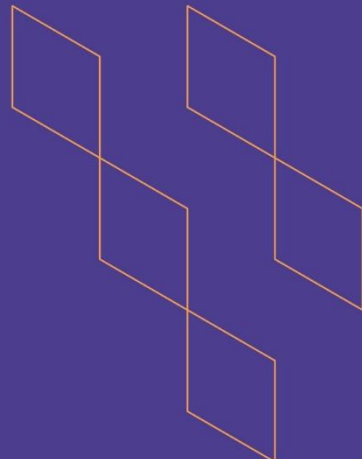




T-104
2022

Course Specification



Course Title: **Projects Management**

Course Code: **IE467-2**

Program: **Bachelor of Science in Industrial Chemistry**

Department: **Industrial Engineering Department**

College: **College of Engineering and Computer Science**

Institution: **Jazan University**

Version: **Version 1**

Last Revision Date: 10/03/2024



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A. General information about the course:

Course Identification

1. Credit hours: 2 credit hours (1 Lecture, 1 Tutorial,)

2. Course type

a. University ☐ College ☐ Department ☒ Track ☐ Others ☐

b. Required ☐ Elective ☒

3. Level/year at which this course is offered: 8th Level /4th Year

4. Course General Description

This course will introduce the project management concept and project life cycle in the first week. We will be in a journey during this course starting from the context of project initiation by focusing on strategic management and project selection, project manager's roles and responsibilities, managing conflict and negotiation and establishing the project organization. Then, we will move to discover the essential of planning the project organizations in terms of activities, costs, risks, resources and schedule. After that, we will discuss the project execution throughout monitoring, controlling and auditing. Finally, this course will end up with the project termination.

5. Pre-requirements for this course (if any): N/A

6. Co- requirements for this course (if any):N/A

7. Course Main Objective(s)

By the end of this course student will be able to:

- Organize management strategies and the selection of project criteria
- Recognize the benefits of using network techniques for project schedule planning
- Use PERT and CPM project scheduling methods
- Understand the organizational structure and culture

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	30	100%
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4.	Distance learning		

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
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1.	Lectures	15
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	15
5.	Others (specify)	
	Total	30

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Organize strategy management and project selection criteria	K1	<ul style="list-style-type: none"> Lectures Class Discussions 	<ul style="list-style-type: none"> Exams Group discussion Quizzes
1.2	Recognize The benefits of using network techniques for project schedule planning	K2	<ul style="list-style-type: none"> Lectures Class Discussions and presentation 	<ul style="list-style-type: none"> Exams Quizzes Quizzes
2.0	Skills			
2.1	Use PERT and CPM project scheduling methods	S1	Achieved through: <ul style="list-style-type: none"> Lectures Case studies 	Testing the cognitive skills through a combination of: <ul style="list-style-type: none"> Written test questions Assignment Problems
2.2	The critical path method of crashing a project	S2	<ul style="list-style-type: none"> Lectures Class Discussions 	Report presentation assessment using rubrics
2.3	Organizational structure and culture	S4	Achieved through: <ul style="list-style-type: none"> Lectures Case studies 	<ul style="list-style-type: none"> Written test questions Assignment Problems
2.4	Project termination steps and final report	S5	Achieved through: <ul style="list-style-type: none"> Lectures Case studies 	<ul style="list-style-type: none"> Written test questions Project presentation assessment
3.0	Values, autonomy, and responsibility			





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
3.1	Negotiation, conflicts and leadership management for the project team	V2	<ul style="list-style-type: none"> Team project report and presentation 	<ul style="list-style-type: none"> Observation of student's performance Checklist of works carried out by student.
	Characteristics of Effective Project Managers and Project Team Members	V1	<ul style="list-style-type: none"> Team project report and presentation 	<ul style="list-style-type: none">

C. Course Content

No	List of Topics	Contact Hours
1.	Chapter 1: Introduction and Projects in Contemporary Organizations.	2
2.	Chapter 2: Strategic Management; The Nature of Project Selection Model.	2
3.	Chapter 3: The Project Manager.	2
4.	Chapter 4: Managing Conflict and the Art of Negotiation.	2
5.	Chapter 5: The Project in the Organizational Structure.	2
6.	Chapter 6: Project Planning; Project Activity and Risk Planning.	2
7.	Chapter 7: Budgeting; Estimating Costs and Risks.	2
8.	Chapter 8: Scheduling; Terminology and terms; Critical Path Method.	2
9.	Chapter 9: Resource Allocation.	2
10.	Chapter 10: Monitoring and Information Systems; Terms.	2
11.	Chapter 11: Project Control.	4
12.	Chapter 12: Project Auditing.	3
13.	Chapter 13: Project Termination; Critical Success Factors.	3
Total		30



D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Mid-term Exam	7	25%
2.	Group project report	11	10%
3.	Oral Presentation	11	5%
4.	Assignment problems	4 - 9	10%
5.	Final written exam	13	50%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Project Management: A Managerial Approach, <i>Jack R. Meredith, Samuel J. Mantel, Jr., Scott M. Shafer, 2015, Ninth Edition, John Wiley & Sons, Inc.</i>
Supportive References	<ul style="list-style-type: none"> • Project Management: A Managerial Approach, 11th Edition Jack R. Meredith, Scott M. Shafer, Samuel J. Mantel Jr. 2021 • A Guide to the Project Management Body of Knowledge (PMBOK® Guide)—Fifth Edition, Project Management Institute, 2013 • Harold R. Kerzner, Project Management: A Systems Approach to Planning, Scheduling, and Controlling, 11th edition, John Wiley and Sons, 2013. • Martinelli, R. (2016). Project management Toolbox: Tools and techniques for the practicing project manager (2nd ed.) Wiley.
Electronic Materials	<ul style="list-style-type: none"> • Lecture notes.
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	(Classrooms, laboratories, exhibition rooms)
Technology equipment (projector, smart board, software)	smart board, software
Other equipment (depending on the nature of the specialty)	N/A

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Program Leaders	Direct – Class observation (Using Rubric)
Effectiveness of students assessment	Faculty	Indirect
Quality of learning resources	Faculty & Students	Indirect
The extent to which CLOs have been achieved	Program Leaders	Direct
Other		

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	Physical Sciences Department Council
REFERENCE NO.	Meeting (3)
DATE	12/03/2024 -02/09/1445