

科学英語

責任者・コーディネーター	外国語学科英語分野 ジョナサン 曜 レヴィン 小倉 助教		
担当講座・学科(分野)	外国語学科英語分野		
対象学年	1	区分・時間数	講義 21 時間
期 間	後期		
単 位 数	1 単位		

・学習方針（講義概要等）

本科目は、語彙力の強化と、英語によるコミュニケーション全般の技能の向上を目的とした授業を行う。具体的には、科学に関する最新の英語に数多く触れ、ペアやグループでの作業やさまざまなアクティビティを通して、各分野の基本的で重要な表現を身に付ける。また、それらを用いて、正確な情報や自分の考えを相手に伝えるとともに、文章で表現する練習を行う。これらの作業を重ねることで、将来、医療の分野のみならず、あらゆる場面で発揮できる英語力について学ぶ。

・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.

【学位授与方針と当該授業科目との関連】

ディプロマ・ポリシー： 1、9

・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.

・ 授業日程

【講義】

月日	曜日	時限	講座(学科)	担当教員	授業内容/到達目標
9/5	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 1 Article Topic: Climate Change</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.10–13) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
9/12	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 2 Article Topic: Human Evolution</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.18–21) Complete pre/post-study comprehension exercises and notes on WebClass.</p>

9/19	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 3 Article Topic: Improving Memory</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.26–29) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
9/26	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 4 Article Topic: Animal Rights and Research</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.34–37) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
10/3	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 5 Article Topic: Brain Function</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.42–45) Complete pre/post-study comprehension exercises and notes on WebClass.</p>

10/10	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 6 Article Topic: Blood Testing</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.50–53) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
10/31	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 7 Article Topic: Correcting Color Blindness</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.58–61) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
11/7	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 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"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.66–69) Complete pre/post-study comprehension exercises and notes on WebClass.</p>

11/14	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 9 Article Topic: Malaria</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.74–77) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
11/21	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 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"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.82–85) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
11/28	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 11 Article Topic: Ocean Mercury</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.90–93) Complete pre/post-study comprehension exercises and notes on WebClass.</p>

12/5	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Unit 12 Article Topic: Genetic Testing</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Comprehend and summarize key points of the research article through group discussion activities. 2. Understand scientific vocabulary and its usage. 3. Read and pronounce key terms in science. <p>(P.98-101) Complete pre/post-study comprehension exercises and notes on WebClass.</p>
12/12	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Scientific Topic Preparation</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Prepare a unit related topic for a short group presentation. 2. Design a presentation for visual aid for both speaker and listener.
12/19	木	2	英語分野	ジョナサン 曜 レヴィン 小倉 助教	<p>Presentation and Review</p> <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Deliver a short group presentation on a unit related scientific topic. 2. Listen and give appropriate feedback through groupwork and share opinions about the topic 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
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

【事前事後学修の具体的内容及び時間】

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. 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.

【授業における試験やレポート等の課題に対するフィードバック】

Feedback on tests and assignments will be given in the following lesson.

【その他】

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.

【保健師助産師看護師学校養成所指定規則教育内容】

看護師（別表3）：基礎分野 科学的思考の基盤

・ 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			