

# 西安交通大学《建筑设计-2》课程教学大纲

## 一、课程基本信息

### I. Basic Information

课程名称	建筑设计-2		
Course Title	Architectural Design-2		
课程编号			
Course Number			
课程学分	6	总学时	112
Credits		Credit Hours	
学时分配	理论:____ 实验:____ 上机:____ 课外:____ (课外学时不计入总学时)		
Assignment of Credit Hours	Lecture:16,8; Exercise: 16,8; Studio/Workshop: 78,4; Practice in the IT room:____ Extracurricular:____ (Extracurricular hours do not count towards the total number of hours.)		
课程类型	<input type="checkbox"/> 公共课程 Public Course <input type="checkbox"/> 通识课程 General Education Course <input type="checkbox"/> 学科门类基础课 <input type="checkbox"/> 专业大类基础课 <input checked="" type="checkbox"/> 专业核心课 Specialized Core Course <input type="checkbox"/> 专业选修课 Specialized Elective Course <input type="checkbox"/> 集中实践 Intensive Practice		
开课学期	<input type="checkbox"/> 1-1 <input type="checkbox"/> 1-2 <input type="checkbox"/> 2-1 <input checked="" type="checkbox"/> 2-2 <input type="checkbox"/> 3-1 <input type="checkbox"/> 3-2 <input type="checkbox"/> 4-1 <input type="checkbox"/> 4-2 <input type="checkbox"/> 5-1 <input type="checkbox"/> 5-2		
先修课程			

Prerequisites	
教材、参考书及其他资料	[序号] 作者 1, 作者 2.教材名称.出版地: 出版者, 出版年. 例: [1] 刘国钧, 陈绍业.电路分析.北京: 高等教育出版社, 1994.
Materials (Textbook, Bibliography or Referencing and Supplementary Materials)	Fabrizia Berlingieri. The fields of analogy. Rethinking heteronomous processes in architectural research. <i>Techne, Journal of Architectural Technology</i> , 21, 213-221. Firenze: Firenze University Press, 2021. <a href="https://doi.org/10.13128/techne-9845">https://doi.org/10.13128/techne-9845</a> Kenneth Frampton. <i>Studies in Tectonic Culture: The Poetics of Construction in Nineteenth and Twentieth Century Architecture</i> . Cambridge: The MIT Press, 2001. OMA, Rem Koolhaas. <i>S,M,L,XL</i> . New York: Monacelli Press, 2002 Aldo Rossi. <i>The Architecture of the City</i> . Cambridge: MIT Press, 1984 Robert Venturi. <i>Complexity and Contradiction in Architecture</i> . New York: MoMA, 1977 Peter Zumthor. <i>Thinking Architecture</i> . Basel: Birkhäuser, 1999.  Supplementary bibliographic references will be provided during the course.

## 二、课程目标及学生应达到的能力

### II. Course Objectives and Expected Learning Outcomes

(工科专业对标工程教育认证标准中专业毕业要求的 12 条具体指标点, 其他专业对标行业/评估标准中专业毕业要求的具体指标点)

1. Course Objectives. The Architectural design studio 2 reinforces and deepens the basic knowledge gained from attending the previous architectural studio. It consolidates the theoretical and technical background, with particular attention to the relationships that design must build among places, forms, typologies, construction techniques and structures. The project is applied to an architectural organism with medium complexity, typologically related to residentialism and inserted

into an urban context with specific characters. The aim is the acquisition of the ability to control the project, in relation with architectural objects and urban context, form and construction, and typological characters.

The design process grounds on a transcalar approach, binding together the urban value of inserting the project to its constructive aspects. These different scales are considered as specific objectives of the course:

1. The student learns to read the spatial characters of architectural and urban context, and consequently taking a clear position concerning the settling principles of the design proposal.
2. The student acquires the ability to deepen the themes of the composition and typology of architecture in its relationship with the space and the urban characters.
3. The student acquires the ability to tackle the project as a complex set of formal contents (type-morphological), reasons for use (program, intended use), and construction components (techniques, materials).
4. The student acquires the understanding and the basic awareness of the constructive techniques and components related to the design proposal, according the typo-morphological choices with the structural and constructive ones.

## 课程目标与专业毕业要求的关联关系

Correlation between course objectives and graduation requirements  
for the program

毕业要求：

Graduation Requirements

Students of this major should meet the following graduation requirements in terms of knowledge, ability and calibre.

A. Possess broad theoretical knowledge of humanities and social sciences and natural sciences, strong scientific literacy, humanistic and artistic dispositions, and sound physical and mental well-being.

B. Have solid theoretical knowledge related to architecture, master the basic principles of architectural design, history and theory of architecture, architecture and behaviour, the safety of architecture, building structure, building materials and construction, control of the physical environment of buildings, urban and rural planning and landscape design, economy and regulations, systems and professional codes, responsibilities of architects and other related knowledge.

C. Have the methods and skills of architectural design and related planning design, master the process and methods of architectural design and have a strong ability to express and practice architectural design, as well as good creative thinking and artistic creation ability and the ability to analyze problems and solve them comprehensively.

D. Have an international open vision and the ability to communicate, compete and cooperate across cultures.

毕业要求 课程目标	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>1</b>	<b>M</b>	<b>M</b>	<b>M</b>	<b>M</b>
<b>2</b>	<b>M</b>	<b>H</b>	<b>H</b>	<b>H</b>
<b>3</b>	<b>M</b>	<b>H</b>	<b>H</b>	<b>H</b>
<b>4</b>	<b>M</b>	<b>H</b>	<b>H</b>	<b>M</b>

注：毕业要求中 A、B、C、D、E、F、G、…对应毕业要求中各项具体内容。课程目标与专业毕业要求的关联关系用 H/M/L 标注。

Note: A, B, C and D indicate the specific aspects of the graduation requirements. H, M and L refer to a strong, medium and weak correlation between the course objectives to the graduation requirements respectively.

### 三、教学内容简介

#### III. Description of teaching contents

章节顺序	章节名称 Chapter Title	知识点 Teaching Points	参考学时 Credit Hours
1	The characters of the urban context	(1) <i>Critical readings</i> consisting of morphological, typological, historical, environmental, socio-cultural readings through mapping and on-site visit; (2) <i>Interpretative schemes and diagrams</i> oriented toward site understanding (sampling the urban fabrics) and design alternatives also	33%

		with hand drawings and sketches. (1 <sup>st</sup> assignment and review)	
2	The design strategies	(1) <i>The urban vision</i> , identifying the setting principles on urban scale of the design proposal; (2) <i>The concept design</i> , definition of the functional program; principles for sustainable design, strategic diagrams; focus on thematic urban relationships, urban sections, masterplan; ground floor plan. (2 <sup>nd</sup> assignment and mid-term review)	33%
3	The architectural and spatial qualities	(1) <i>The architectural design proposal</i> with the development of the spatial qualities, built-up and open spaces articulation, interior/exterior relationships, typological; defining the technological and constructive choices, the coherence between spaces and structure and the materiality. Plans, sections, facades, collages views, physical model. (3 <sup>rd</sup> assignment and final review)	33%

#### 四、教学安排详表

#### IV. Teaching Arrangements

序号 Teaching contents	学 时 分配 Credit Hours	教学方 式 Teaching Methods	教学要求 (知识要求及能力要求) Learning Objectives (knowledge objective & ability objective )	对课程目标 的支撑关系 Related to which Course Objective
1 The characters of the context	30%	Lectures, exercises studio work + review	KO: to read and interpret the characters of the context. AO: To prove acquired awareness by representing and communicating original contents related to the characters of the context.	1, 3

2	The design strategies	30%	Lecture, exercise, studio work + midterm review	KO: to define the principles of the design (goals and approach) emphasizing expected urban impacts. AO: To express the chosen strategy and concept in an original way, adopting appropriate communication tools.	2, 3
3	The architectural solutions	30%	Lecture, exercise + studio work + final review	KO: to develop the architectural project at appropriate scales according to the core design briefs. AO: To correctly represent the architectural project in its spatial, material, and sustainable solutions.	2, 3

注：对课程目标的支撑关系可填写大纲中第二部分课程目标的相应序号。

The column *Related to which Course Objective* can be filled in with the number of the corresponding course objective in Part II.

## 五、实践环节

### V. Studio/Lab

实验编号 No.	实验名称 Subject Name	实验内容 Contents	教学方法 Teaching Methods	对课程目标的支撑关系 Related to which Course Objective
1	The characters of the context	Acquire fundamental information from the context and frame into operational contents	Lectures, guided exercise, and practice activities with tutors and teachers	1, 3
2	The design strategies	Define the design concept and its expected impacts on the urban reality	Lectures, guided exercise, and practice activities with tutors and teachers	2, 3
3	The architectural solutions	Develop the architectural project at appropriate scales	Lectures, guided exercise, and practice activities with tutors and teachers	2, 3

注：对课程目标的支撑关系可填写大纲中第二部分课程目标的相应序号

The column *Related to which Course Objective* can be filled in with the number of the corresponding course objective in Part II.

## 六、课外学时分配

### VI. Extracurricular Practice

章节顺序	内容 Contents	参考学时 Credit Hours	对课程目标的支撑关系 Related to which Course Objective
1			



2			
...			

注：对课程目标的支撑关系可填写大纲中第二部分课程目标的相应序号。

## 七、考核方式及成绩构成

### VII. Evaluation and Composition of Grades

平时：\_\_\_\_\_%，(包含：xxxx)

实验(上机)：\_\_\_\_\_%; (包含：xxx)

期末：\_\_\_\_\_%

Students will work in groups. The contributions that individuals make to the team will be considered in the final mark. The final mark will be comprised of:

- Proactive participation in the studio and various activities;
- Interim assessments for all stages;
- Final outcome documenting all phases and aspects of the work;
- Originality and awareness of proposed contents.

大纲制定者：Fabrizia Berlingieri

大纲审核者：\_\_\_\_\_

最后修订时间：\_\_\_\_\_年\_\_\_月\_\_\_日