

## 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 scientific current events and comprehending its information. Students will develop the skills needed to appreciate, understand, and discuss contemporary scientific news articles. Classes will be conducted through group work, discussion and presentation activities entirely in English to maximize exposure to the target language.

### ・教育成果（アウトカム）

Through reading comprehension tasks and group discussion on scientific current events, students will become able to understand news articles on science and deepen their awareness of its content in order to disseminate scientific knowledge effectively as participants in the globalized medical community.  
(ディプロマポリシー：2, 4)

### ・到達目標（SBO）

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

1. understand a scientific news article and its structure.
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 group presentation about a current scientific news article.

・ 講義日程  
【講義】

月日	曜日	時限	講座(学科)	担当教員	講義内容/到達目標
9/5	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 1 Article Topic: Climate Change</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of the research article through group discussion activities.</li> <li>2. Understand scientific vocabulary and its usage.</li> <li>3. Read and pronounce key terms in science.</li> </ol> <p>(P.10-13) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
9/12	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 2 Article Topic: Human Evolution</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of the research article through group discussion activities.</li> <li>2. Understand scientific vocabulary and its usage.</li> <li>3. Read and pronounce key terms in science.</li> </ol> <p>(P.18-21) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
9/19	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 3 Article Topic: Improving Memory</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of the research article through group discussion activities.</li> <li>2. Understand scientific vocabulary and its usage.</li> <li>3. Read and pronounce key terms in science.</li> </ol> <p>(P.26-29) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
9/26	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 4 Article Topic: Animal Rights and Research</p> <p>Students will be able to:</p>

					<p>1. Comprehend and summarize key points of the research article through group discussion activities.</p> <p>2. Understand scientific vocabulary and its usage.</p> <p>3. Read and pronounce key terms in science.</p> <p>(P.34-37) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
10/3	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 5 Article Topic: Brain Function</p> <p>Students will be able to:</p> <p>1. Comprehend and summarize key points of the research article through group discussion activities.</p> <p>2. Understand scientific vocabulary and its usage.</p> <p>3. Read and pronounce key terms in science.</p> <p>(P.42-45) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
10/10	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 6 Article Topic: Blood Testing</p> <p>Students will be able to:</p> <p>1. Comprehend and summarize key points of the research article through group discussion activities.</p> <p>2. Understand scientific vocabulary and its usage.</p> <p>3. Read and pronounce key terms in science.</p> <p>(P.50-53) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
10/31	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 7 Article Topic: Correcting Color Blindness</p> <p>Students will be able to:</p> <p>1. Comprehend and summarize key points of the research article through group discussion activities.</p> <p>2. Understand scientific vocabulary and its usage.</p> <p>3. Read and pronounce key terms in science.</p>

					(P.58-61) Complete pre/post-study comprehension exercises and notes on WebClass.
11/7	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 8 Article Topic: Airplanes and Global Warming</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of the research article through group discussion activities.</li> <li>2. Understand scientific vocabulary and its usage.</li> <li>3. Read and pronounce key terms in science.</li> </ol> <p>(P.66-69) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
11/14	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 9 Article Topic: Malaria</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of the research article through group discussion activities.</li> <li>2. Understand scientific vocabulary and its usage.</li> <li>3. Read and pronounce key terms in science.</li> </ol> <p>(P.74-77) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
11/21	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 10 Article Topic: Brain Injuries and Treatment</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of the research article through group discussion activities.</li> <li>2. Understand scientific vocabulary and its usage.</li> <li>3. Read and pronounce key terms in science.</li> </ol> <p>(P.82-85) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
11/28	木	2	英語分野	Jonathan Levine-Ogura 助教	<p>Unit 11 Article Topic: Ocean Mercury</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Comprehend and summarize key points of</li> </ol>

					<p>the research article through group discussion activities.</p> <p>2. Understand scientific vocabulary and its usage.</p> <p>3. Read and pronounce key terms in science.</p> <p>(P.90–93) Complete pre/post–study comprehension exercises and notes on WebClass.</p>
12/5	木	2	英語分野	Jonathan Levine–Ogura 助教	<p>Unit 12 Article Topic: Genetic Testing</p> <p>Students will be able to:</p> <p>1. Comprehend and summarize key points of the research article through group discussion activities.</p> <p>2. Understand scientific vocabulary and its usage.</p> <p>3. Read and pronounce key terms in science.</p> <p>(P.98–101) Complete pre/post–study comprehension exercises and notes on WebClass.</p>
12/12	木	2	英語分野	Jonathan Levine–Ogura 助教	<p>Scientific Topic Preparation</p> <p>Students will be able to:</p> <p>1. Prepare a unit related topic for a short group presentation.</p> <p>2. Design a presentation for visual aid for both speaker and listener.</p>
12/19	木	2	英語分野	Jonathan Levine–Ogura 助教	<p>Presentation and Review</p> <p>Students will be able to:</p> <p>1. Deliver a short group presentation on a unit related scientific topic.</p> <p>2. Listen and give appropriate feedback through groupwork and share opinions about the topic being presented.</p> <p>3. Review lesson content and identify weak points for final study.</p> <p>4. Create a study plan and develop an appropriate test–taking strategy.</p>

・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
教	Science Reader II in association with Nature	Kevin Cleary, Yuji Suzuki, Yusuke Kondo, Shoji Miyanaga, Yusuke Okada, Tsukasa Yamanaka	Macmillan LanguageHouse	2017

・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, learning, and groupwork is a primary requirement for this class. Weekly preparation and review will be needed to participate effectively to produce a successful outcome.

Assigned tasks through WebClass or by other means should be completed pre/post-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 or incomplete assignments. It is the student's responsibility to always be prepared for the next class.

Smartphones and other multimedia devices are acceptable to use when related to lesson content. However, using these devices must first be approved by the teacher. Any other usage of electronic devices for personal use is completely unacceptable and prohibited.

・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			