

研究生课程教学大纲 (Syllabus)

课程代码 Course Code	PHY6009	*学时 Teaching Hours	32	*学分 Credits	2
*课程名称 Course Name	学术写作、规范与伦理 Scientific writing, integrity and ethics				
*授课语言 Instruction Language	英文				
*开课院系 School	物理与天文学院				
先修课程 Prerequisite					
授课教师 Instructors	姓名 Name	职称 Title	单位 Department	联系方式 E-mail	
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*课程简介 (中文) Course Description	<p>《学术写作、规范与伦理》课程是一门全面、深入的学术写作教程，旨在通过系统讲解和实践训练，帮助研究生在写作英语学术论文的过程中更好地理解其主要结构和技巧，以及相关规范和伦理要求。课程内容包括但不限于以下几个部分：</p> <ul style="list-style-type: none"> • 学术英语写作的各个组成部分：我们将深入探讨题目、摘要、引言、图表、方法、结论等部分的撰写要求和规范、伦理。 • 英语语言运用：学习如何恰当地使用英语来表述研究内容、方法、结果等。 • 学术论文的投稿过程：我们将介绍如何选择合适的期刊、如何进行稿件提交等。 • 实践和案例分析：我们将结合具体案例，进行实际操练，使学生能够在实践中掌握理论知识。 <p>本课程的目标是通过以上内容，帮助学生形成系统化的学术英语写作技能，并为他们的毕业论文写作及未来的学术研究打下坚实的基础。本课程将深入讲授学术论文各个部分的写作方法和策略，并且通过课堂实践和课后作业的方式提高学生的英语写作技巧和能力。</p>				
*课程简介 (English) Course Description	<p>The " Scientific writing, integrity and ethics " course is a comprehensive and in-depth academic writing tutorial, aiming to help graduate students better understand the core structure, skills, and relevant standards of English academic paper writing through systematic explanations and practical training, and relevant norms and ethical requirements. The course content includes but is not limited to the following parts:</p> <ul style="list-style-type: none"> • Components of academic English writing: We will delve into the writing requirements and norms for various parts such as the title, abstract, introduction, charts, methodology, conclusion and ethics. 				

	<ul style="list-style-type: none"> • English language usage: Learning how to properly use English to express research content, methods, results, etc. • Submission process of academic papers: We will introduce how to choose appropriate journals and how to submit manuscripts. • Practice and case analysis: We will combine specific cases for practical operation training, enabling students to master theoretical knowledge in practice. <p>The goal of this course is to help students form systematic academic English writing skills through the above content and lay a solid foundation for their thesis writing and future academic research. This course will deeply explain the writing methods and strategies of various parts of academic papers and improve students' English writing skills and abilities through classroom practice and after-class homework.</p>				
*教学安排 Schedules	周次 Week	教学内容 Content	授课学时 Hours	教学方式 Format	授课教师 Instructor
	1	学术写作和学术论文导论 <ul style="list-style-type: none"> • 研究论文的量化标准: SCI 期刊, 期刊影响因子; • 学术伦理及规范要求 Introduction to Academic Writing and Academic Papers <ul style="list-style-type: none"> • Quantitative standards for research papers: SCI journals, journal impact factors; • Academic integrity and Normative Requirements 	4	课堂教学 Lecture	
	2	优秀论文和从优秀论文中学习 <ul style="list-style-type: none"> • 论文的形式; 各种各样的学术期刊; 论文的基本条件。 • 如何系统性的阅读文献和做笔记? • 文献搜索和管理 Learning from Excellent Papers <ul style="list-style-type: none"> • Paper format; Various academic journals; Basic conditions for papers. • How to systematically read literature and take notes? • Literature search and management 	2	课堂教学 Lecture	
	3	学术论文从投稿到录用 <ul style="list-style-type: none"> • 如何选择 SCI 期刊? • 如何向 SCI 期刊投稿? • SCI 论文审稿过程 From Submission to Acceptance of Academic Papers <ul style="list-style-type: none"> • How to choose an SCI journal? • How to submit to an SCI journal? • Review process of SCI papers 	2	课堂教学 Lecture	
	4	论文撰写: 从基础到实践 <ul style="list-style-type: none"> • 如何系统性的撰写学术论文? 	20	课堂教学 Lecture	

		<ul style="list-style-type: none"> • 如何收集论文写作材料? • 论文写作第一步: 如何撰写论文简介和章节大纲? • 如何以章节大纲作为起点完善每个章节 • 如何撰写学术论文标题? • 如何署名、单位名称和地址? • 如何撰写论文摘要和关键词? • 如何撰写论文引言章节? • 如何撰写论文的方法和实验材料章节? • 如何撰写论文的研究结果章节? • 如何正确表达论文中的图和表? • 如何撰写论文的讨论、总结和致谢章节? • 如何引用参考文献? • 如何选用附录? <p>Paper Writing: From Basics to Practice</p> <ul style="list-style-type: none"> • How to systematically write academic papers? • How to collect materials for paper writing? • First step in paper writing: How to write a paper introduction and chapter outlines? • How to enhance each chapter starting from the chapter outline? • How to write academic paper titles? • How to indicate authorship, institution names, and addresses? • How to write abstracts and keywords for papers? • How to write the introduction section of a paper? • How to write the methods and experimental materials section of a paper? • How to write the research results section of a paper? • How to correctly present figures and tables in the paper? • How to write the discussion, conclusion, and acknowledgments sections of a paper? 			
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		<ul style="list-style-type: none"> • How to cite references? • How to choose appendices? 			
	5	一些英语写作的语言技巧 Some English Writing Language Skills	2	课堂教学 Lecture	
	6	如何正确对待审稿意见和修改论文 样稿? How to Properly Treat Review Comments and Revise Paper Proofs?	2	课堂教学 Lecture	
*考核方式 Grading Policy	随堂测试 (50%) 课后作业 (50%) 注: 缺勤 (含请假) 不能达到或者超过 3 次 In-class quizzes (50%) Homework assignments (50%) Note: Absences (including approved leaves) cannot reach or exceed 3 times.				
*教材或参考 资料 Textbooks & References	参考书籍: 1) 如何撰写和发表SCI期刊论文 2) 国际权威学术期刊主编指导—如何撰写发表高质量的科研论文, 3) 如何指导博士生学术写作: 给导师的教学法 网站资料: 1) 苏黎世联邦理工学院, Scientific Writing at ETH Zurich讲座系列 https://library.ethz.ch/en/researching-and-publishing/scientific-writing-at-eth-zurich.html 2) Nature Master Classes, 科学论文写作与发表在线课程 https://www.naturemasterclassesonline.cn/online-scientific-writing-and-publishing/19093796 Reference Books: 1) How to Write and Publish SCI Journal Papers 2) International Authoritative Academic Journal Editor's Guide - How to Write and Publish High-Quality Scientific Research Papers 3) How to Guide Doctoral Students in Academic Writing: A Teaching Method for Supervisors Website Materials: 1) ETH Zurich, Lecture Series on "Scientific Writing at ETH Zurich" https://library.ethz.ch/en/researching-and-publishing/scientific-writing-at-eth-zurich.html 2) Nature Master Classes, Online Course on Scientific Writing and Publishing https://www.naturemasterclassesonline.cn/online-scientific-writing-and-publishing/19093796				
备注 Notes	限第二学年春季学期方能修读, 小班化教学。				

备注说明:

1. 带*内容为必填项;
2. 课程简介字数为 300-500 字; 教学内容、进度安排等以表述清楚教学安排为宜, 字数不限。