

海洋科学趣谈（OCE204）课程大纲

2018 秋季学期——2021 春季学期..... 2

2021 秋季学期起..... 7

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	海洋科学趣谈 The Taste of Ocean
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	OCE204
4.	课程学分 Credit Value	1
5.	课程类别 Course Type	专业选修课 Elective Course
6.	授课学期 Semester	秋季学期 (Fall)
7.	授课语言 Teaching Language	双语授课 (Bilingual teaching)
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)	张传伦 海洋科学与工程系 创园 9 栋 601 0755-88018785 Prof. Chuanlun Zhang Department of Ocean Sciences and Engineering Wisdom Valley-6-301 0755-88018785
9.	实验员/助教、所属学系、联系方式 (请列出本课所有教辅人员) Tutor/TA(s), Contact (Please list all)	范陆 前沿与交叉技术科学研究院 慧园 6 栋 303 0755-88018796 Dr. Lu Fan Academy for Advanced Interdisciplinary Studies - Ocean-X Wisdom Valley-6-303 0755-88018796
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	16	0	0	0	16

12.	先修课程、其它学习要求 Pre-requisites or Other Academic Requirements					
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	<p>帮助学生了解海洋科学发展史、激励学生对海洋科学的热爱。 Help students to learn the history of ocean sciences and inspire them to be devoted to ocean science research.</p>				
16.	预达学习成果 Learning Outcomes	<p>能力方面：具有自主学习的能力和终身学习的意识；具有获取有关专业信息的能力，掌握中外文资料查询、文献检索及运用现代信息技术获取和表达信息的基本方法；具有不断学习和适应社会发展的能力。</p> <p>知识方面：系统掌握海洋科学的基本理论、基本知识和基本技能，了解海洋科学的知识体系和发展趋势；了解海洋科学的前沿发展现状和趋势。掌握一门外国语及基本的信息技术；具备一定的人文和社会科学知识。</p> <p>The students will gain the ability of self-motivated study for their life-time; They are able to obtain the international scientific references, papers using modern information technology, and have the potential of continuous study and adaptation to the development of the society.</p> <p>They master basic theories and skills of Oceanography, understand the knowledge, frontiers and development trends in Oceanography. They master a foreign language, basic information and technology, and obtain certain background in humanities and social sciences.</p>				
17.	课程内容及教学日历（语言与授课语言一致，例：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. In consistency with instructional language. Please notify name of instructor for course section(s), if this is a team teaching or module course.)					

1. 海洋科学的主要推动者 (2 学时)

The giants in ocean sciences (2 hours)

海洋科学概述，人类对海洋认知过程，世界著名海洋研究机构与科学家

Overview of ocean science, humans and the sea, top marine research institutes and scientists worldwide.

2. 海洋科学发展大事纪 (2 学时)

Major events in ocean science history (2 hours)

大航海时代（地理大发现），18 世纪的海洋考察，海洋科学与地球科学的融合发展

geography discovery, ocean expedition in 18th century, the integration of ocean science and earth science.shiba

3. 海洋文化发展史 (2 学时)

The ocean culture (2 hours)

海洋文化内容，海洋文化与大陆文化的关系

Conception of ocean culture, Interaction of mainland and marine culture

4. 海洋与神话传说 (2 学时)

The Ocean and the legends (2 hours)

典型的海洋神话，东西方海洋文化传说的比较与差异

Representative ocean legends, comparison of eastern and western ocean legends.

5. 海洋与科幻 (2 学时)

Fiction stories about the ocean (2 hours)

海洋科幻小说与电影，科幻与海洋科技

Science fiction in literature and film, inspiration from Sci-Fic and the development of marine science and technology

6. 地震与海啸 (2 学时)

Earthquakes and tsunamis (2 hours)

海底地震与海啸概述，形成与影响

	<p>Overview of submarine earthquake and tsunami, formation and impact</p> <p>7. 个人出海贻闻乐事 (2 学时)</p> <p>tell your own cruise stories (2 hour)</p> <p>出海前的准备, 行程概览, 美景展示, 故事体会</p> <p>Preparation, log, view display, experience</p> <p>8. 中国海洋科学发展展望 (2 学时)</p> <p>perspectives for Chinese ocean sciences (2 hours)</p> <p>主要科研机构及方向, 优势与不足, 学科发展规划</p> <p>Institutions and research directions, advantages and disadvantages, trend of development</p>
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18. 教材及其它参考资料 **Textbook and Supplementary Readings**

	<ol style="list-style-type: none"> Christiane Groeben, ed., Places, People, Tools: Oceanography in the Mediterranean and Beyond. Proceedings of the Eighth International Congress for the History of Oceanography (Stazione Zoologica Anton Dohrn, 2013). Hamon B V. MargaretDeaconScientists and the sea 1650 – 1900. A study of marine science1971Academic PressLondon and New York445£5.50[J]. Deep-Sea Research and Oceanographic Abstracts, 1973, 20(5):505-506. Essentials of Oceanography, 11th Edition. Alan P. Trujillo, Palomar College. Harold V. Thurman, Mt. San Antonio Community College, California. ISBN-13: 9780321814050
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教学评估 ASSESSMENT					
19.	评估形式 Type of Assessment	评估所需时间 Duration	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
	出勤 Attendance		0		
	课堂表现 Week Performance		0		
	小测验 Quiz		0		
	课程项目 Projects		0		
	平时作业 Assignments		30		

期中考试 Mid-Term Test		25		
期末考试 Final Exam		30		
期末报告 Final Presentation		15		
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
	<input type="checkbox"/> A. 十三级等级制 Letter Grading <input checked="" type="checkbox"/> 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

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1. 海洋科学的主要推动者 (2 学时)
 - a) The giants in ocean sciences (2 hours)
 - b) 海洋科学概述, 人类对海洋认知过程, 世界著名海洋研究机构与科学家
 - c) Overview of ocean science, humans and the sea, top marine research institutes and scientists worldwide.
2. 海洋科学发展大事纪 (2 学时)
 - a) Major events in ocean science history (2 hours)
 - b) 大航海时代 (地理大发现), 18 世纪的海洋考察, 海洋科学与地球科学的融合发展
 - c) geography discovery, ocean expedition in 18th century, the integration of ocean science and earth science.shiba
3. 海洋文化发展史 (2 学时)
 - a) The ocean culture (2 hours)
 - b) 海洋文化内容, 海洋文化与大陆文化的关系
 - c) Conception of ocean culture, Interaction of mainland and marine culture
4. 海洋与神话传说 (2 学时)
 - a) The Ocean and the legends (2 hours)
 - b) 典型的海洋神话, 东西方海洋文化传说的比较与差异
 - c) Representative ocean legends, comparison of eastern and western ocean legends.
5. 海洋与科幻 (2 学时)
 - a) Fiction stories about the ocean (2 hours)
 - b) 海洋科幻小说与电影, 科幻与海洋科技
 - c) Science fiction in literature and film, inspiration from Sci-Fic and the development of marine science and technology
6. 6 地震与海啸 (2 学时)
 - a) Earthquakes and tsunamis (2 hours)
 - b) 海底地震与海啸概述, 形成与影响

- c) Overview of submarine earthquake and tsunami, formation and impact
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教学评估 ASSESSMENT

19.	评估形式 Type of Assessment	评估所需时间 Duration	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
	出勤 Attendance		0		
	课堂表现 Week Performance		0		
	小测验 Quiz		0		
	课程项目 Projects		0		
	平时作业 Assignments		40		

期中考试 Mid-Term Test		0		
期末考试 Final Exam		0		
期末报告 Final Presentation		60		
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
	<input checked="" type="checkbox"/> A. 十三级等级制 Letter Grading <input type="checkbox"/> B. 二级记分制（通过/不通过） Pass/Fail Grading

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