

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	生产实习 Fieldwork
2.	授课院系 Originating Department	海洋科学与工程系 Department of Ocean Science and Engineering
3.	课程编号 Course Code	OCE474
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	专业核心课 Major Core Course
6.	授课学期 Semester	夏季 Summer
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)	陈建飞, 海洋科学与工程系 Prof. Jian Fei Chen Department of Ocean Sciences and Engineering 宋光铃, 海洋科学与工程系 Prof. Guang Ling Song Department of Ocean Sciences and Engineering 林观, 海洋科学与工程系 Prof. Guan Lin Department of Ocean Sciences and Engineering
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	待公布 To be announced
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	15

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			64		64
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	无				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	无				
14. 其它要求修读本课程的学系 Cross-listing Dept.	无				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

帮助学生了解海洋工程与技术专业相关的企业、项目、分工、专业应用、前景、将来的工作环境等。有助于学生了解实际海洋工程和海洋技术在实际工程中的应用，加深学生对于将来从事工作的认识，是培养计划中重要课程，帮助学生进行未来的职业规划。

Through an intensive 15~30-day stay in various companies and sites, the students will gain hands-on experience in the ocean engineering and technology related industry, and understand enterprises, projects, tasks of various jobs, professional applications and prospects related to Ocean Engineering and Technology. This is an important course in the training programme to help students understand ocean engineering practice and the applications of marine technology in the real world, deepen their understanding of their future profession, and help them to plan their future career.

16. 预达学习成果 Learning Outcomes

完成本课程后学生们将基本了解 At the successful completion of this course, students will have a basic understanding of:

- ① 海洋工程与技术的范畴及其核心工程技术问题 The scope and core aspects of Ocean Engineering and Technology.
- ② 海洋油气田开发方案研究与设计，海洋石油生产平台的设计和建造，采油工艺技术研究及工程方案设计。 Study and design of offshore oil and gas field exploration, design and construction of offshore oil production platforms, research and design of oil production schemes.
- ③ 研发与测试无人船艇相关的装备总体设计技术和智能控制技术，无人船艇的典型应用场景。 Research and development of design and control techniques related to unmanned ships, typical applications of unmanned ships.
- ④ 海洋土木工程和海洋桥梁工程 Marine civil engineering and bridge engineering.
- ⑤ 海洋风电关键技术（如超长超柔叶片技术、支撑结构设计技术、智能运维技术等）及风电项目经济性论证方法 Key techniques of offshore wind power generation and assessment of economics of offshore wind power projects.
- ⑥ 海洋水文、海洋气象调查研究、海岸工程动力应用研究、海洋地质调查研究和海洋工程地质勘察、物

探、工程测量等 marine hydrography, marine meteorology, coastal engineering, marine geological survey, ocean engineering geological exploration, geophysical prospecting and engineering surveying.

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.)

在与海洋工程与技术专业相关的单位开展为期至少两周的实习。学生可自主联系实习单位，但须得到授课教师同意。实习结束提交材料包括：（a）实习日记（含每日业界导师签字）；（b）业界导师评价表；（c）实习报告。

To undertake an internship of at least two weeks in an institute related to ocean engineering and technology. Students may contact the institute themselves, subject to the consent of the instructor(s). The materials to be submitted at the end of the internship include: (a) internship diary (including daily signature of the industry advisor); (b) evaluation form of the industry advisor; (c) internship report.

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

无
None

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		
课堂表现 Class Performance		10		
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 Project report		80		
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

海洋科学与工程系本科教学委员会
Department of Ocean Science and Engineering Undergraduate Committee

