

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	科研创新实践 Research and Innovation Practice
2.	授课院系 Originating Department	地球与空间科学系 Department of Earth and Space Sciences
3.	课程编号 Course Code	ESS483
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	实践课程 Practice Course
6.	授课学期 Semester	第一学年后的任何学期 (春季 Spring / 秋季 Fall)
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	<p>该课程的项目指导老师为地空系全体教学科研序列老师 课程协调人: 张伟 邮箱: zhangwei@sustech.edu.cn 电话: 0755-88018787 办公室: 创园 9 栋 303</p> <p>This course will be directed by teachers of Department of Earth and Space Sciences Coordinator: Wei Zhang Email: zhangwei@sustech.edu.cn Tel: 0755-88018787 Office: Innovation Park #9-303</p>
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
			64		64
学时数 Credit Hours					
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	ESS481 科技创新项目 I、ESS482 科技创新项目 II ESS481 Projects of Science and Technology Innovation I and ESS482 Projects of Science and Technology Innovation II				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite					
14. 其它要求修读本课程的学系 Cross-listing Dept.					

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

本课程主要采用学生参与导师科研项目的形式，来强化学生的科研能力、提升创新创业素质。

This course strengthens students' scientific research capabilities and enhances their innovation and entrepreneurial qualities through the participation of students in tutor research projects.

16. 预达学习成果 Learning Outcomes

学生的科研能力得到强化，提升创新创业素质。

The scientific research ability of students has been strengthened, and the quality of innovation and entrepreneurship has been improved.

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.)

本课程可以选择在任何一个学期开始项目，在完成项目的学期选课。学生在导师的指导下完成一项科研任务，完成规范、完整的项目结题报告，并通过系教学指导委员会答辩评审。本课程不做必修要求，主要面向热爱科研与创新的学生。

You can choose any semester to start this course, and apply for credits in the completed semester. You should complete a scientific research task under your tutor, finish the project report, and pass the defense organized by the Departmental Teaching Steering Committee. This is a Major Elective Course, mainly for students who love scientific research and innovation.

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

无。

NA.

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				
课堂表现 Class Performance				
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		40		

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)**

答辩	60		

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

地球与空间科学系教学指导委员会

Undergraduate Teaching Steering Committee of the Department of Earth and Space Sciences