



College of
Engineering and Architecture

Department of
Architecture

Teaching Methodology
of the
Architecture and Planning Program
(Plans 47)



**Teaching Methodology
of the
Architecture and Planning Program
(Plans 47)**

2025



Contents

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General Architecture

1	Architectural Formation Principles Studio	Direct Learning (Lecture)	Self-Learning	Interactive L. (Dialogue & discussion)	
1	Architectural Drawing	Direct Learning (Lecture)	Self-Learning		
1	Design Process and Methods	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning	
1	Ancient Civilizations and Medieval Architecture	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
2	Fundamental Design Principles Studio	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Indirect L. (Problems solving)	Self-Learning
2	Visual Studies	Direct Learning (Lecture)	Self-Learning		
2	Vector-based Drawing	Direct Learning (Lecture)	Self-Learning		
2	Architectural Models Studio	Direct Learning (Lecture)	Self-Learning		
3	Small Public Buildings Design Studio	Self-Learning (Research work)	Self-Learning	Indirect L. (Problems solving)	
3	Building Construction Studio 1	Direct Learning (Lecture)	Blended Learning (Flipped classroom)	Self-Learning	
3	3D Modeling	Direct Learning (Lecture)	Self-Learning		
3	Buildings Design Standards 1	Direct Learning (Lecture)	Self-Learning (Research work)	Self-Learning	
3	Environmental Control Systems	Interactive L. (Dialogue & discussion)	Self-Learning		
4	Vernacular Architecture Design Studio	Self-Learning (Research work)	Self-Learning		
4	Building Construction Studio 2	Direct Learning (Lecture)	Blended Learning (Flipped classroom)	Self-Learning	
4	Principles of Urban Design	Direct Learning (Lecture)	Collaborative L. (Teamwork Research)		
4	Architecture of Islamic Civilization	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
4	Principles of Landscape Architecture	Direct Learning (Lecture)	Self-Learning	Self-Learning (Research work)	
5	Sustainable Design Studio	Collaborative L. (Teamwork Research)	Interactive L. (Dialogue & discussion)	Self-Learning	
5	Building Construction Studio 3	Blended Learning (Flipped classroom)	Self-Learning		
5	Introduction to Urban Design Studio	Self-Learning			
5	Renaissance and Pre-modern Architecture	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
5	Principles of Urban Planning	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)	
5	Housing	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning	
6	Long-Span Buildings Design Studio	Direct Learning (Lecture)	Indirect L. (Problems solving)	Self-Learning	Self-Learning (Research work)
6	Building Construction Studio 4	Blended Learning (Flipped classroom)	Self-Learning	Collaborative L. (Teamwork Research)	
6	Architectural Research Methods	Direct Learning (Lecture)	Collaborative L. (Teamwork Research)		
6	20th Century and Contemporary Architecture	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
6	Introduction to Urban Planning Studio	Self-Learning (Research work)	Self-Learning		
6	Advanced Technologies in Building Construction	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)		

Architecture Track

7	Heritage Buildings Conservation Studio	Direct Learning (Lecture)	Self-Learning	Self-Learning (Research work)
7	Working Drawings Studio 1	Self-Learning		
7	Creative Generative-Design	Direct Learning (Lecture)	Self-Learning	
7	Buildings Design Standards 2	Direct Learning (Lecture)	Collaborative L. (Teamwork Research)	
7	Principles of Statistics for Architects	Direct Learning (Lecture)	Indirect L. (Problems solving)	Self-Learning
8	Professional Practice Studio	Collaborative L. (Teamwork Research)	Self-Learning	
8	Working Drawings Studio 2	Collaborative L. (Teamwork Research)	Direct Learning (Lecture)	Self-Learning
8	Integrated Architectural Design Studio 1	Interactive L. (Dialogue & discussion)	Self-Learning	
8	Architectural Project Management 1	Direct Learning (Lecture)	Self-Learning	
8	Applications of Building Code in Architecture	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	
9	Cooperative Training	Experiential L. (Practical training)		
10	Integrated Architectural Design Studio 2	Interactive L. (Dialogue & discussion)	Indirect L. (Problems solving)	Self-Learning
10	Economics of Architectural Projects	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning
10	Professional Practice for Architects	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning
10	Architectural Project Management 2	Direct Learning (Lecture)	Self-Learning	
10	Universal Design Code	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	
10	Graduation Project	Self-Learning (Capstone project)		

Architecture Electives

7	Islamic Values in Architecture	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)	Self-Learning	Self-Learning (Research work)
7	Saudi Regional Architectural Identity	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)	Self-Learning	Self-Learning (Research work)
7	Architecture of the Two Holy Mosques	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)	Self-Learning	Self-Learning (Research work)
7	Islamic Identity in Contemporary Architecture	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)	Self-Learning	Self-Learning (Research work)
8	Photorealistic Rendering Techniques	Interactive L. (Dialogue & discussion)	Self-Learning		
8	Computer Modeling in Building Construction	Interactive L. (Dialogue & discussion)	Self-Learning		
8	AI Applications in Architecture	Interactive L. (Dialogue & discussion)	Self-Learning		
8	Environmental Simulation	Interactive L. (Dialogue & discussion)	Self-Learning		
10	Resilient Urban Design	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning	
10	Sustainable Landscape Architecture	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning	
10	Human and Urban Environment	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning	
10	Urban Wayfinding	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning	

Urban Design Track

New Areas Urban Design Studio	Self-Learning (Research work)	Self-Learning	Indirect L. (Problems solving)
Landscape Design Studio 1	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning Collaborative L. (Teamwork Research)
Urban Information Systems	Direct Learning (Lecture)	Self-Learning	
Urban design methodologies and techniques	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning
Existing Areas Urban Design Studio	Self-Learning (Research work)	Self-Learning	
Landscape Design Studio 2	Interactive L. (Dialogue & discussion)	Self-Learning	Self-Learning (Research work)
Integrated Urban Design Studio 1	Interactive L. (Dialogue & discussion)	Self-Learning	
Urban Environmental Control	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning
Sustainable Urban Design	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning
Cooperative Training	Experiential L. (Practical training)		
Integrated Urban Design Studio 2	Interactive L. (Dialogue & discussion)	Indirect L. (Problems solving)	Self-Learning
Conservation of Heritage Sites	Direct Learning (Lecture)	Self-Learning	
Professional Practice of Urban Design	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning
Urban Mobility	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning (Research work)
Streetscape	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning (Research work)
Graduation Project	Self-Learning (Capstone project)		

Urban Design Electives

Temporary Urbanism	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Humanizing the Cities	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Floating Cities	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
City Branding	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Advanced studies in Landscape Architecture	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Cities Centers	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Terminals Planning and Design	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Selected Topics in Urban Design	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Fundamentals of Real Estate Development	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)
Urban Project Management	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)
Crowd Management	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)
Multicriteria Assessment of Urban Development Projects	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)

Urban Planning Track

New City Urban Planning Studio	Self-Learning (Research work)	Interactive L. (Dialogue & discussion)	Indirect L. (Problems solving) Self-Learning
Housing Planning Studio 1	Self-Learning (Research work)	Self-Learning	
Urban Planning Information Systems	Direct Learning (Lecture)	Self-Learning	
Urban Planning Theories	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)
Existing City Development Studio	Collaborative L. (Teamwork Research)	Indirect L. (Problems solving)	Self-Learning
Housing Planning Studio 2	Collaborative L. (Teamwork Research)	Indirect L. (Problems solving)	Self-Learning
Integrated Urban Planning Studio 1	Interactive L. (Dialogue & discussion)	Self-Learning	
Advanced Urban Information Systems	Direct Learning (Lecture)	Self-Learning	
Sustainable Cities	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)
Cooperative Training	Experiential L. (Practical training)		
Integrated Urban Planning Studio 2	Interactive L. (Dialogue & discussion)	Indirect L. (Problems solving)	Self-Learning
Urban Sociology and Population	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)	
Professional Practice of Urban Planning	Interactive L. (Dialogue & discussion)	Direct Learning (Lecture)	Self-Learning
Planning of Urban Mobility	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)
Regional Planning	Direct Learning (Lecture)	Interactive L. (Dialogue & discussion)	Collaborative L. (Teamwork Research)
Graduation Project	Self-Learning (Capstone project)		

Urban Planning Electives

Cities and Climate Change	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Urban Conservation and Renewal	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Urban Development in Saudi Arabia	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Sustainable Urban Tourism	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Smart Cities	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Technology and Urban Change	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Future Urbanism	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Selected Topics in Urban and Regional Planning	Interactive L. (Dialogue & discussion)	Self-Learning (Research work)	Self-Learning
Urban Risk Management	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)
Urban Governance	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)
Urban Economies	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)
Urban Indicators	Interactive L. (Dialogue & discussion)	Self-Learning	Collaborative L. (Teamwork Research)