

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	世界建筑：史前到巴洛克 World Architecture: Prehistory to the Baroque				
2.	授课院系 Originating Department	社会科学中心 Center for Social Sciences				
3.	课程编号 Course Code	SS042				
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	中英双语 English and 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)	熊庠楠 Xiangnan XIONG, 人文社科荣誉学会 Society of Fellows in the Liberal Arts Email: xiongnx@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 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 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**

这门课程将学习世界建筑历史，探讨不同地区、时代、风格的建筑代表作品。其讨论的时间范围始于最早的人居遗址，终于十八世纪中叶，其空间范围将涵盖古西亚、古希腊、北非、中南美洲和欧洲。建筑学科的基本观念(比例、尺度、空间序列等)将渗透在历史建筑实例的讲述中。学生们将从本门课程中学习到各个建筑风格的主要特色。本门课程的知识训练和考核方式亦将培养他们的视觉记忆能力和对形式的联想能力。

This course studies the history of architecture around the world and looks closely at key sites from various areas, periods and of diverse styles. Our discussion begins with the earliest evidence of human habitation and extends to the middle of the eighteenth century and ranges from the ancient Near East and Classical Greece, to Africa, Central and South America, and Europe. The essential concepts of architecture (proportion, scale, spatial sequence, etc.) inform our investigation of building sites. Students will learn the major features of various architectural styles. This course will foster students' visual memory and their ability of formal association.

16. **预达学习成果 Learning Outcomes**

通过本课程的学习，学生将获得以下知识修养：

- 从全球视野全面地来理解建筑的发展
- 了解多种建筑风格的主要特色
- 多角度地理解建筑（从形式、结构、用途和文化等方面）
- 熟悉并能够正确使用基础的建筑术语

In taking this course, students will obtain the following skills and knowledge:

- Develop a global perspective of architectural history
- Grasp major features of various architectural styles
- Understand architecture from various aspects (form, structure, purpose, culture, etc.)
- Become familiar with basic architectural vocabulary and are able to use them correctly

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.)

1. The Origins of Architecture: Stone Age Europe / 建筑的起源: 石器时期的欧洲 (2-credit hours)

- Introduce classic readings of Marc-Antoine Laugier, An Essay on Architecture (1753) and Gottfried Semper, The Four Elements of Architecture (1851)
- Examine archaeological sites of Lascaux cave (France c. 10,000 B.C.E.), Carnac (France, c. 2000 B.C.E.), New Grange (Ireland, 2500 B.C.E.), Stonehenge (England, 2750-1500 B.C.E.), etc.
- Understand “postal and lintel”, “corbelled vault”, and “wattle and daub” as constructional method.

2. Ancient Egypt: City of the Dead / 古埃及: 逝者之城 (2-credit hours)

- Introduce the mortuary culture of the ancient Egypt.
- Examine Mortuary complex of Zoser (Saqqara, c. 2680 B.C.E.), Stepped Pyramid of Sneferu, (2680-2570 B.C.E.), Pyramids of Giza (2570-2500 B.C.E.), etc.
- Comprehend the architectural idea of “Mass and Volume”.
- Understand architectural terms of “mastaba”, “clerestory”, and “colonnade”.

3. Ancient Egypt: the New Kingdom / 古埃及: 新王国时代 (2-credit hours)

- Examine Mortuary Temple of Metuhotep (Deir el-Bahri, 2050 B.C.E.), Mortuary Temple of Hatshepsut (Deir el-Bahri, 1500 B.C.E.), Temple of Amon (Karnak, 1525-1350 B.C.E.), and Temple of Ramses II (Abu Simbel, 1250 B.C.E.)
- Comprehend the architectural idea of “Processing and Symmetry”
- Understand the prototype of “hypostyle hall”, “peristyle court”, and “obelisk”.
- Quiz 1

4. The Aegean: Bronze Age Cities and the Rise of Orders / 爱琴海: 青铜时代的城市和柱式的崛起 (2-credit hours)

- Introduce the ancient Aegean culture and their lifestyles.
- Examine Palace of Minos, Knossos (Crete, 1600 B.C.E.), Mycenae (Greece, 1,600-1,100 B.C.E.), Temple of Hera, Olympia (Greece, 500 B.C.E.), Temple of Athena (Paestum, Italy, 510 B.C.E.), etc.
- Understand the vocabulary associated with classical orders, such as capital, entablature, pediment, stylobate.

5. Ancient Greece: Polis and Acropolis / 古希腊: 城邦和卫城 (2-credit hours)

- Examine Theater (Epidaurus, 300 B.C.E.) and Propylaea, Temple of Athena Nike, Parthenon, and Erechtheion of Acropolis (Athens, 420s).
- Comprehend the architectural concept of “Proportion and Scale”
- Understand building types of agora, stoa and auditorium.
- Understand the ancient Greek visual adjustment of “entasis”
- Quiz 2

6. Caput mundi: Roman Architecture I / 世界之都: 罗马建筑 I (2-credit hours)

- Introduce Roman culture and its influence on western civilization
- Examine Aqueduct, Pont-du-Gard, (Nîmes [France], late 1st century B.C.E.), Maison Carrée, (Nîmes [France], 19 B.C.E.), Pantheon (Rome 118-128 C.E.), and Colosseum (Rome, 72-80 C.E.).
- Understand “vault”, “barrel vault”, “groin vault”, and “dome”.

7. Caput mundi: Roman Architecture II / 世界之都: 罗马建筑 II (2-credit hours)

- Introduce diverse Roman building types.
- Examine Baths of Caracalla (Rome, 210s), Arch of Constantine (Rome, 315 C.E.), Trajan's Forum (Rome, 98-112 C.E.), House of Menander (Pompeii [Italy], after 62 C.E.), and Petra (Jordan, 1st-2nd centuries C.E.)
- Understand prototype of forum, atrium, basilica.
- Discuss the earliest architectural treatise—Vitruvius's *De Architectura*.
- Quiz 3

8. Late Roman Buildings and Early Christian Europe / 晚期罗马建筑 和基督教崛起的欧洲 (2-credit hours)

- Examine Catacombs (Rome, 1st-2nd centuries C.E.), St. Peter's (Rome, 319-c. 330), Santa Constanza (Rome, 350 C.E.), etc.
- Understand the building prototype of Basilica and its role in early Christian worship
- Learn the vocabulary associated with Basilica type: colonnade, clerestory, apse, etc.

9. The Christian East: Constantinople and Byzantine Architecture / 东罗马帝国：君士坦丁堡和拜占庭建筑 (2-credit hours)

- Explain the historic background of Christian East.
- Examine Hagia Sophia (Constantinople [Turkey], 532-537), San Vitale (Ravenna, 526-548), San Marco (Venice, 1063-94), etc.
- Understand Greek cross plan, pendentive, drum, and so forth as structure components and as the main features of Byzantine Architecture.

10. Islamic Architecture / 伊斯兰建筑 (2-credit hours)

- Explain Islamic worship culture
- Examine Dome of the Rock (Jerusalem, 691-92), Great Mosque at Samarra (Iraq, 850s), Great Mosque at Cordoba (Spain, 785-987), Alhambra (Granada, 13th and 14th centuries), and Taj Mahal, (Agra, 1631-47).
- Comprehend architectural idea of Ornament.
- Understand minaret, qibla, mihrab.

11. Pyramids & Rituals: Pre-Columbian Meso-American and Inca Buildings / 金字塔和仪式：哥伦布之前的中美洲和印加建筑 (2-credit hours)

- Introduce Pre-Columbian American world: Nazca culture, Incan culture, Toltec culture, etc.
- Examine Machu Picchu (Peru, 1438-71), Pyramid of the Moon (Teotihuacán [Mexico], 200 C.E.), Pyramid of the Sun (Teotihuacán [Mexico], 150 C.E.), Uxmal (Mexico, 800-1000), etc.
- Comprehend architectural idea of tectonics.
- Quiz 4

12. Medieval Europe: the Carolingian Renaissance and Romanesque / 中世纪欧洲：卡洛林文艺复兴和罗曼式建筑 (2-credit hours)

- Introduce Medieval European world
- Examine Monastery of Lorsch (Germany, 770C.E.), St. Michael (Hildesheim [Germany], 1000-1186), Cathedral, tower, and baptistry at Pisa (Italy, 10th-11th century)
- Comprehend the architectural idea of iconography

13. Medieval Europe: the Gothic Experiment / 中世纪欧洲：哥特建筑的试验 (2-credit hours)

- Examine Cathedral of Chartres (France, 13th century), Cathedral of Notre-Dame (Amiens [France], 1200s), Salisbury Cathedral (England, 1250s), King's College Chapel (Cambridge, 1450s-1500s), etc.
- Comprehend the idea of Structure rationalism.
- Understand major features of Gothic style and its structural features: flying buttress, pinnacle, ribbed vault, etc.
- Quiz 5

14. Quattrocento Italy: The Early Renaissance / 十五世纪意大利：早期文艺复兴 (2-credit hours)

- Introduce the humanist culture of Italian Renaissance.
- Examine dome of the Duomo (Florence, 1250s), Foundling Hospital (Florence, 1420s), Pazzi Chapel (Florence, 1430s), Medici Palace (Florence, 1450s), S. Maria Novella (Florence, 1450s), S. Andrea (Mantua, 1470-90s).
- Discuss architect masters Filippo Brunelleschi and Leon Battista Alberti.
- Discuss the first architectural treatise of the Renaissance: *De re aedificatoria* (1452, Ten Books on Architecture) by Alberti.

15. The Cinquecento in Italy and Beyond / 十六世纪意大利及其影响 (2-credit hours)

- Introduce the building types of palace and villa.
- Examine Tempietto (Rome, 1502), Laurentian Library (Florence, 1520s), Porta Pia (Rome, 1560s), Palazzo del Té (Mantua[Italy], 1530s), La Rotonda (Vicenza, 1556-57).
- Discuss architect masters Bramante, Palladio, and Michelangelo.
- Investigate the idea of beauty in the Renaissance time and the approach of mannerism.

16. The Baroque Architecture / 巴洛克建筑 (2-credit hours)

- Discuss the transition from Renaissance to mannerism to Baroque.
- Examine the completion of St.Peter's (Rome, 1610s), S. Carlo alle Quattro Fontane, (Rome, 1640s), S. Ivo della Sapienza (Rome, 1660s), Karlskirche (Vienna, 1720s), Vierzehnheiligen, (Germany, 1740s).
- Discuss Baroque masters and rivals Gian Lorenzo Bernini vs Francesco Borromini
- Review the course.
- Quiz 6

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

本课程无固定教材，将根据以下参考资料自编教材：

Spiro Kostof, *A History of Architecture: Settings and Rituals*. 2nd. ed. New York: Oxford University Press, 1995.

Vitruvius. *The Ten Books of Architecture* (30-15 B.C.E.), trans. Morris Hicky Morgan. New York: Dover, 1960. (中译本：维特鲁威，《建筑十书》，陈平译。北京大学出版社，2012)

Christian Norberg-Schulz. *Meaning in Western Architecture*. New York: Rizzoli, 1980.

Robert Mark, ed., *Architectural Technology up to the Scientific Revolution: The Art and Structure of Large-Scale Buildings*. Cambridge, MA: MIT Press, 1994.

Leon Battista Alberti. *On the Art of Building in Ten Books* (1452), Joseph Rykwert, et al., trans. Cambridge, MA: MIT Press, 1997. (中译本: 阿尔伯蒂, 《建筑论-阿尔伯蒂建筑十书》, 王贵祥译。中国建筑工业出版社, 2010)。

Christy Anderson. *Renaissance Architecture*. Oxford: Oxford University Press, 2013.

Plus selected articles available on JSTOR database (extensive reading, recommended for those who are interested in certain periods or certain styles).

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%		Participation in discussion and in-class exercises
课堂表现 Class Performance		90%		6 quizzes, each 15%, including mid-term and final exam
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments				
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation				
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

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

所列英文文献无敏感信息, 同意开课。