

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	古代玉器工艺 Ancient Jade Crafting Technology
2.	授课院系 Originating Department	社会科学中心 Center for Social Sciences
3.	课程编号 Course Code	SS105
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)	温雅棣 WEN Yadi 南方科技大学人文社会科学荣誉学会 Society of Fellows in the Liberal Arts, SUSTech e-mail: wenyd@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

本课程旨在介绍东亚史前玉文化的时空分布，以及玉器工艺技术的变迁。本课程将阐释东亚新石器时代玉文化和亚欧大陆旧石器时代骨角质装饰品传统的关系，并对比亚史前玉文化与中美洲玛雅文化玉器的使用，旨在让学生在更广阔的视野下认识东亚独特玉文化传统的形成和发展过程。

This course aims to introduce the spatiotemporal distribution of prehistoric jades within east Asia, and the transition and transmission of associated jade crafting technology. East Asian Neolithic jades are linked with the deep tradition originated since the Eurasian Upper Palaeolithic personal ornaments made of bones and antlers. Furthermore, East Asian jades are compared with Mesoamerican jades, towards a broader horizon, within which students could understand the characteristics of the formation and development of East Asian jade using cultures.

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：

- 1、对东亚史前玉器及其工艺技术有基础的知识；
- 2、将玉器工艺技术的变化置于文明演进的社会文化背景中理解；
- 3、认识世界各地不同的玉文化；
- 4、了解玉器研究中使用的社会科学方法；
- 5、认识目前玉器工艺技术研究的新方向。

Upon successful completion, students will be able to:

1. Have a fundamental knowledge of prehistoric jades and the associated crafting technologies;
2. Understand the transition of jade crafting technology within the sociocultural contexts of ancient civilization;
3. Be aware of jade using cultures in different regions around the world;
4. Acquire a basic knowledge of the social science methodologies that are used to study ancient jades;
5. Be aware of the new directions in the study of jade crafting technology.

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.)

本课程计划16周完成，每周2学时

第一周 导论

课程目标和要求简介

玉的矿物学定义和文化定义



玉与中国文化
世界各地的玉文化

第二周 玉器工艺技术研究

传统玉器研究方法
玉器工艺技术研究：目的与方法
石器技术研究方法的应用：操作链

第三周 欧亚大陆旧石器时代

装饰品的起源
亚欧大陆旧石器时代装饰品传统
最早的透闪石软玉使用

第四周 新石器时代玉器的起源

小南山——中国境内已知最早的玉器
兴隆洼——影响深远的玉器组合
马家浜、河姆渡

第五周 新时期时代玉器的繁荣

红山文化
良渚文化
凌家滩文化

第六周 新石器时代东北亚远距离交换网络

玉器原料、技术、象征内涵在东北亚范围内的交换
俄罗斯西伯利亚及远东、中国东北、日本

第七周 “礼玉”和王权

随技术发展而出现的器型变化
适应新政治秩序的玉礼器：主要功能由沟通人与神的“灵玉”向世俗功能更强的“礼玉”转变
牙璋及二里头文化的影响

第八周 “玉德”

三代以后的玉器
汉代狮子山楚王墓玉器

第九周 操作链与玉器工艺技术研究

操作链：概念与方法
行为考古学

第十周 切割技术

锯片切割
砂绳切割

第十一周 钻孔技术

辘轳轴承器钻孔
轴心旋截钻孔
不同钻孔体系对应的玉器

第十二周 玉器的琢磨

琢击
磨制
解玉砂

第十三周 玉器的刻画

微刻
浮雕
镂空



第十四周 玉作坊举例

长江下游方家洲遗址
环珠江口白芒遗址

第十五周 技术的组织模式

专业生产
家庭手工业
贵族控制

第十六周 技术的比较研究

中美洲翡翠工艺技术
东亚和中美洲玉器工艺技术的比较
技术选择

Week 1 Introduction

Objectives and requirements of the course
Mineralogical and cultural definition of jade
Jade and Chinese culture
Ancient jade using cultures around the world

Week 2 The study of jade crafting technology

The traditional methodologies of jade study
The study of jade crafting technology: objectives and methodologies
The application of the methodologies originated from the study of lithic technology

Week 3 The Paleolithic Age

The emergence of personal ornaments
Eurasian Upper Paleolithic personal ornaments
The earliest use of nephrite jades

Week 4 The origin of jades in Neolithic time

Xiaonanshan: earliest jades known in China
Xinglongwa: stable assemblage which influenced later jade using cultures
Majiabang, Hemudu

Week 5 Jades flourished in Neolithic China

The Hongshan culture
The Liangzhu culture
The Lingjiatan culture

Week 6 Long-distance exchange within Neolithic Northeast Asia

The exchange of jade raw materials, crafting technologies, and symbolic ideologies
Russian Siberia and Far East, Northeast China, Japan

Week 7 Ritual jades and central power

The transition of jade typologies associated with the development of technology
Jades incorporated into the new established system by shifting its main use from psychic item connecting living beings with supernatural power to mundane ritual vessels
Yazhang and the influence of the Erlitou culture

Week 8 Jades and Virtue after Confucius

Jade after Xia, Shang and Zhou
The transition of color orientation from green to white
Jades from the Shizishan royal tomb of Chu state, Han dynasty

Week 9 Chaine Operatoire

Chaine Operatoire: concept and methodology
Behavioral archaeology

Week 10 Sawing jades

Blade sawing
String sawing

Week 11 Drilling Jades

<p>Stone bearings and rotary machine Carving in circles through jades Different drilling systems and associated jade assemblages</p> <p>Week 12 Pecking and polishing jades Pecking Polishing Abrasives</p> <p>Week 13 Carving jades “Micro-incising” low relief Hollow out</p> <p>Week 14 Ancient jade workshops: case studies Fangjiazhou, lower reach of the Yangtze River Pak Mong, Pearl River Delta</p> <p>Week 15 Technological organization Specialized production Household craftsmanship Elite control</p> <p>Week 16 The comparison of technology Mesoamerican jade crafting technology The comparison of jade crafting technology between East Asia and Mesoamerica Technological choice</p>

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

授课教师将根据每节课的主题提供有针对性的阅读和参考资料

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 unexcused absence of more than 5 times fail.
课堂表现 Class Performance		10%		考察学生是否认真听课及参与课堂讨论的积极性和表现 Participation in discussion and in-class exercises
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		30%		小组专题讨论汇报 Group presentation
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation		50%		按授课教师要求在一定范围内自选题目撰写学期论文 Students are expected to write a paper focusing on a specific topic.



其它（可根据需
要改写以上评估
方式）Others
(The above may
be modified as
necessary)

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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

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