

课程大纲 COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	科学写作&交流 Scientific Writing & Communication
2.	课程性质 Compulsory/Elective	生物医学研究生必修 Compulsory
3.	课程学分/学时 Course Credit/Hours	2/32 (2 credits, 36 hours)
4.	授课语言 Teaching Language	英文 English
5.	授课教师 Instructor(s)	饶海
6.	是否面向本科生开放 Open to undergraduates or not	否 No
7.	先修要求 Pre-requisites	无 No
8.	教学目标 Course Objectives	
	<p>我们面向生物医学的研究生（硕士和博士）教授培养科学写作和交流全方位的能力。研究生将能够写出流畅，清晰，有逻辑性的科学论文；做优秀的科学演讲和墙报。</p> <p>This course aims to teach graduate students (both Master and Ph.D. levels) in bio-medicine how to write scientific manuscripts and communicate to broad audience effectively. Students will be able to write scientific papers with logic and clarity. They will have multiple opportunities, both individually and in groups, to present their own thinking and ideas in writing and orally to the class for critique.</p>	
9.	教学方法 Teaching Methods	
	<p>本课程 16 周，每周一节课 2 小时。老师讲述相关理论及事项，学生有多个机会通过写作以及演讲将学到的知识在课堂上应用，老师和同学将一起讲评及讨论。</p> <p>The class will last 16 weeks with 2 hours per week. The faculty member will discuss relevant theory, model and related issues. Students will have ample opportunity to write and present to the class what they have learned for critique by students and faculty.</p>	
10.	教学内容 Course Contents	
	<p>（如面向本科生开放，请注明区分内容。 If the course is open to undergraduates, please indicate the difference.）</p>	
	Section 1	课程介绍及研究伦理 Course Introduction and Research Ethics
	Section 2	如何批评性的阅读科学论文（有课外作业）How to read paper critically
	Section 3	如何科学选题及探索 How to identify and explore interesting scientific ideas.
	Section 4	如何做墙报，以及学术报告 How to present your work orally or in poster
	Section 5	科学论文阅读讲评 section 2 作业 Review the homework related to scientific reading

Section 6	在学术期刊发表文章 (publish) How to publish in SCI journals
Section 7	如何写论文摘要 abstract (有课外作业) How to write abstracts
Section 8	如何写论文介绍, 结果 How to write introduction and results sections
Section 9	如何写论文讨论, 方法部分 How to write discussion and methods sections
Section 10	论文摘要 abstract 讲评 section 7 作业 Review the homework related to abstract writing
Section 12	如何审理科学论文 (review) How to review scientific papers
Section 13	如何申请基金 – 重点在具体目标 specific aims. How to write grant application with emphasis on specific aims.
Section 14	
Section 15	基金写作的关键以及准备模式 logic model. Keys to grant application and preparation
Section 16	学生课题 (模拟) 演讲 I. Student Presentation I
	学生课题 (模拟) 演讲 II. Student Presentation II
11. 课程考核 Course Assessment	
	课程考核方式通过学生的写作及演讲的表现来综合评估。 Grading is based on the student's comprehensive performance in writing, discussion and presentation.
12. 教材及其它参考资料 Textbook and Supplementary Readings	
	老师准备相关材料, 无专用教材, 但将提供主要参考文献等。 Although no specific textbook will be assigned, the faculty member will provide relevant reading materials and references.