هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission
اعتماد
NCAAA
2024
TP-153

Course Specification

(Bachelor)

Course Title:	Project (2)
Course Code:	COE4006
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

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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: (10/5)					
4. Course General Description:					
In continuation of Project (1), each team work achieves a complete analysis and design of their projects. Each student in the team is expected to handle a specific task of the project and coordinate his work with the rest of the group. Each team is required to submit its preliminary design with all necessary documents and drawings. At the end of the course, the team work is required to deliver a final presentation.					
5. Pre-requirements for this course (if any)**:**					
Project (1) (COE4005)					
6. Co-requisites for this course (if any)**:**					
7. Course Main Objective(s):					
By the completion of the Project 2, students will understand the importance of constructing models that reflect real-life work environments and challenges. They will develop skills in planning, critical thinking, and careful analysis, while receiving training in reading, writing, and research methodologies. Students will also explore various research techniques, including field measurements, experimental setups, and computational simulations, aiming to apply these skills effectively to produce comprehensive project deliverables.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	None	None

No	Mode of Instruction	Contact Hours	Percentage
2	E-learning	None	None
3	Hybrid • Traditional classroom • E-learning	None	None
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	**S1**	Weekly	Mid-term

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
	and solve complex construction problems.		progress meetings	progress report or Final oral presentation
2.2	Apply critical thinking to develop innovative and context-appropriate solutions.	**S2**	Weekly progress meetings	Mid-term progress report or Final oral presentation
2.3	Communicate project findings 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, environmental, and economic impacts of project decisions.	**V1**	Weekly progress meetings	Mid-term progress report or Final oral presentation
3.2	Develop self-improvement strategies through continuous learning, performance assessment, and evidence-based decision-making.	**V2**	Weekly progress meetings	Mid-term progress report or Final oral presentation
3.3	Independently manage project tasks while collaborating effectively in diverse teams and taking leadership roles in project planning and execution.	**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.	**6**

2.	Work activities: all work assigned throughout the course.	18
3.	Final Product: model, software, paper, theoretical study, etc.	9
4.	Final Report: Written in good technical writing style. Also, a poster and copies of flyer should be prepared.	6
5.	Presentation: Presentation before the Graduation Evaluation Committee. Presentation must be appropriate for department presentation rules and must be suited to the topic.	6
6.		
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 Instructor	Indirect Direct
Effectiveness of Students assessment	Student Instructor	Indirect Direct
Quality of learning resources	Student Instructor	Indirect
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**