

<b>Course number</b>		U-LAS20 10006 SE48					
<b>Course title (and course title in English)</b>	Scientific English IA (Reading and Writing)			<b>Instructor's name, job title, and department of affiliation</b>	Graduate School of Engineering Associate Professor, Chang, Kai-Chun		
	Scientific English IA (Reading and Writing)						
<b>Group</b>	Languages			<b>Field(Classification)</b>			
<b>Language of instruction</b>	English			<b>Old group</b>	Group C		<b>Number of credits</b> 4
<b>Number of weekly time blocks</b>	1	<b>Class style</b>	Seminar (Foreign language) (Face-to-face course)		<b>Year/semesters</b>	2024 • Year-round	
<b>Days and periods</b>	Mon.4		<b>Target year</b>	Mainly 1st year students		<b>Eligible students</b>	For science students
<b>[Overview and purpose of the course]</b>							
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.							
<b>[Course objectives]</b>							
To understand the structure of scientific papers. To be able to write scientifically logic articles.							
<b>[Course schedule and contents)]</b>							
[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] (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)							
9. Feedback [1 week]							
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Continue to Scientific English IA (Reading and Writing)(2)							

Scientific English IA (Reading and Writing)(2)

**[Course requirements]**

None

**[Evaluation methods and policy]**

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

**[Textbooks]**

Not used

Handouts distributed in class or uploaded to Panda

**[References, etc.]**

**( References, etc. )**

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 )

**[Study outside of class (preparation and review)]**

Students are expected to read at least 10 scientific/technical articles and to write at least 5 articles.

**[Other information (office hours, etc.)]**

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 @)