

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	2025・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】												
<p>Have you ever watched a science talk or read a scientific article and found the language difficult to understand? “ Theory and Practice in Scientific Writing and Discussion ” provides an introduction to the fundamentals of scientific writing and communication in English. Students will learn useful scientific English vocabulary and expressions, as well as how to communicate scientific findings in written and oral forms. Students will have the opportunity to explore scientific topics of their own interests through oral class presentations.</p> <p>This course is targeted at any 2nd year or above science students, and will be especially useful for those interested in pursuing a career in scientific research or journalism.</p>												
【到達目標】												
<p>Students will gain a basic understanding of the structure and vocabulary of scientific English.</p> <p>Students will learn to read and write scientific reports in the structure used in English-language scientific journals.</p> <p>Students will learn to orally communicate scientific concepts and findings.</p>												
【授業計画と内容】												
<p>1. What is scientific English?</p> <p>2. Units, Sizes, and Dimensions</p> <p>3. Chemicals and Formulas</p> <p>4. Latin and Greek roots of modern scientific English</p> <p>5. Position, Movement, Action, and Direction</p> <p>6. Experimental Setups in Biology and Chemistry</p> <p>7. Mid-term exam + Feedback, Explanation of Class Presentations</p> <p>8. Key scientific vocabulary and phrasing</p> <p>9. How to structure a lab report/scientific article</p> <p>10. How to read and critique scientific articles</p> <p>11. How to give a scientific talk</p> <p>12. Examples of Scientific Communication in TV/Film/Media pt.1</p> <p>13. Examples of Scientific Communication in TV/Film/Media pt.2</p> <p>14. Spotting and Debunking Bad Science</p> <p>15. Final Exam (Class Presentations)</p> <p>16. Feedback</p>												
----- 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 -----												

【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, 30%.

Final examination 50%.

【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

References and articles will also be given via PandA.

(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.