科目ナンバリング	U-LAS51 10014 SB48				
授業科目名<英訳>	科学コミュニケーションの基礎と実践（薬・英）A-E3 Theory and Practice in Scientific Writing and Discussion (Pharmaceutical Sciences, English)A-E3			担当者所属職名・氏名	薬学研究科　講師　MACPHERSON TOM
群	キャリア形成科目群	分野(分類)	国際コミュニケーション	使用言語	日本語及び英語
旧群	C群	単位数	2単位	週コマ数	1コマ	授業形態	演習（対面授業科目）
開講年度・開講期	2026・前期	曜時限	月4	配当学年	２回生以上	対象学生	理系向

[授業の概要・目的]

Science isn’t just about discovery; it’s about how we share it.

This course explores how scientists use language to describe, explain, and persuade.
Students will learn the foundations of scientific English; from key vocabulary, symbols, and units to the structure of lab reports, presentations, and research papers.
Through lectures, examples, and practical exercises, you’ll uncover how Latin and Greek roots shape modern scientific terms, how to describe experiments clearly, and how to present findings with precision and confidence.

By the end, you’ll not only understand how scientific communication works but also develop the skills to write, speak, and think like a scientist, in English.

[到達目標]

Students will gain a basic understanding of the structure and vocabulary of scientific English.
Students will learn to read and write scientific reports in the structure used in English-language scientific journals.
Students will learn to orally communicate scientific concepts and findings.

[授業計画と内容]

1. What is scientific English?
2. Units, Sizes, and Dimensions
3. Chemicals and Formulas
4. Latin and Greek roots of modern scientific English
5. Position, Movement, Action, and Direction
6. Experimental Setups in Biology and Chemistry
7. Mid-term exam + Feedback,
   Explanation of Class Presentations
8. Key scientific vocabulary and phrasing
9. How to structure a lab report/scientific article
10. How to give a scientific talk
11. Scientific English in TV/Film/Media pt.1
12 - 15. Final Exam (Class Presentations)
16. Feedback

科学コミュニケーションの基礎と実践（薬・英）A-E3(2)へ続く↓↓↓

科学コミュニケーションの基礎と実践（薬・英）A-E3(2)

[履修要件]

This is an introductory course and prior knowledge of the topic is not necessary. All essential knowledge for the class and exams will be provided in class. Students need only to be interested in learning about scientific communication in English.

[成績評価の方法・観点]

Attendance and Participation 20%.
Midterm exam (Multiple Choice) 30%.
Final examination; Press Release (Short Written Report) 25%, Flash Talk (Short Oral Presentation) 25%

[教科書]

Anthony FW FOONG 『Comprehensive Scientific English (A)　4th Edition』（IMEX. Japan）ISBN:978-4-9905790-2-9（4th edition, April 2020）
OpenStax Biology, Anatomy and Physiology, Chemistry and Physics, freely available to download at the URL below.

[参考書等]

（参考書）
授業中に紹介する

（関連ＵＲＬ）

https://openstax.org/details/books/biology-2e

[授業外学修（予習・復習）等]

Review from the textbook, listening exercises on the CDs, and preparation for assignments to be presented in class.

[その他（オフィスアワー等）]

The contents of the syllabus are a guide to the content of the course, the exact content may change. Input and suggests from students are very welcome and I am happy to discuss the course material with students via email or in-person meeting.

[主要授業科目（学部・学科名）]

薬学部薬科学科、薬学部薬学科