

西安交通大学《建筑类型学》课程教学大纲

一、课程基本信息

I. Basic Information

课程名称	建筑类型学		
Course Title	Elements of Architectural Typology		
课程编号	ARCH400231		
Course Number			
课程学分	3	总学时	48
Credits		Credit Hours	
学时分配	理论: <u>33,6</u> 实验: <u>/</u> 上机: <u>14,4</u> 课外: <u>/</u> (课外学时不计入总学时)		
Assignment of Credit Hours	Lecture: <u>33,6</u> Studio: <u>/</u> Practice in the IT room: <u>14,4</u> Extracurricular: <u>/</u> (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	Attended the course of <i>Italian Architecture History and Culture</i>
教材、参考书 及其他资料 Materials (Textbook, Bibliography or Referencing and Supplementary Materials)	<p>[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. [1] Author 1, Author 2. Title of the textbook. Publication place: publisher, year of publication.</p> <p>_ Samuels Ivor, Panerai Philippe, Castex Jean, Depaule Jean Charles, <i>Urban Forms. The death and life of the urban block</i>, Publisher: Routledge, 2004 (ebook Kindle, 2012).</p> <p>_ Rossi Aldo, <i>The Architecture of the City</i>. Introduction by Peter Eisenman. Publisher: Opposition Books (Paperback), 1984.</p> <p>_ Martí Arís Carlos, <i>The Variations of Identity: The type in architecture</i>. Introductions by Rafael Moneo and Giorgio Grassi. Publisher: Cosa Mentale (Paperback), 2021.</p> <p>Specific bibliography relating to the case studies examined will be provided during the individual lessons.</p>

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)

The course offers a cycle of lessons through which to build a close relationship between the theoretical and compositional aspects and their concrete application in the design phase.

1. students' ability to learn and understand the principles governing the complex relationship between architecture, type and city;

2. the way to use the principles for practical purposes in design;

3. to refine the student's critical ability;

4. to provide a series of tools and techniques on which to autonomously and consciously base the links between theoretical intentions, the analysis of a work on an urban scale and architectural, and the design moment, according to an analogical and comparative process.

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	A	B	C	D
1	M	M-H	M-H	M
2	M	M-H	M-H	M
3	M	M-H	M-H	M
4	M	M-H	M-H	M
5	M	M-H	M-H	M

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	Building typology and urban form	Definition and comprehension of the meaning of building type and urban morphology.	70% lecture, 30% exercise

2	The transformation of the urban block. Part one	The Haussmann's Paris; the urban model of the Garden City; the block of the South Amsterdam Plan.	70% lecture, 30% exercise
3	The transformation of the urban block. Part two	The Frankfurt Siedlungen program; the Unitè d'Habitation by Le Corbusier.	70% lecture, 30% exercise
4	The house by the sea and the house in the mountains: typology and invention.	The climate influence in architectural characters.	70% lecture, 30% exercise
5	Typology and architectural language. The architecture of the city in the XXth century.	Case study of the XXth century Milan: how different architects approached the theme of the building image on the city.	70% lecture, 30% exercise
6	The study of urban phenomena in Italy.	An historical review on the different theoretical approaches in urban studies. The theories by Saverio Muratori, Gianfranco Caniggia, Carlo Aymonino, Aldo Rossi.	70% lecture, 30% exercise
7	Distribution as a generator of the project.	A lesson of architectural design. How plan and section can shape and represent architectural solutions.	70% lecture, 30% exercise
8	Structure and envelope: the architectural image.	The relationship between skeleton and skin change the external image of a building. These three elements are interchangeable.	70% lecture, 30% exercise
9	The relationship with the context.	Different possible approaches in the relationship with the surrounding physical and typological landscape.	70% lecture, 30% exercise
10	Idea and metaphor in the architectural project.	Final lesson with examples of architectural projects and interpretations of typological items.	70% lecture, 30% exercise

四、教学安排详表

IV. Teaching Arrangements

序号	教学内容 Teaching	学时 分配	教学方 式	教学要求 (知识要求及能力要求)	对课程目 标的支撑
----	------------------	----------	----------	---------------------	--------------

	contents	Credit Hours	Teaching Methods	Learning Objectives (knowledge objective & ability objective)	关系 Related to which Course Objective
1	Fundamentals of culture through the comparative analysis of case studies	33,6	Interaction real-time lecture and exercise	如：掌握 xxx 了解 xxx e.g. Grasp 70% Understand 30%	all
2	Verification of understanding of the topics of the lessons and reasoned redesign of case studies	14,4	Interaction real-time lecture and exercise	如：掌握 xxx 了解 xxx e.g. Grasp 70% Understand 30%	all

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				
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

The assessment of the students is organized according to the schedule provided by the School's Academic Calendar.

The final grade is the sum of 3 marks:

- attendance (max 10%)
- Final Exercise evaluation (max 40%),
- Written multiple-choice questionnaire on topics of the ten lessons (max 50%).

The exam is considered to be passed if a grade larger than or equal to 60% is obtained.

平时: _____%, (包含: xxxx)

实验 (上机): _____%; (包含: xxx)

期末: _____%

e.g. 10% for usual performance (including mode of attending),

30% for mid-term examinations (including Final Exercise)

and 60% for final examinations.

<本部分构成及考试方式可根据具体课程定制> Depending on the

course

大纲制定者: Luigi Spinelli

大纲审核者: × × ×

最后修订时间: _____年____月____日