

|   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
|---|---------|--|-----|----|--------|-----|----------------|---------|------------------------|------|-----|--|--|
| 科目ナンバリング  |         | U-LAS20 10007 SE48   |     |    |        |     |                |         |                        |      |     |  |  |
| 授業科目名<br><英訳>   |         | Scientific English IB (Technical Communication & Discussions)<br>Scientific English IB (Technical Communication & Discussions) |     |    |        |     | 担当者所属<br>職名・氏名 |         | 工学研究科 准教授 KIM , SUNMIN |      |     |  |  |
| 群   | 外国語科目群  |  |     |    | 分野(分類) |     |                |         |                        | 使用言語 | 英語  |  |  |
| 旧群  | C群      | 単位数  | 4単位 |    | 週コマ数   | 1コマ |                | 授業形態    | 演習(外国語)(対面授業科目)        |      |     |  |  |
| 開講年度・<br>開講期  | 2025・通年 |  | 曜時限 | 木3 |        |     | 配当学年           | 主として1回生 |                        | 対象学生 | 理系向 |  |  |
| [授業の概要・目的]  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| This course is to improve communication and discussion skills in English with various topics related to science and technology.   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| [到達目標]  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| Through this course, students will be able to present their own idea clearly and discuss with others efficiently.   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| [授業計画と内容]   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| # 1st semester  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| <Week 1> Introduction   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| <Week 2-14> Presentations and Discussions<br>Regarding a specific technical topic (current topic: Backpropagation algorithm of Artificial Neural Networks), students will give short lectures based on their understanding. After the lecture from a student, a Q&A session will be followed. Evaluation is on the presentation of presenters and the Q&A activity of all students. Each session will be within 30 minutes including a lecture and Q&A. |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| <Week 15> Wrap-up discussion and Feedback   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| # 2nd semester  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| <Week 1> Introduction   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| <Week 2-14> Lectures and Discussions<br>Regarding a specific technical topic (current topic: Machine learning of ANN on Google Colab), students will give short lectures based on their understanding. After the lecture from a student, a Q&A session will be followed. Evaluation is on the presentation of presenters and the Q&A activity of all students. Each session will be within 30 minutes including a lecture and Q&A.                      |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| <Week 15> Wrap-up discussion and Feedback   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| [履修要件]  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| 特になし  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| [成績評価の方法・観点]  |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| The presentation and discussion performance of all students in each class will be graded as good, fair, and poor [presentation performance 50% and discussion activity 50%]. The final score will be the accumulated scores through all classes. Those who are absent more than 5 times will not be credited. _ _ _ _ _   |         |  |     |    |        |     |                |         |                        |      |     |  |  |
| Scientific English IB (Technical Communication & Discussions)(2)へ続く   |         |  |     |    |        |     |                |         |                        |      |     |  |  |

Scientific English IB (Technical Communication & Discussions)(2)

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**【教科書】**

使用しない

**【参考書等】**

（参考書）

Handouts and supplemental materials will be distributed.

**【授業外学修（予習・復習）等】**

Reading and watching scientific/technological materials as much as possible.

**【その他（オフィスアワー等）】**

No specific office hours. Email communication is preferred through [kim.sunmin.6x@kyoto-u.ac.jp].

**【主要授業科目（学部・学科名）】**