Course number	U-LAS51 10014 SB48		
Course title (and course title in English)	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	Instructor's name, job title, and department of affiliation	Graduate School of Pharmaceutical Sciences Program-Specific Associate Professor,CAMPBELL, Douglas Simon

Group	Career Development	Field(Classification)	International Communication

Language of instruction	Japanese and English	Old group	Group C	Number of credits	2

Number of weekly time blocks	1	Class style	Seminar (Face-to-face course)	Year/semesters	2024・First semester

Days and periods	Mon.4/Mon.5	Target year	2nd year students or above	Eligible students	For science students

[Overview and purpose of the course]

"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.

[Course objectives]

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.

[Course schedule and contents)]

1. What is Scientific English? (1 week)
2. The basic units and dimensions, numerals, enunciation and comprehension of complex numbers and equations. (1 week)
3. Chemicals and chemical reactions. (1 week)
4. Latin and Greek roots of modern scientific English. How to coin novel terms. (1 week)
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 review exercises (1 week)
7. Description of experimental setups and results in biology, chemistry and pharmacology. (2 weeks)
8. Listening to a scientific presentation/TV programme and asking questions on its content (2 weeks)
9. Overview of scientific paper structure and abstract writing (2 weeks)
10. Exam (1 week)
11. Feedback (1 week)

Continue to 科学コミュニケーションの基礎と実践（薬・英）A-E3(2)↓↓↓

科学コミュニケーションの基礎と実践（薬・英）A-E3(2)

[Course requirements]

Students uncomfortable in social interactions may find this course challenging.

[Evaluation methods and policy]

- Frequent class participation and competitive tests during the semester (40%).
- Final examination (listening exercises from the textbook) (60%).

[Textbooks]

Anthony FW FOONG 『Comprehensive Scientific English (A)　3rd Edition』（IMEX. Japan）ISBN:978-4-9905790-2-9（4th edition may be available in April 2020）
OpenStax Biology, Anatomy and Physiology, Chemistry and Physics, freely available to download at the URL below.

[References, etc.]

（References, etc.）

Introduced during class

（Related URL）

https://openstax.org/subjects

[Study outside of class (preparation and review)]

Review from the textbooks and listening exercises on the CDs.

[Other information (office hours, etc.)]

The contents of the syllabus are 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.