

科目ナンバリング		U-LAS20 10006 SE48							
授業科目名 <英訳>	Scientific English IA (Reading and Writing)				担当者所属 職名・氏名	工学研究科 准教授 CHANG, Kai-Chun			
	Scientific English IA (Reading and Writing)								
群	外国語科目群			分野(分類)				使用言語	英語
旧群	C群	単位数	4単位	週コマ数	1コマ	授業形態	演習(外国語)(対面授業科目)		
開講年度・ 開講期	2026・通年		曜時限	月4		配当学年	主として1回生	対象学生	理系向
[授業の概要・目的]									
This course focuses on the two major aspects of scientific English: reading and writing scientific papers. The reading component enhances science and engineering students' ability to comprehend scientific papers. The writing component assists students in structuring and producing effective scientific papers.									
[到達目標]									
* To understand the standard structure of scientific papers. * To write well-structured and scientifically logic articles.									
[授業計画と内容]									
[1st Semester]									
1. Introduction to the course & level test. [1 week] (Lecture)									
2. Reading scientific/technical articles; skimming reading & group discussion [2 weeks] (Exercise)									
3. Structure of scientific articles: overview [1 week] (Lecture)									
4. Building and testing a model: Introduction [2 weeks] (Lecture + Exercise)									
5. Building and testing a model: Methodology [2 weeks] (Lecture + Exercise)									
6. Building and testing a model: Results [2 weeks] (Lecture + Exercise)									
7. Building and testing a model: Discussion/Conclusion [2 weeks] (Lecture + Exercise)									
8. Building and testing a model: Abstract [2 weeks] (Lecture + Exercise)									
9. Feedback [1 week]									
[2nd Semester]									
1. Introduction and Review [1 week] (Lecture)									
2. The structure of scientific papers; basic rules for scientific papers [1 week] (Lecture)									
3. Writing and peer reviewing an Introduction section [2 weeks] (Lecture + Exercise)									
4. Writing and peer reviewing a Methodology section [2 weeks] (Lecture + Exercise)									
5. Writing and peer reviewing a Results section [2 weeks] (Lecture + Exercise)									
6. Writing and peer reviewing a Discussion/Conclusion section [2 weeks] (Lecture + Exercise)									
7. Writing and peer reviewing an Abstract [2 weeks] (Lecture + Exercise)									
8. Miscellaneous: authors, tables, figures, acknowledgements, references, etc. [2 weeks] (Lecture)									
9. Feedback [1 week]									
[履修要件]									
特になし									
Scientific English IA (Reading and Writing)(2)へ続く									

Scientific English IA (Reading and Writing)(2)

[成績評価の方法・観点]

Class participation/presentation (30%); assignments/reports (70%)

[教科書]

使用しない

Handouts distributed in class or uploaded to the LMS course site

[参考書等]

(参考書)

Björn Gustavii 『How to write and illustrate a scientific paper, 2nd Ed.』 (Cambridge University Press, 2008) ISBN:978-0521703932

Hilary Glasman-Deal 『Science Research Writing for Non-Native Speakers of English』 (Imperial College Press, 2010)

[授業外学修(予習・復習)等]

Students are expected to read 10 or more scientific/technical articles and to write 5 or more articles.

[その他(オフィスアワー等)]

Any inquiry to the instructor: chang.kaichun.4z{at}kyoto-u.ac.jp. (replace {at} with @)

[主要授業科目(学部・学科名)]