

科目ナンバリング											
授業科目名 ＜英訳＞	Scientific English IA (Reading and Writing) 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				
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	2025・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 offers two major topics for scientific English: reading and writing of scientific papers. For reading, this course aims at improving science students' ability to read and understand scientific papers. For writing, this course trains students to write well-structured scientific papers.											
【到達目標】											
To understand the structure of scientific papers. To be able to write 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)											
[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] (Exercise)											
4. Writing and peer reviewing a Methodology section [2 weeks] (Exercise)											
5. Writing and peer reviewing a Results section [2 weeks] (Exercise)											
6. Writing and peer reviewing a Discussion/Conclusion section [2 weeks] (Exercise)											
7. Writing and peer reviewing an Abstract [2 weeks] (Exercise)											
8. Miscellaneous: authors, tables, figures, acknowledgements, references, etc. [2 weeks] (Lecture)											
【履修要件】											
特になし											
【成績評価の方法・観点】											
Class participation/presentation (30%); assignments/reports (70%)											
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Scientific English IA (Reading and Writing)(2)

【教科書】

使用しない

Handouts distributed in class or uploaded to Panda

【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 at least 10 scientific/technical articles and to write at least 5 articles.

【その他 (オフィスアワー等) 】

Credit is "2" for students who enrolled earlier than 2016. New credit, which is 4, is applied to students who enrolled in 2016 or later.

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) 】