



Course Specification

(Bachelor)

Course Title: **Facility Management**

Course Code: **COE4412**

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: **4th**

Last Revision Date: **14 January 2025**



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A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
2. Course type					
A.	<input type="checkbox"/> University	<input type="checkbox"/> College	Department	<input type="checkbox"/> Track	Others
B.	Required		Elective		
3. Level/year at which this course is offered: (Level 9-10 / Year 5)					
4. Course General Description:					
The course will instill an understanding of the principles and practice of facility management, and show how facility management should be performed to support the core business of client organizations.					
5. Pre-requirements for this course (if any):					
Construction Project Management COE3401					
6. Co-requisites for this course (if any):					
7. Course Main Objective(s):					
Develop and describe a Facility Management strategy for a specific organization based on investigating and analyzing needs, opportunities, and relevant practices and tools. Explain the functions of a Facility Management organization (FMO), differentiate between types of FMOs, and evaluate their applicability in various contexts. Investigate, describe, and analyze an empirical case of FM-related change or innovation using scientific literature and methods, and report the results.					

2. Teaching mode (mark all that apply)

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





3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	45
2.	Laboratory/Studio	
3.	Field	
4.	Tutorial	
5.	Others (specify)	
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			
...	N/A			
2.0	Skills			
2.1	Develop and describe a Facility Management strategy for a specific organization, based on investigation and analysis of needs and opportunities, and knowledge of relevant practices and tools.	S1	Interactive learning Self-directed learning	Midterm Exam, Final Exam
2.2	Explain the functions of a Facility Management organization (FMO), differentiate between and describe types of FMOs, and evaluate their applicability in various contexts.	S2		
2.3	Investigate, describe and analyze an empirical case of FM-related change or innovation, using scientific literature and methods, and report results	S4		
3.0	Values, autonomy, and responsibility			





Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
...	N/A			

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to facility management practice	3
2.	Facility management purposes and roles (core business support, owner/client, users and service providers)	6
3.	Hard and soft FM services, principles of service management and standards	6
4.	Strategy components and development	6
5.	People and organizations (stakeholder impact analysis, engagement and communication)	3
6.	Midterm Exam	3
7.	Outsourcing, purchasing, contract specifications and management	3
8.	Performance management (performance measurement, KPIs, benchmarking, management of risk (threats and opportunities) and sustainability).	3
9.	Change and innovation in Facility Management	6
10.	Application of scientific methods, analysis and writing	6
Total		45

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	4, 6, 12	15%
2.	Homework	3, 9, 13	15%
3.	Midterm Exam	8	30%
4.	Final Exam	16 or 17	40%

*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	Atkin, B., & Brooks, A. (2021). Total facility management (5th ed.). Wiley-Blackwell.
Supportive References	Williams, J. (2020) Operations guide for FM. Independently published.
Electronic Materials	
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom with minimum capacity of 30 students
Technology equipment (projector, smart board, software)	Projector, whiteboard
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Lecturer / Students	Direct / Indirect (Grades, surveys)
Effectiveness of Students assessment	Faculty	Indirect (Barriers to understand successor course)
Quality of learning resources	Lecturer	Direct (Grades)
The extent to which CLOs have been achieved	Lecturer / Faculty	Direct (Grades)
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

