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 特定准教授 CAMPBELL, Douglas Simon 非常勤講師 加堂 ロディ 薬学研究科 教授 掛谷 秀昭		
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	2024・前期	曜時限	月4/月5	配当学年	2回生以上	対象学生	理系向

[授業の概要・目的]

"Theory and Practice in Scientific Writing and Discussion" will provide students with the basics of scientific English.
Expressions and vocabulary used in scientific texts are different from everyday English. When giving a presentation or a seminar, or writing a report or research manuscript, it is critical to use a well organised and precise language so that the ideas and discoveries are well communicated.
This course is mainly targeted to students who wish to pursue a scientific career, especially in research.
Although learning new vocabulary and grammar is a substantial part of this course, the emphasis will be put on practice.

[到達目標]

To acquire basic knowledge on the structure and vocabulary of scientific English (biology, physics, chemistry).
To be able to build sentences using the vocabulary and grammar they have learned.
To learn English names of common scientific tools.
To be able to accurately describe dimensions and relative positions of objects, scientific equations, chemical reactions and other scientific concepts.
To be able to communicate scientific content in English in a relaxed manner and without hesitation.

[授業計画と内容]

1. What is Scientific English? (2 weeks)
2. The basic units and dimensions, numerals, enunciation and comprehension of complex numbers and equations. (2 weeks)
3. Chemicals and chemical reactions. (2 weeks)
4. Latin and Greek roots of modern scientific English. (2 weeks)
5. How to describe the relative position and dimensions of an object, descriptions of movements and force, basic human and animal anatomy. (3 weeks)
6. Mid-term exam (in Approximately class 12).
7. Description of experimental setups in Biology and Chemistry. (2 weeks)
8. Introduction to giving presentations - Elevator Pitch / self- introduction / Scientific-flash talks. (2 weeks)
9. Feedback (1 week)

[履修要件]

Students uncomfortable in social interactions may find this course challenging.

[成績評価の方法・観点]

- Class participation (answering and asking questions or discussion, 40%, there are no marks for "class

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attendance").
- Midterm exam (30%)
- Assignments (such as role play in Laboratory or Pharmacy, elevator pitch / self introduction, scientific flash talk, 30%).
The balance between the above will be dependent on the number of assignments given.

[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/subjects

[授業外学修（予習・復習）等]

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

[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 from students is very welcome to suggest aspects of scientific English to cover in the course. I am always happy to discuss with students, please contact me via email in the first instance.