

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	建筑设计与文化 Architectural Design and Culture
2.	授课院系 Originating Department	社会科学中心 Center for Social Sciences
3.	课程编号 Course Code	SS145
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	通识选修课程 General Education (GE) Elective Courses
6.	授课学期 Semester	春季 Spring
7.	授课语言 Teaching Language	中文 Chinese
8.	授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	赵妍 ZHAO Yan 青年会士 Junior Fellow 南方科技大学人文社会科学荣誉学会 Society of Fellows in the Liberal Arts, SUSTech zhaoy@mail.sustech.edu.cn
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	无 NA
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授	习题/辅导/讨论	实验/实习	其它(请具体注明)	总学时
	Lectures	Tutorials	Lab/Practical	Other (Please specify)	Total
学时数 Credit Hours	32				32
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无 NA				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无 NA				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无 NA				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

本课程旨借由建筑学语境带领学生去认识人类自身与文明进程，并培养审美的能力与视角。通过对建筑与文化诸多议题的系列讲授，帮助学生建立批判性的思维习惯；通过对文化流变与建筑学派及运动的系统学习，学生们得以开阔人文视野，增进多元价值观的培养；通过课堂讲述和课堂练习，学生们将熟悉基本的建筑设计语汇与表达技巧。

The course is to lead students to understand human beings and the progress of civilization through the context of architecture, and to cultivate aesthetic abilities and perspectives. Through a series of lectures on the topics of architecture and culture, it helps students to establish critical thinking habit; through the systematic study of cultural changes and architectural movements, students can broaden their humanistic vision and cultivate diverse values; through lectures and classroom exercises, students will become familiar with basic architectural design vocabulary and architectural expression skills.

16. 预达学习成果 Learning Outcomes

本课程预期让学生掌握以下技能和知识：

- 培养审美的能力与视角；
- 建立批判性的思维习惯；
- 开阔人文视野，培养多元的价值观；
- 熟悉基本的建筑设计语汇与表达技巧。



Upon successful completion, students will be able to:

- Cultivate aesthetic abilities and perspectives
- Establish critical thinking habit
- Broaden humanistic vision and cultivate diverse values
- Have basic architectural design vocabulary and architectural expression skills.

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）

Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

第一课：初识建筑学（2学时）

- ◆ 课程介绍
课程安排与考核介绍
- ◆ 学生自我介绍
- ◆ 初识建筑学
建筑师
建筑子系统与设计要素
建筑师设计的流程
了解自己-了解他人-了解生活-了解设计

第二课：建筑语汇1/2（2学时）

- ◆ 概念设计



- ◆ 场地设计
- ◆ 功能分区
- ◆ 建筑空间设计
- ◆ 随堂练习

第三课：建筑语汇2/2（2学时）

- ◆ 体量与造型设计
- ◆ 流线设计
- ◆ 景观设计及配套
- ◆ 建筑构造设计
- ◆ 随堂练习

第四课：建筑图纸表达与摄影（2学时）

- ◆ 建筑图纸表达
平面图、立面图、剖面图、轴测图（卒姆托的阶段性手稿与成图，电脑制图表达）
分析图（形式、图底关系、组织关系、文脉）
- ◆ 建筑摄影
- ◆ 随堂练习

第五课：古今中外的文化流变与建筑运动1/3（2学时）

- ◆ 古典主义
- ◆ 罗曼式
- ◆ 哥特式
- ◆ 文艺复兴
- ◆ 矫饰主义
- ◆ 巴洛克式
- ◆ 新哥特式
- ◆ 新古典主义

第六课：古今中外的文化流变与建筑运动2/3（2学时）

- ◆ 新艺术运动
- ◆ 工艺美术运动
- ◆ 工业主义
- ◆ 现代主义

第七课：古今中外的文化流变与建筑运动3/3（2学时）

- ◆ 理性主义
- ◆ 粗野主义
- ◆ 高技派
- ◆ 后现代主义
- ◆ 结构主义
- ◆ 后结构主义
- ◆ 解构主义
- ◆ 地域性主义
- ◆ 全球主义

第八课：期中课堂汇报与点评（2学时）

学生分组调研南科大校园里的一栋建筑并根据所学知识对其展开建筑分析：

建议借助影像、分析图、图示、问卷与访谈等形式进行记录与分析，并最终以课堂陈述和图文报告的形式呈现（字数：1000-2000字）

第九课：仍具有现实意义的现代建筑1/2（2学时）

- ◆ 功能与简约
- ◆ 透明性与真实
- ◆ 空间与结构

第十课：仍具有现实意义的现代建筑2/2（2学时）

- ◆ 形式与文脉
- ◆ 历史与记忆
- ◆ 自然与秩序

第十一课：建筑与文化子课题1/4：地域建筑与民居（2学时）



- ◆ 包涵传统多样性的世界各地民居赏析
 - 北欧
 - 中欧
 - 东亚（中国与日本）
 - 南亚
 - 非洲
 - 美洲
- ◆ 传统的继承与更新

第十二课：建筑与文化子课题2/4：空间权力与道德（2学时）

- ◆ 建筑的物质属性与象征内涵
- ◆ 福柯论权力空间
- ◆ 轴线对称与“觐见之路”
- ◆ 高楼综合症
- ◆ 纪念性建筑

第十三课：建筑与文化子课题3/4：性别与差异（2学时）

- ◆ 性别语言之于古典建筑传统：从古希腊爱奥尼与多克立柱式谈起
- ◆ 现代建筑教育之初的区别对待：包豪斯的分类教学
- ◆ 需警惕的“偏见”：沙利文、迈克尔·索金
- ◆ 二元对立导致人类的异化
- ◆ 女性建筑师的实践赏析

第十四课：建筑与文化子课题4/4：传统的“迷信”与未来的“科学”（2学时）

- ◆ 传统的“迷信”
 - 鲁班经：建造与法术
 - 风水术：对超自然力量的理解
- ◆ 未来的“科学”
 - 预制装配式建筑产品
 - 太阳能建筑
 - 数字时代与建筑变革
- ◆ 警惕矫枉过正与新“迷信”

第十五课与第十六课：期末课堂汇报与点评（4学时）

学生各自选取课程讲授内容中一个感兴趣的话题结合自身思考与文献阅读完成期末报告：可借助影像、制图、模型、访谈等形式进行记录分析，并最终以课堂陈述和图文报告的形式呈现（字数：2000-3000字）。

Lecture 1 Getting a Touch on Architecture (2-credit hours)

- ◆ Course introduction
 - Introduction of course arrangement and assessment
- ◆ Students introduce themselves
- ◆ A brief introduction to architecture
 - The architect
 - Architectural sub-systems and design elements
 - The process of architectural design
 - Know yourself - know others - know life - know design

Lesson 2: Architectural Vocabulary1/2 (2-credit hours)

- ◆ Concept
- ◆ Site and context
- ◆ Functional grouping and zoning
- ◆ Architectural space
- ◆ In-class exercise

Lesson 3: Architectural Vocabulary2/2 (2-credit hours)

- ◆ Building volume and building form
- ◆ Circulation
- ◆ Landscape
- ◆ Structure and construction
- ◆ In-class exercise

Lesson 4: Architectural Drawing and Photography (2-credit hours)

- ◆ Architectural drawing
 - Plans, elevations, sections, axonometric drawings

- ◆ Analytical drawings
- ◆ Architectural photography
- ◆ In-class exercise

Lecture 5: Cultural Changes and Architectural Movements 1/3 (2-credit hours)

- ◆ Classicism
- ◆ Romanesque
- ◆ Gothic
- ◆ Renaissance
- ◆ Mannerism
- ◆ Baroque
- ◆ Neo-Gothic
- ◆ Neoclassical

Lesson 6: Cultural Changes and Architectural Movements 2/3 (2-credit hours)

- ◆ Art Nouveau
- ◆ Arts and Crafts Movement
- ◆ Industrialism
- ◆ Modernism

Lesson 7: Cultural Changes and Architectural Movements 2/3 (2-credit hours)

- ◆ Rationalism
- ◆ Brutalism
- ◆ High-tech
- ◆ Postmodernism
- ◆ Structuralism
- ◆ Post-structuralism
- ◆ Deconstructionism
- ◆ Regionalism
- ◆ Globalism

Lesson 8: Mid-term Class Presentation and Review (2-credit hours)

Students in groups need to investigate a building in the campus of SUSTech and to conduct architectural analysis based on what they had learned and then to complete the midterm report:

The report can use images (photograph and video), diagrams, models (physical model and digital model) and audio/video interviews. The final version should be presented in class and in form of written report. (1000-2000 words).

Lesson 9: Modernism is Still Relevant Today 1/2 (2-credit hours)

- ◆ Function and simplicity
- ◆ Transparency and truth
- ◆ Space and structure



Lesson 10: Modernism is Still Relevant Today 2/2 (2-credit hours)

- ◆ Form and context
- ◆ History and memory
- ◆ Nature and order

Lesson 11: Sub-topic of Architecture and Culture: Regional Architecture and Dwellings 1/4 (2-credit hours)

- ◆ Enjoying diverse dwellings around the world
 - Nordic
 - Center EU
 - East Asia (China and Japan)
 - South Asia
 - Africa
 - Americas
- ◆ Inheritance and renewal

Lesson 12: Sub-topic of Architecture and Culture: Power and Morality 2/4 (2-credit hours)

- ◆ Material property and symbolic meaning of building
- ◆ Power and space by Foucault
- ◆ axisymmetry: going to court
- ◆ Tall building syndrome
- ◆ Monumental buildings

Lesson 13: Sub-topic of Architecture and Culture: Gender and Difference 3/4 (2-credit hours)

- ◆ Gender language in classical architecture: start from Ionic and Doric columns of ancient Greece
- ◆ Differential treatment at the beginning of modern architectural education: Bauhaus' class
- ◆ "Bias" to be wary of: Sullivan, Michael Sorkin

- ◆ Binary opposition leads to the alienation of human beings
- ◆ Enjoying the works by female architects

Lesson 14: Sub-topic of Architecture and Culture: Traditional "Superstition" and Future "Science" 4/4 (2-credit hours)

- ◆ Traditional "Superstition"
Luban Sutra: Construction and Magic
Feng Shui: the understanding of supernatural forces
- ◆ Future "Science"
Prefabricated building products
Solar building
Digital age and architectural revolution
Beware of overcorrection and new "superstitions"

Lesson 15&16: Final Class Presentation and Review (4-credit hours)

Each student selects one topic in the lectures and completes the final report combining their own thinking and literature reading:
The report can use images (photograph and video), diagrams, models (physical model and digital model) and audio/video interviews. The final version should be presented in class and in form of written report (2000-4000 words).

18. 教材及其它参考资料 Textbook and Supplementary Readings

本课程无固定教材，推荐采用以下参考资料：

图书 (Books)

- [美] 罗伯特·文丘里. 建筑的复杂性与矛盾性. 2006
- [英] 阿德里安·福蒂. 词语与建筑物. 2022
- [英] 盖尔·彼得·博登. 建筑原理：形式材料的基本原则. 2022
- [美] 爱德华·T·怀特. 建筑语汇. 2001
- [中] 范文兵. 建筑教育笔记1——学设计·教设计. 2021

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance		10%		无故缺席 5 次及以上为不通过 Students with absence of 5 times or more will be noted as "not passed"
课堂表现 Class Performance		10%		参与课堂问题讨论 Participation in class discussion
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments				
期中考试 Mid-Term Test		40% (课堂汇报 20%+报告 20%) (presentation 20%+report 20%)		学生分组调研南科大校园里的一栋建筑并根据所学知识对其展开建筑分析： 建议借助影像、分析图、图示、问卷与访谈等形式进行记录与分析，并最终课堂陈述和图文报告的形式呈现（字数：1000-2000 字） Students in groups need to investigate a building in the campus of SUSTech and to conduct architectural analysis based on what they had learned and then to complete the midterm report: The report can use images (photograph and video), diagrams,

			models (physical model and digital model) and audio/video interviews. The final version should be presented in class and in form of written report. (1000-2000 words).
期末考试 Final Exam			
期末报告 Final Presentation	40% (课堂汇报 20%+报告 20%) (presentation 20%+report 20%)		学生各自选取课程讲授内容中一个感兴趣的话题结合自身思考与文献阅读完成期末报告： 可借助影像、制图、模型、访谈等形式进行记录分析，并最终在课堂陈述和图文报告的形式呈现（字数：2000-3000字）。 The report can use images (photograph and video), diagrams, models (physical model and digital model) and audio/video interviews. The final version should be presented in class and in form of written report (2000-4000 words).
其它（可根据需要改写以上评估方式） Others (The above may be modified as necessary)			

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading
 B. 二级记分制（通过/不通过） Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

Southern University
of Science and
Technology

21. 本课程设置已经过以下责任人/委员会审议通过

This Course has been approved by the following person or committee of authority