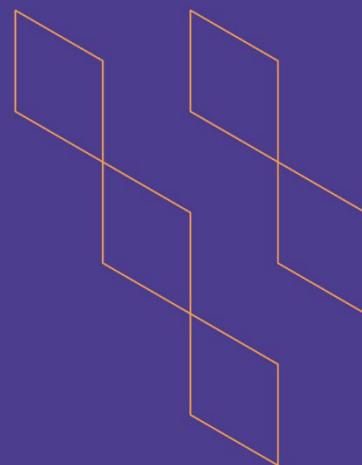




T-104
2022

Course Specification



Course Title: Construction Management (ادارة التشييد والبناء)

Course Code: IND 875

Program: Interior Design Program

Department: Architecture Department

College: College of Engineering and Information Technology

Institution: Onaizah Private Colleges

Version: Third Version

Last Revision Date: 2025-05-20

Previous Course Specification

https://drive.google.com/file/d/1tBREUrzYk_PCn_VZCzBYHWgK_7s_rlf6/view





Table of Contents:

Content	Page
A. General Information about the course	3
1. Teaching mode	3
2. Contact Hours (based on the academic semester)	3
Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods	5
C. Course Content	7
D. Student Assessment Activities	8
E. Learning Resources and Facilities	9
1. References and Learning Resources	9
2. Required Facilities and Equipment	9
F. Assessment of Course Qualit	10
G. Specification Approval Data	11





A. General information about the course:

Course Identification					
1. Credit hours:	2 Credit Hours [Theoretical]				
2. Course type	a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Track <input type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>				
3. Level/year at which this course is offered:	Eighth Level / Fourth Year				
4. Course general Description	<p>This course introduces students to the core principles and practices of construction management as applied to interior design projects. Emphasizing the integration of design intent with execution, the course covers key aspects of project planning, budgeting, scheduling, site coordination, procurement, and communication between clients, contractors, and consultants. Students will learn how to manage interior construction projects from concept to completion while maintaining control over quality, cost, time, and safety. Topics include construction delivery methods, interpretation of construction documents, risk assessment, trade coordination, on-site supervision, and quality assurance processes. The course also familiarizes students with industry-standard project management tools and documentation practices. By the end of the course, students will be equipped to effectively participate in the construction phase of interior design, bridging the gap between creative vision and built reality.</p>				
5. Pre-requirements for this course (if any):	IND 774				
6. Co- requirements for this course (if any):	None				
7. Course Main Objective(s)	<p>The primary objective of this course is to equip students with a comprehensive understanding of construction management principles as they relate to interior design projects. Students will learn how to plan, organize, and manage interior construction processes, including project scheduling, budgeting, and resource allocation. Emphasis is placed on analyzing project delivery methods, interpreting construction documents, and coordinating multidisciplinary teams involved in interior fit outs. The course also aims to develop students' abilities to implement risk management strategies, ensure quality control, and maintain compliance with design intent, safety standards, and building codes. Through engagement with real-world case studies and construction management tools, students will strengthen their professional communication, technical documentation, and decision-making skills. Ultimately, the course prepares students to confidently manage the transition from design concept to build reality with precision and professional competence.</p>				

1. Teaching mode

No.	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		
2	E-learning		





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

2. Contact Hours (based on the academic semester)

No.	Activity	Contact Hours
1	Lectures	30
2	Laboratory/Studio	
3	Field	
4	Tutorial	
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			
IND 875.C LO.K.1	Discuss the fundamental principles of project management and scheduling, including float analysis and its relevance to interdisciplinary coordination in interior design projects.	K.1(التصميم ببرنامج Interior Design)	Primary: Lecture Additional: Discussion (or similar active learning strategies \ F2F or Online)	Formative: Quiz (Online or F2F) Summative: Written Exam (MCQ or Essay / F2F or Online)
2.0	Skills			
IND 875.C LO.S.1	Create construction project schedules and cost plans using quantitative tools and cost estimation techniques.	S.5(التصميم ببرنامج Interior Design)	Primary: Interactive Lecture \ Demonstration Additional: Project or Research (Individual or Group)	Formative: Research Assessment (Rubric) Summative: Written Exam (MCQ or Essay / F2F or Online)
3.0	Values, Autonomy, and Responsibility			
IND 875.C LO.V.1	Demonstrate ethical conduct and apply safety provisions in the execution of construction	V.2(التصميم ببرنامج Interior Design)	Primary: Independent Study or Research Additional: Discussion (or similar active	Formative: Observation (Instructor/ Students/ Committee) (Rubric)





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	management projects.		learning strategies)	Summative: Student Portfolio



C. Course Content

No.	List of Topics	Contact Hours
1	Introduction.	2
2	Construction management as a discipline, context of construction management, characteristics of industry, domestic and global, market.	2
3	Construction project management.	2
4	Definition of a project, nature of construction projects, project life cycle, principles of project management, project management functions.	2
5	Contracts. Basic types of contracts, design-build, unit price, negotiated, CM at Risk and competitively bid contracts.	2
6	Project Scheduling. Bar Charts, Logic, CPM Sequencing and basic relationships. Network analysis and float calculations. Forward and Backward Pass Calculations.	2
7	Construction cost estimation and bidding.	2
8	Planning and design, project scope management.	2
9	Elements of cost estimation, estimating methods. Estimation : Types & purpose, Approximate estimate of buildings – Bill of quantity.	3
10	Deriving detailed quantity estimates for various items of work of a building. Like earthwork excavation, brick work, plain cement concrete, Reinforced cement concrete works, woodwork, iron works, plastering, painting, flooring, weathering course for a single storied building using centerline method and long and short wall method.	3
11	Function of Cost planner – liaison with consultant, operation cost Exercise in variation, Cost adjustment and Cost analysis. Role of various financial agencies for building & land development. Economic feasibility reports valuation, depreciation and its implications.	3
12	Investing in construction projects, project finance, procurement strategies, project delivery methods.	2
13	Specification writing.	3
Total		30





D. Students Assessment Activities

No.	Assessment Activities*	Assessment Timing (in Week No.)	Percentage of Total Assessment Score
1	Written Exam (Final Exam) (MCQ or Essay / F2F or Online)		45%
2	Written Exam (Midterm Exam) (MCQ or Essay / F2F or Online)		25%
3	Research Assessment (Rubric)		5%
4	Quiz (Online or F2F)		10%
5	Student Portfolio		10%
6	Observation (Instructor/ Students/ Committee) (Rubric)		5%
			100%

*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	<ul style="list-style-type: none"> - Essentials of Construction Project Management, by Martin Loosemore , 2003. - Construction Project Management: A Complete Introduction, By Alison Dykstra, 2011. - Project Management in Construction, By Dennis Lock, 2007. - Construction Project Management: Theory and Practice, By Kumar Neeraj Jha, 2011.
Supportive References	BMBOK6.
Electronic Materials	Wikipedia.
Other Learning Materials	None.

2. Required Facilities and Equipment

Items	Resources
Facilities (Classrooms, Laboratories, Exhibition Rooms, Simulation Rooms, etc.)	Classrooms.
Technology Equipment (Projector, Smart Board, Software)	Data Show.
Other Equipment (Depending on the nature of the specialty)	None.





F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Peer Reviewer	Direct (peer classroom observation according to the approved Rubric)
Effectiveness of students' assessment	Faculty/Instructor	Direct (analysis of CLOs assessment results and grade distributions)
Quality of learning resources	Students	Indirect (course evaluation survey)
The extent to which CLOs have been achieved	Faculty/Instructor	Direct (CLOs assessment and analysis of results according to CLOs targets)
	Students	Indirect (Students through course evaluation survey)
Commitment to learning and teaching strategies and assessment methods included in the program and course specifications	Peer Reviewer	Direct (Peer- classroom observation according to the approved Rubric in OC-QMS)
	Department Chair through Students Focus Groups	Indirect (Chair – survey questions to a focus group of students according to OC QMS)
Action Plan Continuity (Closing the Loop)	QAC (Quality Assurance Committee)	Direct (periodic review of course reports and submitting comments to course instructor/coordinator)
Instructor's Support to Students	Students	Indirect (course evaluation survey)

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

Assessment Methods (Direct, Indirect)

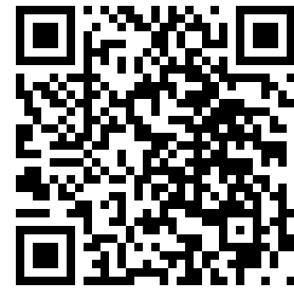




G. Specification Approval Data

COUNCIL /COMMITTEE	Department of Architecture Council
REFERENCE NO.	11
DATE	2023-05-09

Learning outcomes of this course, as well as CLOs/Teaching Strategies/Assessment Methods matrix have been evaluated and reviewed by multiple OC parties according to OC-QMS. You can access results of these final reviews by scanning the QR code on the right, which contains a link to the reviews on OC-E-QMS.



[Click Here](#)

