



Course Specification

(Bachelor)

Course Title: **Project (1)**

Course Code: **COE4005**

Program: **Bachelor of Construction Engineering**

Department: **Civil and Environmental Engineering Department**

College: **College of Engineering and Computing in Al-Qunfudhah**

Institution: **Umm Al-Qura University**

Version: **5**

Last Revision Date: **March 2025**



Table of Contents

A. General information about the course:.....	3
B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods.....	4
C. Course Content.....	4
D. Students Assessment Activities.....	5
E. Learning Resources and Facilities.....	5
F. Assessment of Course Quality.....	5
G. Specification Approval.....	6



A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A. University College Department Track Others

B. Required Elective

3. Level/year at which this course is offered: (9/5)

4. Course General Description:

Each group of students is required to prepare a project proposal, review relevant literature and develop a work plan. Project team is required to submit and present technical progress report

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

120 Credit Hours

6. Co-requisites for this course (if any):

7. Course Main Objective(s):

By the end of the Project 1, students will be able to understand the importance of modeling real-life work, define and formulate engineering problems, and apply planning, critical thinking, and analytical skills. They will develop teamwork abilities, create effective project plans to ensure timely completion, conduct literature reviews, and enhance research, reading, and academic writing skills.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	None	None
2	E-learning	None	None
3	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 	None	None



No	Mode of Instruction	Contact Hours	Percentage
4	project	45	100%

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	None
2.	Laboratory/Studio	None
3.	Field	None
4.	Tutorial	None
5.	Others (Project)	45
Total		45

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Explain fundamental construction engineering concepts, principles, and procedures.	K1	Weekly progress meetings	Mid-term progress report or Final oral presentation
1.2	Describe specialized knowledge and research methods used to analyze construction challenges.	K3	Weekly progress meetings	Mid-term progress report or Final oral presentation
2.0	Skills			
2.1	Apply engineering principles to identify and solve complex construction problems.	S1	Weekly progress meetings	Mid-term progress report or Final oral presentation
2.2	Apply critical thinking to develop and	S2	Weekly progress	Mid-term progress report



Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
	propose innovative project solutions.		meetings	or Final oral presentation
2.3	Conduct experiments, analyze data, and draw valid conclusions.	S3	Weekly progress meetings	Mid-term progress report or Final oral presentation
2.4	Communicate project results effectively using quantitative methods and digital tools.	S5	Weekly progress meetings	Mid-term progress report or Final oral presentation
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate ethical responsibility by assessing the societal impact of project decisions.	V1	Weekly progress meetings	Mid-term progress report or Final oral presentation
3.2	Effectively manage tasks, collaborate professionally, and assume leadership roles in team settings.	V3	Weekly progress meetings	Mid-term progress report or Final oral presentation

C. Course Content

No	List of Topics	Contact Hours
1.	Research activities: research strategies, citations, notations, and bibliography	30
2.	Work activities: all work assigned throughout the course.	15
Total		45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm progress report	7	30%
2.	Project presentation and defense	15	70%

*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	NA
Supportive References	NA
Electronic Materials	NA
Other Learning Materials	None

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Equipped Classroom
Technology equipment (projector, smart board, software)	Blackboard, Data show, Smart Board
Other equipment (depending on the nature of the specialty)	None

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Student	Indirect
	Instructor	Direct
Effectiveness of Students assessment	Student	Indirect
	Instructor	Direct
Quality of learning resources	Student	Indirect
	Instructor	
The extent to which CLOs have been achieved	Instructor	Direct
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	Civil and Environmental Engineering Department Council in Al-Qunfudah
REFERENCE NO.	The fifteenth session of the academic year 1446





DATE

01/05/2025

