

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	人类演化简史 Human Evolution
2.	授课院系 Originating Department	社会科学中心 Center for Social Sciences
3.	课程编号 Course Code	SS167
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	英文 English
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)	Jennifer Midori Miller 南方科技大学社会科学中心 Center for Social Sciences, SUSTech jmiller@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)	30

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

Specifically, this course aims to:

- broaden students' knowledge of the process of evolution
- cultivate an appreciation for various hominin ancestors
- foster an understanding of past biological and cultural variation, leading to reflexive thinking about present day variations

具体而言，本课程旨在：

拓宽学生对人类演化过程的认识；

培养学生对人类共同祖先的欣赏；

培养学生对过去生物和文明变化的理解，从而能对当今世界的变化进行反思性思考。

16. 预达学习成果 Learning Outcomes

After studying this course, students should:

- become conversant with the collective past and present of our species, based in evolutionary principles
- have an expanded worldview, open-mind, and stronger critical thinking skills
- appreciate the long path to human existence

学习完本课程后，学生预期能够：

根据进化原则，熟悉人类的过去和现在；

拥有更开阔的世界观，开放思想和更强的批判性思维能力；

学会欣赏人类生存、进化和演变的漫长道路。

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.)

Week 1: Introduction (2-credit hours) 引言

- Course introduction: overview of Palaeoanthropology
- Students' self-introduction
- How to search and cite academic resources

Week 2: Evolution: a history of thought (2-credit hours) 人类进化：一部思想史

- Biological inheritance
- Mendel, Darwin
- Natural Selection

Week 3: Evolution: genotypes and phenotypes (2-credit hours) 人类的演化：基因型和表现型

- Evolutionary processes on variation within and between populations
- Modern variation, problematic history
- *In-class exercise 1*

Week 4: Primates: traits (2-credit hours) 灵长类的特征 1

- Human skeletal anatomy
- Primate physiology and locomotion patterns
- *In-class exercise 2*

Week 5: Primates continued: traits (2-credit hours) 灵长类的特征 2

- Comparative morphology, sexual dimorphism
- Ape behaviour, social systems, culture/tool use

Week 6: Earliest hominin (2-credit hours) 最早的人属祖先

- Physical traits of our lineage
- Sahelanthropus, Orrorin, Ardipithecus – are they hominin or not?
- *In-class exercise 3*

Week 7: Australopithecines (2-credit hours) 南方古猿

- Early, robust, gracile
- Locomotion, diet
- Lucy, Laetoli footprints
- Sociality?

Week 8: Early Homo (2-credit hours) 早期人属：能人、匠人、直立人

- The origins of our genus
- Habilis, ergaster, erectus
- Geographic distribution, regional variation
- *Take-home exercise #1 due*

Week 9: Australopithecine or Homo? (2-credit hours) 工具的出现：南方古猿，还是其他人属？

- Earliest tools – lithics, pounding stones
- Cutmarked bones
- Out of Africa
- *In-class exercise 4*

Week 10: Tool technologies (2-credit hours) 工具技术的发展

- Mode 1 and mode 2 technology
- Movable line and bone/bamboo tools
- Homo naledi – questions and controversial science

Week 11: The origin of modern humans (2-credit hours) 现代人类的起源

- Mosaic origin, earliest examples
- Technology, behaviour, geographic range
- *Take-home exercise #2 due*

Week 12: Neanderthals (2-credit hours) 穴居人：尼安德特人

- Morphology, behaviour, geographic range
- Genetic evidence
- Are they us?

Week 13: Denisovans, Floresiensis (2-credit hours) 丹尼索瓦人和弗洛里斯人

- Other recently discovered hominin
- Denisovan identification, genetics, geographic range
- Floresiensis – are they part of our lineage?
- *In-class exercise 5*

Week 14: Hominin in Asia (2-credit hours) 亚洲的人属祖先

- Did H. erectus evolve directly into modern humans in Asia?
- Dragon man – Harbin cranium
- Xiahe mandible

Week 15: The global spread of modern humans (2-credit hours) 走出非洲：现代人类的全球扩张

- Leaving Africa, reaching each continent
- *In-class exercise 6*

Week 16: Final exam (2-credit hours) 期末考试

- No lecture, *in-class exam*

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

Supplementary readings will be provided before class by the instructor.

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		5%		Attendance will be recorded in 5 classes when no exercise or assignment is due, for a total of 5% of the final grade.
课堂表现 Class Performance				

小测验 Quiz			
课程项目 Projects	40%		Two take-home research activities, each worth 20% of the final grade. Students must properly search and cite peer-reviewed sources, resulting in a 1-3 page typed report.
平时作业 Assignments	30%		Six in-class exercises, in total worth 30% of the final grade. Some open-book, some closed; various formats, including short answer questions, multiple choice, fossil cast identifications, etc. Exercises will last 15 to 30 minutes.
期中考试 Mid-Term Test			
期末考试 Final Exam	25%		Final-exam (25% of final grade) written in-class, closed-book, lasts approximately one hour.
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

