

科目ナンバリング		U-LAS51 10010 SE48									
授業科目名 <英訳>		科学コミュニケーション（理・英）-E3 Science Communication (Science, English)-E3				担当者所属 職名・氏名		理学研究科 非常勤講師 James de Witt 准教授 常見 俊直			
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	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	木3/木4			配当学年	2回生以上		対象学生	理系向
【授業の概要・目的】											
<p>The primary focus of this course will be on understanding scientific materials presented in an all-English environment. Coursework will emphasize group study and discussion, vocabulary-building, and clear description of scientific ideas through a variety of activities. Enrollment will be open, but is intended mainly for Rigakubu second-year students.</p>											
<p>英語の環境下で日本語を通さずに、科学に関する文献や資料を理解するための授業です。 グループ学習と議論、語彙の習得、科学的考え方の明確な記述に重点を置きます。 誰でも受講できますが、理学部2回生が主な対象です。</p>											
【到達目標】											
<p>To acquire methods to improve your understanding of English-language scientific information and your skills in presenting them, for later educational and professional purposes</p>											
【授業計画と内容】											
<p>Materials will be selected from the fields of mathematics, physics/astrophysics, earth science, chemistry, and biology, and include authentic works by and about significant achievements of famous scientists.</p>											
<p>Lessons will include the content below. The planned number of lectures for each topic are indicated in the parentheses.</p>											
<p>Orientation (1) Summarizing information and collaborative discussion (4) Event/observation/description: limitations in scientific communication (2) - Thought experiments conducted in class Organization of ideas in scientific literature (5) - Improving reading comprehension through understanding of logical structure - Standards in journal article structure - Understanding and creating abstracts Presentation of a model, and description of a scientific principle it demonstrates (1) Final quiz, future directions (1) Feedback (1)</p>											
<p>Reading and discussion of journal articles and students' choice of Nature News articles will be given from each of the five basic Faculty of Science divisions of mathematics, physics/astrophysics, earth science, chemistry, and biology.</p>											
<p>Mr. De Witt is always present for the lessons, and Dr. Tsunemi may occasionally be present.</p>											
科学コミュニケーション（理・英）-E3(2)へ続く											

科学コミュニケーション（理・英）-E3(2)

【履修要件】

特になし

【成績評価の方法・観点】

Preparedness, daily participation, and assignments.

Daily in-class grades based on 0, 1, 2, or 3 points will be given as follows:

0-no participation or preparation, 1-some but inadequate participation or preparation, 2-normal, expected level of participation and preparation, 3-extra participation and preparedness, beyond the basic requirement. Plus and minus indicators may also be given, to indicate in-between levels, with 3 such indicators adding to one grade point.

One in-class grade point may be subtracted or tardiness, speaking too much Japanese in class, breaking basic rules, etc., for each day with incidence.

【教科書】

使用しない

Topics will be selected from the scientific literature for discussion, summarization, and presentation.

【参考書等】

（参考書）

授業中に紹介する

【授業外学修（予習・復習）等】

Read and summarize assigned articles handed out or online, write an article abstract, prepare a simple model to demonstrate, etc.

【その他（オフィスアワー等）】

Students are encouraged to actively participate in discussions and preparations of topics, primarily in small groups or pairs.