

## Course Specification

**Course Code: ARCH 211**

**Course Title:  
Feasibility studies for projects**

### (1) Basic information

<b>Program Title</b>	Architecture & Urban Planning			
<b>Department offering the program</b>	Architecture & Urban Planning Department			
<b>Department offering the course</b>	Architecture & Urban Planning Department			
<b>Course Code</b>	ARCH 211			
<b>Year/level</b>	Second term 2023/2024 / third year			
<b>Specialization</b>	major			
<b>Teaching Hours</b>	Total	Practical	Tutorial	Lectures
	3	0	0	3
<b>Date of approval of Bylaw</b>	2008			

### (2) Course Aims

No.	Aims
1.	<p>The course aims to:</p> <ol style="list-style-type: none"> <li>1. Teach Feasibility studies for urban projects (elements of the feasibility study - feasibility indicators .....).</li> <li>2. Study The economics of urban projects (the economics of design - the economics of contracting - the economics of implementation).</li> <li>3. Teach Value engineering - value engineering work plan (information stage - job analysis - innovation and brainstorming - evaluation and selection - research and development - briefing and presenting recommendations - application and follow-up) cost estimation in value engineering (primary costs - ownership costs - economic analysis) - identifying project resources (financing - manpower - technical capabilities)</li> <li>4. Define Urban project management (management types - time-cost relationship - organizational structure for implementation - methods of calculating time and costs - making reports to complete implementation work - computer applications in managing urban projects) - executive policies (announcing and approving projects - programming implementation stages and implementation management Implementation controls, monitoring and follow-up, and updating.</li> </ol> <p>(AIM 2&amp;5)</p>

<b>(3). Learning Outcomes of Course (LOs)</b>	
<b>B2.1</b>	Produce designs that meet building users' requirements through understanding the relationship between people and buildings, and between buildings and their environment; and the need to relate buildings and the spaces between them to human needs and scale.
<b>B4.1</b>	Transform design concepts into buildings and integrate plans into overall planning within the constraints of: project financing, project management, cost control and methods of project delivery; while having adequate knowledge of industries, organizations, regulations and procedures involved.
<b>B5.1</b>	Prepare design project briefs and documents, and understand the context of the architect in the construction industry, including the architect's role in the processes of bidding, procurement of architectural services and building production.

<b>(4). Course Contents</b>					
Week No.	Topics	Lecture	Tutorial	Practical	Total
1	Introduction: Feasibility studies for projects				
2	elements of the feasibility study				
3	elements of the feasibility study				
4	Marketing studies				
5	The technical study				
6	environmental study				
7	environmental study				
8	Midterm Exam				
9	Study The economics of urban projects				
10	Value engineering				
11	Value engineering				
12	Urban project management				
13	Urban project management				
14	Urban project management				
15	Practical exam				
16	Final Exam				
	Total				

<b>(5). Teaching and Learning methods</b>	
No.	Teaching Method
1.	Demonstration method
2.	Discussion
3.	Educational Presentation
4.	Storytelling
5.	Problem Solving

<b>(6). Teaching and Learning methods of Disabled Students</b>		
No.	Teaching Method	Reason
1.	Peer Learning	
2.	Enhancement Lectures	

**(7). Matrix of course Los with teaching and learning methods**

No.		Teaching and Learning method			
		lectures	Educational presentation	Interactive learning	Self-learning
1	B2.1	√			
	B4.1	√			
	B5.1	√			

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<b>(8). Students Assessment</b>		
<b>(8.1) Students Assessment Method</b>		
No.	Assessment Method	Los
1	Fast Project	B2.1, B4.1
2	Mini project	B2.1, B4.1
3	Mid-term Exam	B2.1, B4.1.
5	Individual Projects	B2.1, B4.1, B5.1.

<b>(8.2) Assessment Schedule</b>		
No.	Assessment Method	Weeks
1	Attendance	Weekly
2	Mini project//Homework	Bi-weekly
3	Fast Project	N/A
4	Mid-term Exam	8
5	Final Discussion	15
6	Final Exam	16

<b>(8.3) Weighting of Assessments</b>			
No.	Assessment Method	Weights %	Weights
1	Fast Project	5%	5
	Mini Project/Homework	10%	10
	Mid-term Exam	15%	15
	Individual Projects	20 %	20
			50
2	Practical	-	-
3	Final Exam	50%	50
Total		100%	100

<b>(9). List of References</b>	
[1].	قانون ١١٩ لسنة ٢٠٠٨ ولائحة التنفيذية
[2].	قانون إتحاد الشاغلين ، قانون التصالح على مخالفات البناء

<b>(10). Facilities required for teaching and learning</b>	
1.	Studio Hall
2.	Data show
3.	Google Classroom
4.	White Board
5.	Library
6.	Internet

<b>(11). Matrix of Aims and LOs of the Course</b>			
N	Topics	Aims	LOs
1.	Introduction: <b>Feasibility studies for projects</b>	-	-
2.	elements of the feasibility study	1,2	B2.1, B4.1,
3.	elements of the feasibility study		
4.	Marketing studies		
5.	The technical study		
6.	environmental study		
7.	Financial study		
8.	Midterm Exam	1:2	B2.1, B4.1, B4.1,
9.	Study The economics of urban projects	2,3,4	B2.1, B4.1, B5.1.
10.	Value engineering		
11.	Value engineering		
12.	Urban project management		
13.	Urban project management		
14.	Urban project management		
15.	Final project	1:5	B2.1, B4.1, B5.1.
16.	Final Exam		

<b>(12). Matrix of Competencies/ Program LOs with Course LOs</b>			
No.	Competences/ Program LOs	No.	Course LOs
B2	Produce designs that meet building users' requirements through understanding the relationship between people and buildings, and between buildings and their environment; and the need to relate buildings and the spaces between them to human needs and scale.	B2.1	Produce designs that meet building users' requirements through understanding the relationship between people and buildings, and between buildings and their environment; and the need to relate buildings and the spaces between them to human needs and scale.

B4	Transform design concepts into buildings and integrate plans into overall planning within the constraints of: project financing, project management, cost control and methods of project delivery; while having adequate knowledge of industries, organizations, regulations and procedures involved.	B4.1	Transform design concepts into buildings and integrate plans into overall planning within the constraints of: project financing, project management, cost control and methods of project delivery; while having adequate knowledge of industries, organizations, regulations and procedures involved.
B5	Prepare design project briefs and documents, and understand the context of the architect in the construction industry, including the architect's role in the processes of bidding, procurement of architectural services and building production.	B5.1	Prepare design project briefs and documents, and understand the context of the architect in the construction industry, including the architect's role in the processes of bidding, procurement of architectural services and building production.

Title	Name	Signature
Course Coordinator	Assistant prof . Nader Ibrahem Ismael	
Head of Department	Assoc. Prof. Faysal Abou ElAzm	
Date of Approval	2023/ 2024	