

# 城乡规划

## Urban and Rural Planning

专业代码：082802

学制：5年

Program Code: 082802

Duration: 5 years

### 培养目标：

适应全球化趋势，紧扣国家发展战略和新型城镇化大局，依托人居环境学科群平台，培养具有正确价值观和社会责任感、自主创新精神、全面知识结构、深厚专业素养、卓越专业能力，富有团队协作精神与职业道德，兼备开阔国际视野与坚定文化自信的复合型城乡规划领军人才。

### Educational Objectives:

We intend to foster inter-disciplinary talents in urban and rural planning, who are qualified with proper values, a sense of social responsibility, a spirit of independent innovation, a comprehensive knowledge structure, solid professional qualities, excellent professional capabilities, a strong team spirit and professional ethics, international perspectives and firm cultural self-confidence. The above agenda should be in line with the trend of relying globalization, national development strategy and the big picture of new urbanization; and be based on the discipline group of human environment .

### 毕业要求：

№1.工程知识：能够将自然科学、社会科学和下列专业知识用于解决城乡规划的复杂问题。包括：城市与区域发展知识；城乡规划理论与方法；城乡空间规划知识；城乡专项规划知识；城乡规划实施知识。

№2.问题分析：能够剖析城乡发展现状，预测未来需求和影响，发现问题和特征并进行分析。

№3.设计/开发解决方案：能够创造性地运用城乡规划学及相关学科的基本原理和专业技能解决城乡规划设计、开发建设和管理实践中遇到的问题。

№4.研究：能够将城乡各系统综合理解为一个整体，破除地域、阶层和文化的制约，形成区域整体的发展愿景。能够基于城乡规划学科相关理论，采用科学方法对复杂的城市问题进行研究，包括开展专题调研、信息数据采集、分析、综合得到合理有效的结论。

№5.使用现代工具：能够在城乡规划设计与研究，合理选择使用恰当的技术工具。开展包括对社会未来发展趋势的预测与模拟，支撑对城乡未来健康发展的前瞻性思考。

№6.工程与社会：在掌握工程知识基础上理解城乡规划的公共政策属性，充分考虑到城乡规划对不同群体，尤其是社会弱势群体利益的影响，并寻求成本与收益的公平分配。

№7.环境和可持续发展：能够理解和评价城乡规划对环境、社会可持续发展的影响，具有处理城乡发展与自然环境、社会环境、文化遗产的复杂关系的基本能力。

№8.职业规范：具有社会责任感和正确的价值观，正确处理与客户和公众的关系，能够在城乡规

划设计、开发建设和管理实践中理解并遵守职业道德和规范，履行责任。

№9.个人和团队：具备良好的沟通、协调、合作能力，能够组织和领导多学科背景的团队，并承担个体、团队成员以及负责人的角色。

№10.沟通：能够考虑不同利益群体的不同需求，进行有效沟通和交流，广泛听取意见，并在此基础上形成共识。具有清晰思考和以口头、书面及图形准确表达的能力。

№11.项目管理：理解并掌握工程管理原理与公共政策决策方法，并能在多学科环境中应用。

№12.终身学习：具有自主学习和终身学习的意识，有不断学习和适应发展的能力。

## **Student Outcomes:**

**№1.Engineering Knowledge:** Be able to solve complicated urban and rural planning problems with natural sciences, social sciences and the following professional knowledge. Those knowledge include urban and regional development; urban and rural planning theories and methods; urban and rural spatial planning; urban and rural special planning; and urban and rural planning implementation.

**№2.Problem Analysis:** Be able to gain insight into current status of urban and rural development, to forecast future demand and impact, to identify and analyze problems and their characteristic.

**№3.Solution Par Design/Operation:** Be able to solve problems arising from urban and rural planning and design, development, construction and management practices in an innovative manner by adopting basic principles and professional skills of the urban and rural planning science and relevant disciplines.

**№4.Research:**Be able to understand urban and rural systems as a whole and form a general vision for regional development regardless of regional, class and cultural constraints. Be able to analyze complicated urban problems based on relevant urban and rural planning theories with scientific methods, including special research, data collection, analysis and summary to form reasonable and effective conclusions.

**№5.Application Modern Tools:** Be able to adopt appropriate technologies and tools in urban and rural planning design and research. To encourage anticipating and modeling the future development trends of the society, in support of forward-looking thoughts on the healthy urban and rural development in the future.

**№6.Engineering and Society:** Be able to understand the public policy characteristics of urban and rural planning on the basis of engineering knowledge, taking full account of the impact of urban and rural planning on the interests of different groups, especially the vulnerable groups, and seeking the equitable distribution of costs and benefits.

**№7.Environment and Sustainable Development:** be able to understand and evaluate the impact of urban and rural planning on the sustainable development in terms of environment and society; and to address the complicated relationships between urban and rural planning, natural environment, social environment and cultural heritage.

**№8.Professional Standards:** to build up a sense of social responsibility and correct values; be able to properly handle the relationship with clients and the public,; and be able to follow professional ethics and norms and fulfill the responsibilities in the process of urban and rural planning design, development,

construction and management practices.

**№9.Individual and Teams:** be equipped with communication, coordination and cooperation skills, be able to lead a team with multi-disciplinary background, and to play the roles as individual contributor, team member and person-in-charge.

**№10.Communication:**Be able to effectively communicate by taking needs of different stakeholders and a wide range of opinions into account. Listen to, and form a consensus on this basis. Be able to think clearly and to express accurately in oral, writing and drawing.

**№11.Project Management:** Able to comprehend and master the principles of project management and methods of public policy decision-making, and to apply them in multi-disciplinary context.

**№12.Lifelong Learning:** Be conscious to self-study and life-long study, and be adaptable to changing environments.

### **专业简介:**

本专业是我国最早举办的规划专业之一，1932年广东省立勳勤大学即设有都市计划课程，1958年首次招收城市规划专业本科生。经过几十年发展，已成为国际知名、国内一流专业，并向国际一流专业迈进。本专业拥有水平高、学缘广、梯队合理、团结协作的师资队伍，具备从本科、硕士、博士到博士后的完整人才培养体系；依托国家级精品课程等优质教学资源，建立了兼顾大学科基础与专业深化发展的教学体系。在校内公共设施基础上，为学生配备独立专用的学习空间、资源丰富的专业图书馆与图档资料室、设备先进的创新实验空间及充分共享的设计展示空间。在校内学习之外，为学生提供贯穿全培养过程的美术写生、城乡认识、专题调研、国际考察等多样化国内外实践学习条件，提供参与高水平科技研究、规划设计实践、国际竞赛等竞争性机会。

本专业拥有国家级实验教学中心、国家重点实验室、高水平设计院等教学科研实践平台，构建了“学研产”一体化人才培养模式；与知名规划设计机构共建了校外实践基地及协同育人平台；通过国际双学位联合培养、国际联合教学工作坊、国际交换生计划等与国际知名大学建立了双向对等的国际合作教育平台，为学生发展提供广阔空间。

### **Program Profile:**

The Program is one of the earliest planning programs in China. It dates back to the Urban Planning Course established by the Guangdong Provincial Xiangqin University in 1932 and enrolled undergraduates in Urban Planning for the first time in 1958. Over decades of development, it becomes an internationally renowned and domestic leading program, with a view to becoming a world-class program.

The Program benefits from a collaborative and well structured team of teachers of high caliber graduated from a diversity of universities and led by CAS Members, National Famous Teachers and Yangtze River Scholars, forming a comprehensive development system for undergraduate, master, doctoral and post-doctoral talents. Relying on quality teaching resources such as state-level excellent courses, we have built a teaching system that caters to both the larger discipline foundation and in-depth development of

specialties. In addition to shared facilities on the campus, independent and dedicated learning space, resource-rich professional library and drawing and file room, innovative experimental space with advanced equipment and fully shared design display space are available. Apart from studying in the school, students are offered a range of practice and learning opportunities at home and abroad, including field art sketch, urban and rural cognition practice, investigation of particular issues and international visit, throughout their development, as well as participation in high-level scientific and technological research, planning design practice, and international competitions.

We have built an integrated model of talent development that combines “education, research and production” on the platform for teaching, learning, scientific research and practice, including state-level experimental teaching centers, the State Key Laboratories and high-standard design institutes. We work with renowned planning design firms to build off-campus practice bases and collaborative education platforms. We provide students with tremendous space for self-development through platforms established with internationally renowned universities for two-way international cooperation and education, including international joint programs for dual degrees, joint workshops in cooperation with foreign universities, and international exchange programs.

### **专业特色：**

弘扬华南建筑教育传统，坚持以科学理性、社会责任为核心理念，突出专业基础和综合提升的两段式教学特点，注重培养研究精神与创新思维、动手能力、协同能力和应对城乡发展复杂问题的能力，具备全球视野和国际竞争力。

### **Program Features:**

Promote the tradition of architectural education in South China, adhere to the educational philosophy focusing on scientific rationality and social responsibility; highlight the two-stage teaching approach including professional foundation and integrated enhancement; emphasize to cultivate the ability of research spirit and innovative thinking, practical ability, to collaborative ability, to be prompt to complicated problems in urban and rural development, as well as to gain global perspectives and international competitiveness.

**授予学位：**工学学士学位

**Degree Conferred:** Bachelor of Engineering

### **主干课程：**

城乡规划原理（一、二）、城乡规划设计（一、二、三）、城市经济学、城市社会学、城市地理学与区域规划、环境生态学、城市道路与交通（一、二）、城市地理信息系统、城市工程系统规划、城市发展史、城乡规划管理与法规。

## **Core Courses:**

Principles of Urban and Rural Planning ( I , II ), Urban and Rural Planning ( I , II , III ), Urban Economics, Urban Sociology, Urban Geography and Regional Planning, Environmental Ecology, Urban Road Design and Transportation Planning ( I , II ), Urban Geographic Information System, Urban Engineering System Planning, History of Urban Development, Urban Planning Management and Legislation

## **特色课程:**

双语教学课程: 城乡规划原理(一、二)、工作坊与专题设计、城市地理学与区域规划、城市社会学、城市地理信息系统、外国建筑史、当代建筑思潮、城市设计理论和方法

研究型课程: 城市地理学与区域规划、城市环境物理、城市发展史

MOOC: 城乡规划原理(一、二)、建筑美学、建筑设计基础(一、二)、建筑设计(一、二)、建筑设计结构选型

工作坊: 工作坊与专题设计

创新实践课程: 城乡社会综合调研、总体规划调研

创业教育课程: 建筑师业务、房地产开发与管理

## **Featured Courses:**

**Bilingual Courses:** Principles of Urban and Rural Planning ( I , II ), Design Workshop, Urban Geography and Regional Planning, Urban Sociology, Urban Geographic Information System, History of Foreign Architecture, Contemporary Architectural Thoughts, Theories and Principles of Urban Design

**Research Courses:** Urban Geography and Regional Planning, City Environment Physics, History of Urban Development

**MOOCs:** Principles of Urban and Rural Planning ( I , II ), Architecture Aesthetics, Fundamentals of Architecture Design ( I , II ), Architecture Studio ( I , II ), Construction Principles in Architecture Design

**Workshops:** Design Workshop

**Innovation Practice:** Urban and rural social survey, Investigation of Urban and Rural Master Planning

**Entrepreneurship Courses:** Architect Business, Real Estate Development and Management

## 一、教学计划总体安排表 (General Teaching Schedule)

学 年 期	教学进度安排 (周)																				理 论 教 学	考 试	入 学 教 育	军 训	课 程 设 计	大 作 业	工 程 训 练	电 子 实 习	综 合 实 验	社 会 实 践	生 产 实 习	毕 业 实 习	其 它 实 习	中 外 合 作 项 目	毕 业 设 计	就 业 安 排	机 动	假 期	小 计														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R												
一	1		C	A	A	A	A	A	A	A	A	A	A	A	A	A	B	D	D	D	M																					20											
	2	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	M	M	B	B																							20										
二	3	A	A	A	A	A	A	A	A	A	A	A	A	A	A	E	Q	B	B																								20										
	4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	M	M	B	B	M	M	E																						23									
三	5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B																								20										
	6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	M	M																									20									
四	7	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Q	Q	B	B																									20									
	8	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	M	M																									20									
五	9	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	M	M																									20									
	10	O	O	O	O	O	O	O	O	O	O	O	O	O	O	P																													16								
合 计 (周)													126	14	1	3	2																																				199

## 二、各类课程学分登记表 (Registration Form of Curriculum Credits)

### 1. 学分统计表 (Credits Registration Form)

课程类别 Course Category	课程要求 Requirement	学分 Credits	学时 Academic Hours	备注 Remarks
公共基础课 General Basic Courses	必修 Compulsory	40.0	572	
	通识 General Education	10.0	160	
学科基础课 Disciplinary Basic Courses	必修 Compulsory	67.0	1376	
	选修 Elective	0.0	0	
专业领域课 Specialty-related Courses	必修 Compulsory	33.0	672	
	选修 Elective	12.0	192	
合 计 Total		162.0	2972	
集中实践教学环节 (周) Practice Training (Weeks)	必修 Compulsory	54.0	54 周	
毕业学分要求 Credits Required for Graduation		162.0 + 54.0 = 216.0		

备注：学生在取得专业教学计划规定学分的同时，还必须取得第二课堂 2 个人文素质教育学分和 4 个创新能力培养学分。

## 2.类别统计表 (Category Registration Form)

学时 Academic Hours					学分 Credits						
总学时数 Total	其中 Include		其中 Include		总分数 Total	其中 Include		其中 Include			其中 Include
	必修学时 Compulsory	选修学时 Elective	理论教学学时 Theory Course	实验教学学时 Lab		必修学分 Compulsory	选修学分 Elective	集中实践教学环节 学分 Practice-concentrated Training	理论教学学分 Theory Course Credits	实验教学学分 Lab	创新创业教育学分 Innovation and Entrepreneurship Education
2972	2620	352	2830	142	216	194	22	54	157.5	4.5	10

### 三、专业教学计划表 (Teaching Schedule)

类别 Course Category	课程 代码 Course No.	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours				学分 数 Credits	开课 学期 Semester	毕业 要求 Student Outcomes		
				总学 时 Class Hours	上机 Computer-ai ded Class Hours	实验 Lab Hours	实践 Practice Hours					
公共基础课 General Basic Courses	143093	思想道德修养与法律基础 Cultivation of Thought and Morals & Fundamental of Law	必修 课 C	(40) (36)				2.5	1	№8		
	143091	中国近现代史纲要 Skeleton of Chinese Modern History		(32) 24				2.0	2	№8		
	143106	毛泽东思想和中国特色社会主义理论体系概论 Thought of Mao ZeDong and Theory of Socialism with Chinese Characteristics		(80) 48				5.0	3	№8		
	143090	马克思主义基本原理 Fundamentals of Marxism Principle		(40) 36				2.5	4	№8		
	143094	形势与政策 Analysis of the Situation & Policy		(128)				2.0	1-8	№8		
	144001	大学英语 (一) College English(1)		64				4.0	1	№10		
	144002	大学英语 (二) College English(2)		64				4.0	2	№10		
	145223	大学计算机基础 Foundations of Computer		32				2.0	1	№5		
	152001	体育 (一) Physical Education (1)		32			32	1.0	1	№12		
	152002	体育 (二) Physical Education (2)		32			32	1.0	2	№12		
	152003	体育 (三) Physical Education (3)		32			32	1.0	3	№12		
	152004	体育 (四) Physical Education (4)		32			32	1.0	4	№12		
	106001	军事理论 Military Principle		(16)				1.0	2	№9		
	140194	微积分基础 Calculus Basis		64				4.0	1	№1,2,3,4		
	130244	画法几何及阴影透视 Dscriptive Geometry & Shadow Perspective		64				4.0	2	№1,3		
	145269	VB 语言程序设计 Programming in Visual Basic		48				3.0	2	№1,4		
		人文科学领域 Humanities		96	通识 课 E				6.0		№8	
		社会科学领域 Social Science		64					4.0		№8	
	<b>合 计 Total</b>				732			128	50.0			



### 三、专业教学计划表（续）（Teaching Schedule）

类别 Course Category	课程 代码 Course No.	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours				学分 数 Credits	开课 学期 Semester	毕业 要求 Student Outcomes
				总学时 Class Hours	上机 Computer-ai ded Class Hours	实验 Lab Hours	实践 Practice			
学科基础课 Disciplinary Basic Courses	132310	规划概论 Introduction to Planning	必 C	32				2.0	1	№1,4,8,
	132037	建筑设计基础(一) Fundamentals of Architecture Design I	必 C	128				5.0	1	№1,10,1 2
	132038	建筑设计基础(二) Fundamentals of Architecture Design II	必 C	128				5.0	2	№1,10,1 2
	132044	建筑史纲 Outlines of Architectural History	必 C	32				2.0	2	№1,2,4
	132058	外国建筑史 History of Foreign Architecture	必 C	48				3.0	3	№1,2,4 ,10,12
	132060	中国建筑史 History of Chinese Architecture	必 C	48				3.0	4	№1,2,4,7 ,12
	132297	美术（一） Fine ArtI	必 C	48				2.0	1	№1,10
	132298	美术（二） Fine ArtII	必 C	48				2.0	2	№1,10
	132299	美术（三） Fine ArtIII	必 C	48				2.0	3	№1,10
	132300	美术（四） Fine Art IV	必 C	48				2.0	4	№1,10
	132292	建筑构造基础 Fundamentals of Architecture Construction	必 C	48				3.0	3	№1,2,3
	132032	建筑设计（一） Architecture Studio I	必 C	128				5.0	3	№1,2,3,5 ,6,7,9
	132033	建筑设计（二） Architecture Studio II	必 C	128				5.0	4	№1,2,3,5 ,6,7,9
	132034	建筑设计（三） Architecture Studio III	必 C	128				5.0	5	№1,2,3,4 ,5,6,7,9
	132308	建筑设计原理 Principles of Architectural Design	必 C	32				2.0	4	№1,2,3,4
	132345	风景园林规划与设计原理 Principles of Landscape Planning and Design	必 C	32				2.0	5	№1,2,3,4 ,9
	132334	城乡规划原理（一） Principles of Urban and Rural Planning I	必 C	32				2.0	6	№1,2,6,7

专业领域课 Specialty-related Courses	132335	城乡规划原理（二） Principles of Urban and Rural Planning II	必 C	32				2.0	7	№2,4,10	
	132013	城市经济学 Urban Economics	必 C	32				2.0	7	№2,4,6,12	
	132006	城市发展史 History of Urban Development	必 C	32				2.0	6	№1,2	
	132317	城市地理学与区域规划 Urban Geography and Regional Planning	必 C	32				2.0	6	№1,2,4,6,7	
	132015	城市社会学 Urban Sociology	必 C	32			2	2.0	5	№4,6,9,10	
	132194	环境生态学 Environmental Ecology	必 C	32				2.0	6	№1,2,4,7	
	132012	城市环境物理 Urban Physical Environment	必 C	48				3.0	5	№1,2,4,5,7	
	<b>合计 Total</b>			必 C	1376			2	67.0		
				选 E	选修课修读最低要求 0 学分 minimum elective course credits required:						
	132336	城乡规划设计（一） Urban and Rural Planning I	必 C	128				5.0	6	№2,3,4,9,10	
	132337	城乡规划设计（二） Urban and Rural Planning II	必 C	128				5.0	7	№2,3,4,9,10	
	132338	城乡规划设计（三） Urban and Rural Planning III	必 C	128				5.0	8	№1,2,3,4,5,6,7,8,9,10,11,12	
132284	城市道路与交通（一） Urban Road Design and Transportation Planning I	必 C	32				2.0	6	№1,2,5		
132285	城市道路与交通（二） Urban Road Design and Transportation Planning II	必 C	32				2.0	7	№1,2,5		
132007	城市工程系统规划 Urban Engineering System Planning	必 C	48			6	3.0	8	№1,2,3,7		
132004	城市地理信息系统 Urban Geographic Information System	必 C	48				3.0	6	№1,2,4,5		
132339	城乡规划管理与法规 Urban Planning Management and Legislations	必 C	32				2.0	7	№2,6,8,11		
132002	场地设计 Site Planning	必 C	32				2.0	5	№1,2,3,7		
132224	居住区规划原理 Principles of Residential Planning	必 C	32				2.0	5	№1,4,6,7		
132014	城市设计概论 Introduction to Urban Design	必 C	32			6	2.0	6	№1,2,4,5,6,9		

132283	建筑模型与图形语言 Architectural Model and Graphic Language	选 E	32			8	2.0	2	№1,4,5,9
132239	计算机辅助设计 Computer-Aided Design	选 E	64	32			3.0	5	№1,2,3
132321	建筑力学 Building Mechanics	选 E	32				2.0	3	№1,2,3
132156	建筑结构概论 Introduction to Architectural Structures	选 E	48				3.0	4	№1,2,3,9,10
132039	建筑设计结构选型 Construction Principles in Architecture Design	选 E	32				2.0	5	№1,2,3,4,9
132323	建筑材料与构造 Building Construction and Material	选 E	32			4	2.0	6	№1,2,3,4,9
132043	建筑师业务 Architect Business	选 E	32				2.0	8	№6,8,9,10,11
132025	建筑防火设计 Fire Safety Design of Buildings	选 E	32				2.0	7	№1,2,3
132318	文化遗产保护概论 Introduction to Cultural Heritage Conservation	选 E	32			8	2.0	7	№1,2,4,6,9
132244	传统建筑营造法 Construction of Traditional Architecture	选 E	32				2.0	7	№1,2,3,4
132362	房地产开发与管理 Real Estate Development and Management	选 E	32				2.0	6	№1,2,3,11
132018	当代建筑思潮 Contemporary Architectural Thoughts	选 E	32				2.0	5	№1,2,4
132057	室内设计原理 Principles of Interior Design	选 E	32			10	2.0	8	№1,2,3,4,7
132319	绿色建筑设计与技术 Sustainable Design and Technology	选 E	32			4	2.0	7	№1,2,3,4,7
132286	环境心理与行为学 Environmental Psychology and Behavior Science	选 E	32			4	2.0	5	№1,2,4
132047	建筑美学 Architectural Aesthetics	选 E	32				2.0	8	№1,2,4
132051	岭南建筑与园林 Buildings and Gardens in South China	选 E	32				2.0	6	№1,2,4,7
132320	岭南城建发展史 Urban History of Canton	选 E	32				2.0	5	№1,2,4,7
132288	数字化建筑设计技术 Digital Techniques in Architecture Design	选 E	32			8	2.0	7	№1,2,3

132055	色彩美学 Color Aesthetics	选 E	32			10	2.0	3	№1,2,3
132059	艺术史 Art History	选 E	32			10	2.0	7	№1,2,4
132322	城市设计理论和方法 Theories and Principles of Urban Design	选 E	32				2.0	7	№1,2,4,5 .7
120003	创新研究训练 Innovation Research Training	选 E	32				2.0		№4
120004	创新研究实践 I Innovation Research Practice I	选 E	32				2.0		№3
120005	创新研究实践 II Innovation Research Practice II	选 E	32				2.0		№3
120006	创业实践 Entrepreneurial Practice	选 E	32				2.0		№10,11
<b>合 计</b> <b>Total</b>		必 C	672			12	33.0		
		选 E	选修课修读最低要求 12.0 学分 minimum elective course credits required:12						

注：学生根据自己开展科研训练项目、学科竞赛、发表论文、获得专利和自主创业等情况申请折算为一定的专业选修课学分（创新研究训练、创新研究实践 I、创新研究实践 II、创业实践等创新创业课程）。每个学生累计申请为专业选修课总学分不超过 4 个学分。经学校批准认定为选修课学分的项目、竞赛等不再获得对应第二课堂的创新学分。

#### 四、集中实践教学环节(Practice-concentrated Training)

课程 代码 Course No	课程名称 Course Title	是否 必修 C/E	学时数 Total Curriculum Hours		学分数 Credits	开课 学期 Semester	毕业要求 Student Outcomes
			实践 Practice weeks	授课 Lecture Hours			
106002	军训 Military Training	必 C	3周		3.0	1	№9
143197	马克思主义理论与实践 Marxism Theory and Practice	必 C	2周		2.0	假期	№8
132146	小建筑测绘 Small Building Survey	必 C	1周		1.0	1	№1,2,9
132295	美术写生(一) Sketch Painting I	必 C	2周		2.0	2	№1
132296	美术写生(二) Sketch Painting II	必 C	2周		2.0	4	№1
132147	建筑画表现(一) Architectural drawings I	必 C	1周		1.0	3	№1
132148	建筑画表现(二) Architectural drawings II	必 C	1周		1.0	4	№1
132228	建筑认识 Architectural Understanding	必 C	2周		2.0	4	№1,2
132340	城乡认识 Cognition of Urban and Rural Environment	必 C	2周		2.0	6	№1,2
132363	城乡社会综合调研 Urban and rural social survey	必 C	2周		2.0	8	№2,4,5,9,10
132364	城乡总体规划调研 Investigation of Urban and Rural Master Planning	必 C	1周		1.0	8	№2,4,5,7,8,9,10,11,12
132236	规划业务实习 Practice of Urban planning	必 C	18周		18.0	9	№8,9,11,12
132316	工作坊与专题设计 Design Workshop	必 C	2周		2.0	9	№2,4,9,10
132222	毕业设计 Graduate Design	必 C	15周		15.0	10	№3,4,5,6,7,9
132324	古建筑专题考察 Field Investigation of Historic Environment	选 E	2周		2.0	8	№1,2,4,9
合计 Total		必 C	54周		54.0		54
		选 E	选修课修读最低要求 0 学分 minimum elective course credits required:				

#### 五、第二课堂

第二课堂由人文素质教育和创新能力培养两部分组成。

##### 1.人文素质教育基本要求

学生在取得专业教学计划规定学分的同时，还应结合自己的兴趣适当参加课外人文素质教育活

动，参加活动的学分累计不少于 2 个学分。

## **2.创新能力培养基本要求**

学生在取得本专业教学计划规定学分的同时，还必须参加国家创新创业训练计划或广东省创新创业训练计划或 SRP（学生研究计划）或百步梯攀登计划或一定时间的各类课外创新能力培养活动（如学科竞赛、学术讲座等），参加活动的学分累计不少于 4 个学分。

## **5.“Second Classroom” Activities**

“Second Classroom” Activities are comprised of two parts, Humanities Quality Education and Innovative Ability Cultivation.

### **1)Basic Requirements of Humanities Quality Education**

Besides gaining course credits listed in one’s subject teaching curriculum, a student is required to participate in extracurricular activities of Humanities Quality Education based on one’s interest, acquiring no less than two credits.

### **2)Basic Requirements of Innovative Ability Cultivation**

Besides gaining course credits listed in one’s subject teaching curriculum, a student is required to participate in any one of the following activities: National Undergraduate Training Programs for Innovation and Entrepreneurship, Guangdong Undergraduate Training Programs for Innovation and Entrepreneurship, Student Research Program (SRP), One-hundred-steps Innovative Program, or any other extracurricular activities of Innovative Ability Cultivation that last a certain period of time (e.g. subject contests, academic lectures), acquiring no less than four credits.