

NJU SA 2016-2017

THE YEAR BOOK OF ARCHITECTURE PROGRAM SCHOOL OF ARCHITECTURE AND URBAN PLANNING

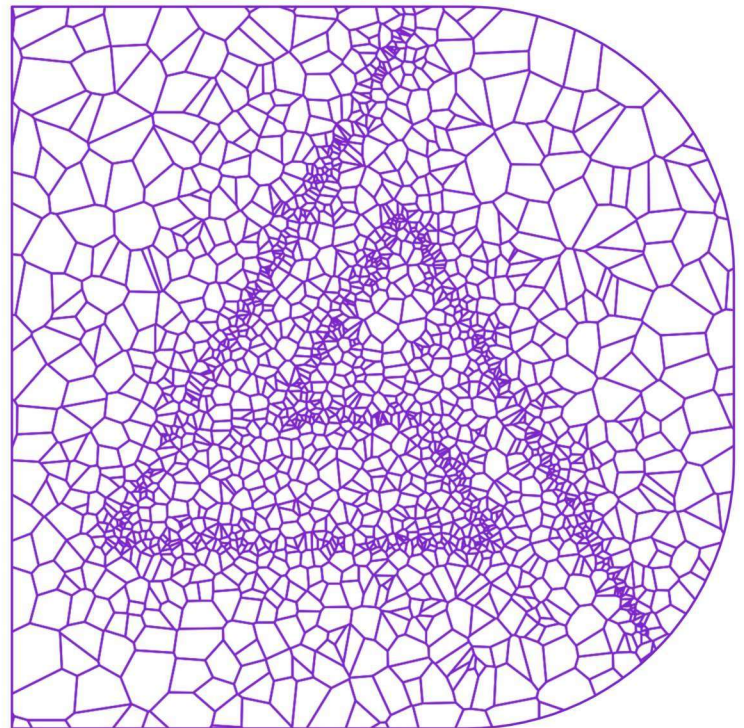
南京大学建筑与城市规划学院建筑系 教学年鉴

王丹丹 编

EDITOR: WANG DANDAN

东南大学出版社 · 南京

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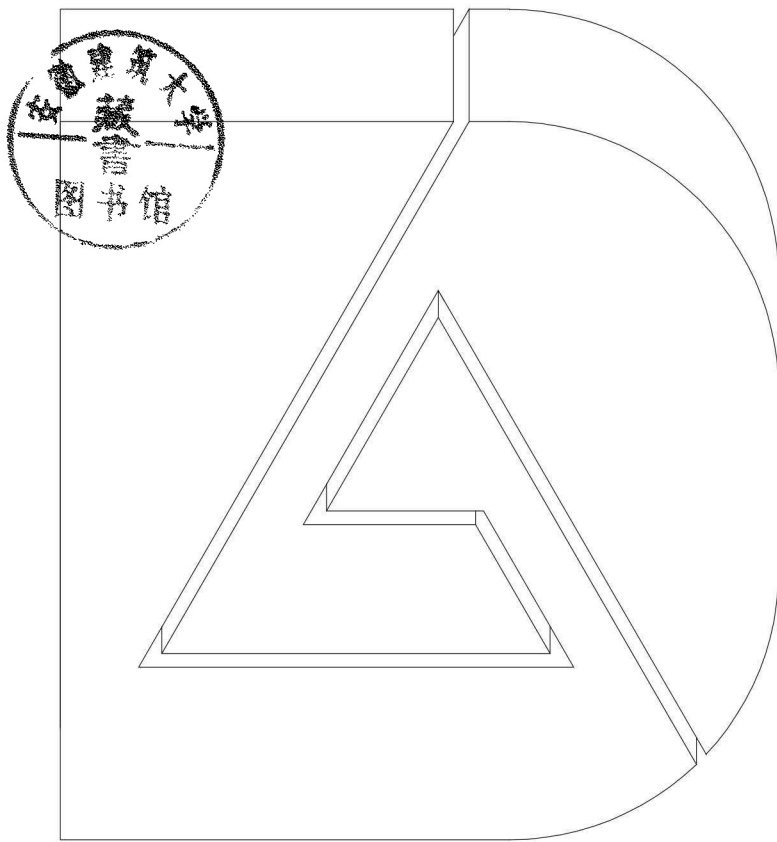
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建筑设计及其理论

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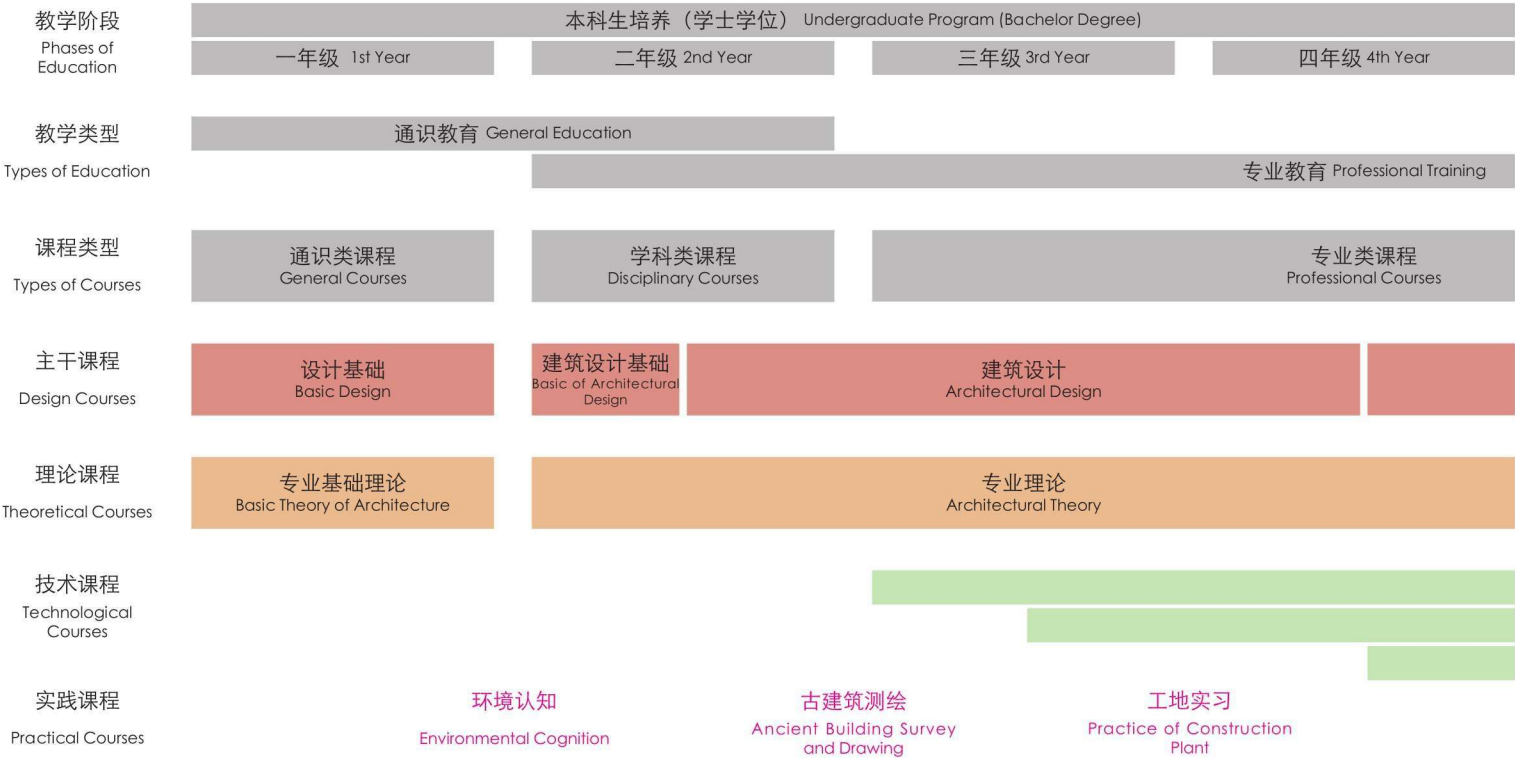
建筑技术科学

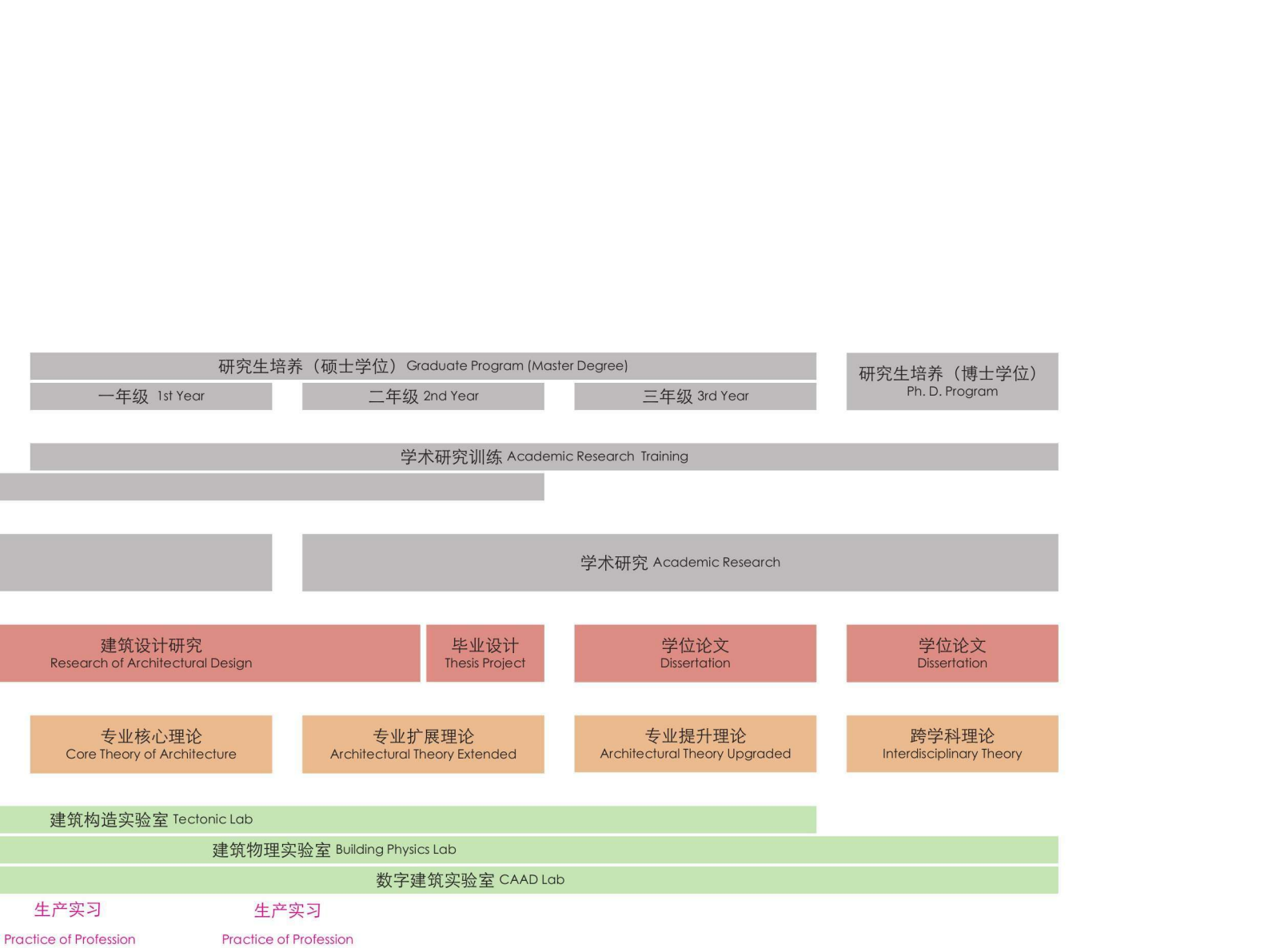
Building Technology Science

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教学纲要
EDUCATIONAL PROGRAM





课程安排
CURRICULUM OUTLINE

	本科一年级 Undergraduate Program 1st Year	本科二年级 Undergraduate Program 2nd Year	本科三年级 Undergraduate Program 3rd Year
设计课程 Design Courses	设计基础 Basic Design	建筑设计基础 Basic Design of Architecture 建筑设计（一） Architectural Design 1 建筑设计（二） Architectural Design 2	建筑设计（三） Architectural Design 3 建筑设计（四） Architectural Design 4 建筑设计（五） Architectural Design 5 建筑设计（六） Architectural Design 6
专业理论 Architectural Theory	逻辑学 Logic	建筑导论 Introductory Guide to Architecture	建筑设计基础原理 Basic Theory of Architectural Design 居住建筑设计与居住区规划原理 Theory of Housing Design and Residential Planning 城市规划原理 Theory of Urban Planning
建筑技术 Architectural Technology	理论、材料与结构力学 Theoretical, Material & Structural Statics Visual BASIC程序设计 Visual BASIC Programming	CAAD理论与实践 Theory and Practice of CAAD	建筑技术（一）结构与构造 Architectural Technology 1: Structure & Construction 建筑技术（二）建筑物理 Architectural Technology 2: Building Physics 建筑技术（三）建筑设备 Architectural Technology 3: Building Equipment
历史理论 History Theory	古代汉语 Ancient Chinese	外国建筑史（古代） History of World Architecture (Ancient) 中国建筑史（古代） History of Chinese Architecture (Ancient)	外国建筑史（当代） History of World Architecture (Modern) 中国建筑史（近现代） History of Chinese Architecture (Modern)
实践课程 Practical Courses		古建筑测绘 Ancient Building Survey and Drawing	工地实习 Practice of Construction Plant
通识类课程 General Courses	数学 Mathematics 语文 Chinese 名师导学 Guide to Study by Famed Professors 计算机基础 Basic Computer Science	社会学概论 Introduction of Sociology 社会调查方法 Methods for Social Investigation	
选修课程 Elective Courses		城市道路与交通规划 Planning of Urban Road and Traffic 环境科学概论 Introduction of Environmental Science 人文科学研究方法 Research Method of the Social Science 美学原理 Theory of Aesthetics 管理学 Management 概率论与数理统计 Probability Theory and Mathematical Statistics 国学名著导读 Guide to Masterpieces of Chinese Ancient Civilization	人文地理学 Human Geography 中国城市发展建设史 History of Chinese Urban Development 欧洲近现代文明史 Modern History of European Civilization 中国哲学史 History of Chinese Philosophy 宏观经济学 Macro Economics 管理信息系统 Management Operating System 城市社会学 Urban Sociology

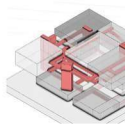
本科四年级	研究生一年级	研究生二、三年级
Undergraduate Program 4th Year	Graduate Program 1st Year	Graduate Program 2nd & 3rd Year
建筑设计 (七) Architectural Design 7	建筑设计研究 (一) Design Studio 1	专业硕士毕业设计 Thesis Project
建筑设计 (八) Architectural Design 8	建筑设计研究 (二) Design Studio 2	
本科毕业设计 Graduation Project	数字建筑设计 Digital Architecture Design	
	联合教学设计工作坊 International Design Workshop	
城市设计理论 Theory Urban Design	城市形态研究 Study on Urban Morphology	
	现代建筑设计基础理论 Preliminaries in Modern Architectural Design	
	现代建筑设计方法论 Methodology of Modern Architectural Design	
	景观都市主义理论与方法 Theory and Methodology of Landscape Urbanism	
建筑师业务基础知识 Introduction of Architects' Profession	材料与建造 Materials and Construction	
建设工程项目管理 Management of Construction Project	中国建构 (木构) 文化研究 Studies in Chinese Wooden Tectonic Culture	
	计算机辅助技术 Technology of CAAD	
	GIS基础与运用 Concepts and Application of GIS	
	建筑理论研究 Study of Architectural Theory	
生产实习 (一) Practice of Profession 1	生产实习 (二) Practice of Profession 2	建筑设计与实践 Architectural Design and Practice
景观规划设计及其理论 Theory of Landscape Planning and Design	建筑史研究 Studies in Architectural History	
东西方园林 Eastern and Western Gardens	建筑节能与可持续发展 Energy Conservation & Sustainable Architecture	
地理信息系统概论 Introduction of GIS	建筑体系整合 Advanced Building System Integration	
欧洲哲学史 History of European Philosophy	规划理论与实践 Theory and Practice of Urban Planning	
微观经济学 Micro Economics	景观规划进展 Development of Landscape Planning	
政治学原理 Theory of Political Science		
社会学定量研究方法 Quantitative Research Methods in Sociology		



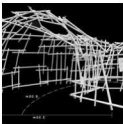
1—157 年度改进课程 WHAT'S NEW



2
设计基础（一）
BASIC DESIGN 1



46
建筑设计（五+六）：城市建筑：社区中心
ARCHITECTURAL DESIGN 5 & 6: URBAN ARCHITECTURE:
COMMUNITY CENTER



12
设计基础（二）
BASIC DESIGN 2



58
本科毕业设计：长汀历史名城更新与建筑设计
GRADUATION PROJECT:RENEWAL AND ARCHITECTURAL
DESIGN OF CHANGTING HISTORICAL CITY



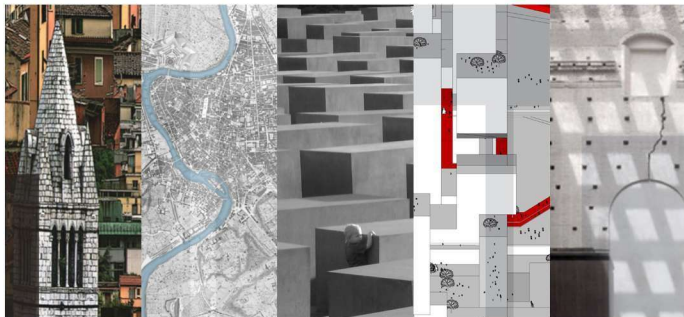
22
建筑设计（一）：老城住宅设计
ARCHITECTURAL DESIGN 1:RESIDENTIAL DESIGN OF
OLD TOWN



76
本科毕业设计：数字化设计与建造
GRADUATION PROJECT:DIGITAL DESIGN & BUILDING



34
建筑设计（三）：赛珍珠纪念馆扩建
ARCHITECTURAL DESIGN 3:EXPANSION OF PEARL BUCK
MEMORIAL



131—177 附录 APPENDIX

131—143 建筑设计课程 ARCHITECTURAL DESIGN COURSES

145—147 建筑理论课程 ARCHITECTURAL THEORY COURSES

149—151 城市理论课程 URBAN THEORY COURSES

153—155 历史理论课程 HISTORY THEORY COURSES

157—159 建筑技术课程 ARCHITECTURAL TECHNOLOGY COURSES

161—169 回声——来自毕业生的实践 ECHO—FROM PRACTICES OF GRADUATES

171—177 其他 MISCELLANEA



88

建筑设计研究（一）：记忆 · 场所 · 叙事
DESIGN STUDIO 1: MEMORY • PLACE • NARRATIVE



96

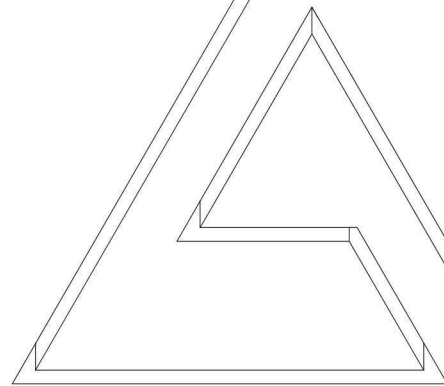
建筑设计研究（二）：建构研究“低技建造”设计研究
DESIGN STUDIO 2: DESIGN RESEARCH ON “LOW-TECH
CONSTRUCTION” IN CONSTRUCTION RESEARCH



108

研究生国际教学交流计划
THE INTERNATIONAL POSTGRADUATE TEACHING PROGRAM

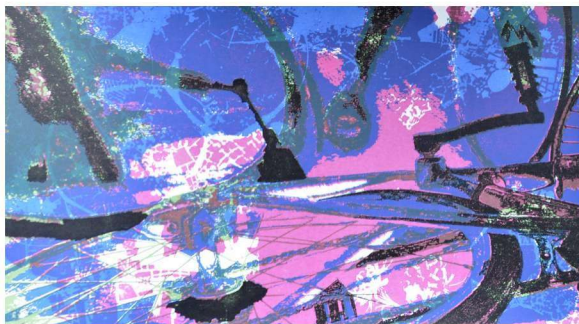
年度改进课程
WHAT'S NEW



设计基础 (一)

BASIC DESIGN 1

季鹏



设计基础作为设计相关学科的启蒙课程，一直以来都是引导学生进行学科认知与思维模式转换的重要教学环节，同样也是建筑学基础课程的重要组成部分。在教学实践中，如何合理安排通识基础与专业基础知识的比重、如何在确保课程体系科学性的基础上融入趣味性与实验性、如何将艺术与科技有效结合起来制定教学内容，在多元文化的当下，对于建筑学科的宽口径人才培养模式，具有积极的影响与深远的意义。

近年来，与南京艺术学院设计学院的设计基础课联合教学，是充分体现学科优势互补、强强联合的有益尝试。在双方教学团队的共同努力下，经过不断的教学探索与改革后，课程体系不断完善并逐步成型。课题从艺术设计过渡到建筑设计基础，从平面到立体，从独立作业到团队协作。课程总体由7个循序渐进的课题组成，训练内容涉及综合绘画、材料拼贴、尺规作图、陶瓷烧造、丝网印刷、观念摄影、模型制作、图表分析、立体构成、空间建构与设计软件学习。通过两个学期的课程安排，为建筑学专业的一年级新生开启了一个全新的学科领域，为今后的专业学习夯实了基础。

本课题是系列课题的第一部分：看到世界的美。

作为造型训练的基础课程，课题1主要培养学生理解同一形式的多种表达方式。自行车是学生们熟悉的日常用品，但是复杂的点线面结构所体现的机械美学，在艺术表现时又充满了挑战。本课题以自行车为研究对象，通过素描、拼贴、色彩、陶瓷烧造与丝网印刷等多种艺术表现手法，拓展学生观看的视角以及造型、色彩与材料的基本表达方式。

As the enlightenment course of design-related subject, Basic Design is always an important teaching link to guide students for subject cognition and thinking mode conversion, and also the important part of architecture foundation. In the teaching practice, how to rationally arrange the proportion of general knowledge basis and professional basic knowledge, how to merge interest and experiment on the basis of ensuring scientific course system, how to effectively combine art with technology to confirm teaching content, under the background of diversified culture, it has positive influence and profound meaning to the wide-caliber talent cultivation mode in architecture subject.

In recent years, the teaching combined with the design basis course of School of Design of Nanjing University of the Arts is a win-win beneficial try to fully reflect complementary subject advantage. Under the common efforts of teaching teams of both sides, through constant teaching exploration and reform, the curriculum system is constantly improved and took shape gradually formed. The tasks are transitioned from art design to architectural design basis, from plane to solid, from independent operation to teamwork. The overall curriculum consists of 7 progressive tasks, and the training content involves comprehensive drawing, material collaging, drawing with ruler and compass, ceramic firing, silk-screen printing, conceptual photography, modeling, chart analysis, three dimensional composition, spatial construction and design software learning. Two semesters of course arrangement open a brand new subject field for the freshmen, and lay a solid foundation for the subsequent professional learning.

This subject is the first part of series of subjects: see the beauty of world.

As the basic course of modelling training, task 1 mainly cultivates students to understand various expression methods of the same form. The bicycle is an article for daily use familiar to students, but the mechanical aesthetics reflected from the complex point-line-plane structure is full of challenge in artistic expression. In this task, with the bicycle as the research object, through various artistic expression methods including sketch, collage, color, ceramic firing and silk-screen printing, etc., view of students and basic expression methods for modeling, color and material are developed.

