

## 科学英語

責任者・コーディネーター	外国語学科英語分野 Jonathan Levine-Ogura 助教		
担当講座・学科(分野)	外国語学科英語分野		
担当教員	Jonathan Levine-Ogura 助教		
対象学年	1	区分・時間数	講義 21 時間
期間	後期		

### ・学習方針（講義概要等）

English is the primary means of sharing scientific discoveries around the world through news and research articles. Japanese doctors, dentists, nurses, and pharmacists need the skills to access and disseminate this information and communicate data and results effectively to other members of the medical team, whether foreign or Japanese. Scientific English is a course themed on learning English through current scientific news articles and their related abstracts. Students will develop the skills needed to appreciate, understand, and discuss contemporary scientific news articles. Classes will be conducted entirely in English to maximize exposure to the target language.

### ・教育成果（アウトカム）

Through reading tasks and group discussion on scientific current events, students will become able to understand news articles on science and their corresponding research abstracts, and understand how to disseminate scientific knowledge effectively as participants in the globalized medical community.  
(ディプロマ・ポリシー：9)

### ・到達目標（SBO）

At the end of the course students will be able to:

1. discern the difference between a science news article and its source abstract.
2. explain the topic and the science behind the research.
3. understand and use scientific vocabulary.
4. discuss and express opinions about scientific topics.
5. display a capacity for professional development and lifelong learning.
6. deliver a short presentation about a current scientific news article.

## 【講義】

月日	曜日	時限	講座(学科)	担当教員	講義内容/到達目標
9/7	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Introducing Science in the News Students will be able to: 1. Explain different fields in science. 2. Recognize themes found in science articles. 3. Discuss what science news is of interest.
9/14	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: Is There a 9th Planet in the Solar System? (1-1) Students will be able to: 1. Understand a scientific topic as it relates to astronomy. 2. Compare and contrast the research abstract and corresponding news article.
9/21	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: Is There a 9th Planet in the Solar System? (1-2) Students will be able to: 1. Compose a summary of the science news article. 2. Discuss and express an opinion about the news article.
9/28	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: Intelligent Crows Use Tools (2-1) Students will be able to: 1. Understand a scientific topic as it relates to behavioral science. 2. Compare and contrast the research abstract and corresponding news article.
10/19	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: Intelligent Crows Use Tools (2-2) Students will be able to: 1. Compose a summary of the science news article. 2. Discuss and express an opinion about the news article.

10/26	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: A Laboratory Turns Deadly Insect Venom into Medicine (3-1) Students will be able to: 1. Understand a scientific topic as it relates to medicine. 2. Compare and contrast the research abstract and its corresponding news article.
11/2	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: A Laboratory Turns Deadly Insect Venom into Medicine (3-2) Students will be able to: 1. Compose a summary of the science news article. 2. Discuss and express an opinion about the news article.
11/9	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: Drug Treats Memory Problems in Mice (4-1) Students will be able to: 1. Understand a scientific topic as it relates to medicine. 2. Compare and contrast the research abstract and its corresponding news article.
11/16	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: Drug Treats Memory Problems in Mice (4-2) Students will be able to: 1. Compose a summary of the science news article. 2. Discuss and express an opinion about the news article.
11/30	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: A Fish That 'Sings' Love Songs (5-1) Students will be able to: 1. Understand a scientific topic as it relates to environmental biology. 2. Compare and contrast the research abstract and its corresponding news article.
12/7	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Science News Headline: A Fish That 'Sings' Love Songs (5-2) Students will be able to: 1. Compose a summary of the science news article.

					2. Discuss and express an opinion about the news article.
12/14	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Current Event Topic Preparation (1) Students will be able to: 1. Choose a current science news article of personal interest and find the corresponding research paper abstract. 2. Prepare a draft to summarize the scientific current event and express an opinion on the topic.
12/21	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Current Event Topic Preparation (2) Students will be able to: 1. Present their summary in pairs and give feedback to improve performance. 2. Design a presentation for visual aid for both speaker and listener.
1/4	木	2	外国語学科 英語分野	Jonathan Levine-Ogura 助教	Presentation and Review (1) Students will be able to: 1. Deliver a short presentation on a current event in science. 2. Listen and give appropriate feedback and share opinions about the current event being presented. 3. Review lesson content and identify weak points for final study. 4. Create a study plan and develop an appropriate test-taking strategy.

・教科書・参考書等

教：教科書      参：参考書      推：推薦図書

	書籍名	著者名	発行所	発行年
指定の教科書・参考書はありません。必要な資料／プリントを冊子にまとめ、講義で配布します。				

・成績評価方法

1. 60% Exam
2. 20% Oral Presentation
3. 20% Class Performance

・特記事項・その他

予習・復習

Active participation is a primary requirement for this class. Preparation will be needed to participate successfully. Assigned preparation tasks should be completed prior to class, and will require approximately 30–60 minutes per week. Feedback on tests and assignments will be given in the following lesson. Being absent from class will not be an excuse for non-participation. It is the student's responsibility to always be prepared for the next class.

・授業に使用する機器・器具と使用目的

使用区分	機器・器具の名称	台数	使用目的
登録済の機器・器具はありません			