

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	毕业论文（设计） Thesis(Graduation Project)
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	ESS490
4.	课程学分 Credit Value	8
5.	课程类别 Course Type	实践课程 Practice Course
6.	授课学期 Semester	春季 Spring
7.	授课语言 Teaching Language	中英双语 English & 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)	毕业论文（设计）工作领导小组组长：张伟 邮箱：zhangwei@sustech.edu.cn 电话：0755-88018787 办公室：创园9栋303 Leader of the Thesis(Graduation Project) Work Group: Wei Zhang Email: zhangwei@sustech.edu.cn Tel: 0755-88018787 Office: Innovation Park #9-303
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			256		256
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					
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

本课程旨在培养学生具有综合运用基础理论、专业知识和基本技能，分析与解决问题，理论联系实际的能力，使学生获得从事实际工作所必需的基本训练和进行科学研究工作的初步能力，为毕业后的职业发展或进一步深造做准备。

This course aims to develop students' ability to comprehensively apply basic theories, professional knowledge and basic skills, analyze and solve problems, and connect theory with practice, provide students with the basic skills necessary for basic training and scientific research necessary for practical work, and prepare for post-graduation career development or further study.

16. 预达学习成果 Learning Outcomes

学生完成课程后，将提升以下能力：

1. 调查研究、查阅和分析应用中外文献及获取网络信息的能力；
2. 进行理论分析、制定设计方案和实验方案的能力；
3. 开展理论和/或实验研究，采集及处理论据和数据的能力；
4. 综合分析、凝练创新、概括总结的能力；
5. 撰写论文、调研报告的能力；
6. 外语、计算机应用的能力。

Upon completion of the course, students will develop the following abilities:

1. Investigate, review, and analyze the ability to apply Chinese and foreign literature and access to network information;
2. Ability to conduct theoretical analysis, develop design plans and experimental plans;
3. Carry out theoretical and / or experimental research, the ability to collect and process arguments and data;
4. Comprehensive analysis, condensing innovation, and summarizing the ability;

5. Ability to write papers and research reports;
6. Foreign language, computer application ability.

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.)

一、动员

本学年第一学期 9 月-10 月，成立毕业设计（论文）工作领导小组，开展动员会，组织师生学习有关规定和要求，计划和布置总体工作；

二、选题

本学年第一学期 10 月，安排指导教师，公布选题，组织学生开展选题工作；

三、审题

本学年第一学期 11 月，组织开展审题工作，指导教师填写任务书；

四、开题

本学年第一学期 12 月，向学生下达任务书，制定工作计划，完成开题；

五、论文撰写（256 学时）

本学年第二学期 2-5 月，学生在导师指导下完成毕业论文（设计）撰写，包括中期检查、评阅、答辩及成绩评定。

1、中期检查

本学年第二学期 4 月，开展中期检查工作，着重检查学风、进度和教师指导情况，广泛听取师生意见，对存在问题采取改进措施；

2、评阅、答辩及成绩评定

本学年第二学期 5 月，成立答辩委员会，审核学生答辩资格，评阅学生提交的论文，组织论文答辩，完成成绩评定。

1 Mobilize

In the first semester of the school year, from September to October, a graduation design (thesis) work leading group will be set up to carry out the mobilization meeting, organize teachers and students to learn relevant regulations and requirements, plan and arrange the overall work.

2 Select topics

In the first semester of the school year, the instructor will be arranged to announce the topic and organize the students to carry out the topic selection work;

3 Determine topics

In the first semester of the school year, the organization will carry out the examination work and instruct the teachers to fill in the task book;

4 Open proposals

In the first semester of the school year, in December, the task book was issued to the students, and the work plan was

formulated to complete the opening of the project;

5 Write thesis (256hours)

In the second semester of the school year, students complete the graduation thesis (project) under the guidance of the instructor, including mid-term inspection, review, defense and performance evaluation.

(1) Mid-term inspection

In the second semester of the school year, the mid-term inspection work was carried out, focusing on the study style, progress and teacher guidance, listening to the opinions of teachers and students, and taking measures to improve the existing problems;

(2) Review, reply and score assessment

In the second semester of the school year, a defense committee was set up to review the student's essay quest, review the papers submitted by the students, organize the essay defense, and complete the grade assessment.

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 Final Presentation				
其它（可根据需要 改写以上评估方式）		100%		平时表现：10% 论文：60% 答辩：30%

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

地球与空间科学系本科教学指导委员会

