

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优化之后产生变动。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	Scientific Writing 科技英语写作
2.	授课院系 Originating Department	语言中心 Center for Language Education
3.	课程编号 Course Code	CLE026
4.	课程学分 Credit Value	2
5.	课程类别 Course Type	通识选修课程 General Education (GE) Elective Courses
6.	授课学期 Semester	春季 Spring / 夏季 Summer / 秋季 Fall
7.	授课语言 Teaching Language	英文 English
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)	Qing Liu, PhD Email: liuq@sustech.edu.cn
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 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	32	0	0	0	32
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	CLE030 EAP				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite	N/A				
14. 其它要求修读本课程的学系 Cross-listing Dept.	N/A				

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

This course aims to demystify the writing process of scientific writing and introduce the fundamentals of effective scientific writing. The course will be presented in three parts: part (1) teaches students the fundamentals of scientific writing, part (2) teaches students how to write different parts of a scientific manuscript, and part (3) teaches students how to improve scientific manuscripts. Instructions will focus on the process of writing. In this course, participants will also learn how to analyse and summarize and be taken through the preparation of an actual scientific manuscript. Students taking this course will be asked to complete some short writing and produce a scientific paper.

16. 预达学习成果 Learning Outcomes

By the end of the course, students will be able to:

- Know the fundamentals of good scientific writing by analysing published articles
- Analyse, review and summarize scientific papers effectively
- Enhance their revision skills and write stronger paragraphs with improved logic and organization
- Present data effectively and write text that complements a table or figure
- Develop effective self-editing strategies to improve their manuscripts and provide feedback to peers
- Produce a complete scientific manuscript that conforms to the rules and format in a specific discipline

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.)

Schedule	Date	Lesson Topic
Lesson 1		Introduction -Course goal -Weekly topics -Logistics -Key terms
Lesson 2		Analysing scientific writing (part 1) - Analysing journal articles - Text examination and analysis -Discussion & writing exercise
Lesson 3		Analysing scientific writing (part 2) -Studying feature articles -Assignment 1: Analysis an abstract
Lesson 4		How to summarize & improve summarization -Getting to the main points -Summarizing exercises -Discussion
Lesson 5		Planning a scientific manuscript -Principles of scientific writing -Significance of scientific writing -IMRAD model
Lesson 6		Writing a scientific manuscript (1) -How to write an introduction -How to write a discussion
Lesson 7		Writing a scientific manuscript (2) -How to present data effectively _Presenting data in different ways -Assignment 2
Lesson 8		Revising the manuscripts (1) -How to write effectively, concisely

		-Peer revision -Writing exercise
Lesson 9		Revising the manuscripts (2) -Paragraphs, logic, organization
Lesson 10		Editing and refining a manuscript (1) -Sentences, sentence structure -Assignment 3
Lesson 11		The lexicon of scientific writing -Word choice -Context-specific vocabulary for scientific writing -Writing exercise
Lesson 12		Editing and refining a manuscript (2) -Punctuations, mechanics, format -Assignment 4
Lesson 13		How to write an abstract -Assignment 5
Lesson 14		Peer review -Group discussion -Writing exercise
Lesson 15		Wrap-up & Submit -Prepare a final draft for submission -Submission issues -Discussion
Exam week		No class -Final draft due

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

Course materials will be provided during class time

Recommended Reading

Angelika H. Hofmann. *Scientific Writing and Communication: Papers, proposals, and presentations* (3rd edition). Oxford University press

William Strunk, Jr & Elwyn B. White. *The Elements of Style*. Macmillan

Vernon Booth. *Communicating in Science: Writing a Scientific Paper and Speaking at Scientific Meeting*. Cambridge

Publishing.

Day, R. A. & Gastel, B. 2006. *How to write and publish a scientific paper* (6th edition). Cambridge University Press, Cambridge.

Jen T. Yang & Jenet N. Yang. *An Outline of Scientific Writing: For Researchers with English As a Foreign Language*. World Scientific Publishing.

"The Science of Scientific Writing" by George D. Gopen and Judith A. Swan, *American Scientist* (1990) vol 78: 550-558. Will distribute in class: also Available at <http://www.americanscientist.org/>

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		10		Class notes
小测验 Quiz				
课程项目 Projects				
平时作业 Assignments		60		5 assignments
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation		30		Final project
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

- A. 十三级等级制 Letter Grading
 B. 二级记分制 (通过/不通过) Pass/Fail Grading

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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

Center for Language Education

