

## English Speaking & Listening

|              |   |        |          |
|--------------|---|--------|----------|
| 責任者・コーディネーター | 外国語学科英語分野 James Hobbs 教授  |        |          |
| 担当講座・学科(分野)  | 外国語学科英語分野、教養教育センター  |        |          |
| 担当教員         | James Hobbs 教授、Jonathan Levine-Ogura 助教、Ken Asano 非常勤講師、Kathryn Akasaka 非常勤講師 |        |          |
| 対象学年         | 1   | 区分・時間数 | 講義 42 時間 |
| 期間           | 通期  |        |          |

### ・学習方針（講義概要等）

English is the primary language of international medical communication, and doctors need good English speaking and listening skills in order to function effectively in any environment where they encounter English-speaking patients and English-speaking medical professionals, whether inside or outside Japan. English Speaking and Listening (ESL) is a course focused on developing these communication skills through active engagement with Internet-based materials relating to a wide range of topics in health and medicine. There will be a heavy focus on active learning through group discussions and oral presentations, so active participation in class is a must. Classes will be conducted entirely in English so as to maximize exposure to the target language.

### ・教育成果（アウトカム）

Through video-based viewing and listening tasks, pair and group discussion tasks, vocabulary-building activities, and the preparation and delivery of short English speeches, students will become capable of communicating effectively in professional contexts with English speakers, both native and nonnative, both abroad and in Japan.

（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. apply appropriate strategies for effective listening and speaking.
2. use a wide range of vocabulary related to health and medical topics.
3. express opinions on a range of health and medical topics.
4. deliver short presentations to an audience without reading from a script.
5. work collaboratively to achieve outcomes in pairs and groups.
6. collect and synthesize material from online sources.

【講義】 【クラス 1 は火曜日の 1 限、クラス 2 は火曜日の 2 限】

| 月日   | 曜日 | クラス<br>時限 | 講座(学科)           | 担当教員   | 講義内容/到達目標   |
|------|----|-----------|------------------|--|---|
| 4/28 | 火  | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (1-1).<br>Students will become able to:<br>1. Understand key content presented through video-based materials.<br>2. Explain the meaning and usage of key vocabulary and phrases.<br>3. Pronounce key vocabulary items correctly.<br>Pre-lesson self-study: Research the meaning of “a balanced diet” and prepare to discuss the question “How healthy is your diet?”<br>Post-lesson self-study: Access Unit 1 videos online and complete related tasks as instructed by your teacher. |
|      |    | C2<br>2 限 |                  |  |   |
| 5/12 | 火  | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (1-2).<br>Students will become able to:<br>1. Explain in English key concepts from lesson materials.<br>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.<br>3. Discuss and give opinions in English about the topics studied.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 1 videos online and complete related tasks as instructed by your teacher.<br>Prepare answers to Unit 2 warmup tasks.                    |
|      |    | C2<br>2 限 |                  |  |   |
| 5/19 | 火  | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (2-1).<br>Students will become able to:<br>1. Understand key content presented through video-based materials.<br>2. Explain the meaning and usage of key vocabulary and phrases.<br>3. Pronounce key vocabulary items correctly.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 2 videos online and complete related tasks as instructed by your teacher.  |
|      |    | C2<br>2 限 |                  |  |   |

|      |   |           |                  |  |  |
|------|---|-----------|------------------|--|--|
| 5/26 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | <p>Topics in health and medicine (2-2).<br/>Students will become able to:</p> <ol style="list-style-type: none"> <li>1. Explain in English key concepts from lesson materials.</li> <li>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.</li> <li>3. Discuss and give opinions in English about the topics studied.</li> </ol> <p>Post-lesson self-study/ preparation for next lesson: Access Unit 2 videos online and complete related tasks as instructed by your teacher. Prepare answers to Unit 3 warmup tasks.</p> |
|      |   | C2<br>2 限 |                  |  |  |
| 5/27 | 水 | C1<br>5 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | <p>Topics in health and medicine (3-1).<br/>Students will become able to:</p> <ol style="list-style-type: none"> <li>1. Understand key content presented through video-based materials.</li> <li>2. Explain the meaning and usage of key vocabulary and phrases.</li> <li>3. Pronounce key vocabulary items correctly.</li> </ol> <p>Post-lesson self-study/ preparation for next lesson: Access Unit 3 videos online and complete related tasks as instructed by your teacher.</p>  |
|      |   | C2<br>5 限 |                  |  |  |
| 5/29 | 金 | C1<br>5 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | <p>Topics in health and medicine (3-2).<br/>Students will become able to:</p> <ol style="list-style-type: none"> <li>1. Explain in English key concepts from lesson materials.</li> <li>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.</li> <li>3. Discuss and give opinions in English about the topics studied.</li> </ol> <p>Post-lesson self-study/ preparation for next lesson: Access Unit 3 videos online and complete related tasks as instructed by your teacher.</p>   |
|      |   | C2<br>5 限 |                  |  |  |

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|------|---|-----------|------------------|--|--|
| 6/2  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Review (1). Students will become able to:<br>1. Use key vocabulary and phrases from topics 1~3 in short speeches, pair activities, and group discussions.<br>2. Collaborate with other students to create and perform dialogues and skits based on lesson topics.<br>Post-lesson self-study/ preparation for next lesson: Prepare answers to Unit 4 warmup tasks.  |
|      |   | C2<br>2 限 |                  |  |  |
| 6/9  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (4-1). Students will become able to:<br>1. Understand key content presented through video-based materials.<br>2. Explain the meaning and usage of key vocabulary and phrases.<br>3. Pronounce key vocabulary items correctly.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 4 videos online and complete related tasks as instructed by your teacher.  |
|      |   | C2<br>2 限 |                  |  |  |
| 6/16 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (4-2). Students will become able to:<br>1. Explain in English key concepts from lesson materials.<br>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.<br>3. Give opinions in English about the topics studied.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 4 videos online and complete related tasks as instructed by your teacher. Complete Unit 1~4 review test (WebClass). |
|      |   | C2<br>2 限 |                  |  |  |

|      |   |           |                  |  |  |
|------|---|-----------|------------------|--|--|
| 6/23 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Speech preparation (1). Students will become able to:<br>1. Choose a speech topic that will be within their capabilities and interesting for other students to hear.<br>2. Prepare a speech draft following a clear and logical structure.<br>Post-lesson self-study/ preparation for next lesson: Unless otherwise instructed by your teacher, complete a draft of your speech to bring to the next lesson.                       |
|      |   | C2<br>2 限 |                  |  |  |
| 6/30 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Speech preparation (2). Students will become able to:<br>1. Deliver a speech smoothly to a single listener.<br>2. Design appropriate visual aids to support a speech.<br>3. Give other students helpful feedback on improving speech performance.<br>Post-lesson self-study/ preparation for next lesson: Make necessary corrections to your draft and supporting materials. Practice giving your speech within the allotted time. |
|      |   | C2<br>2 限 |                  |  |  |
| 7/7  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Oral presentations (1-1). Students will become able to:<br>1. Give a prepared speech to an audience without reading from a script.<br>2. Listen to and give appropriate feedback on other students' speeches.  |
|      |   | C2<br>2 限 |                  |  |  |
| 7/14 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Oral presentations (1-2). Students will become able to:<br>1. Give a prepared speech to an audience without reading from a script.<br>2. Listen to and give appropriate feedback on other students' speeches.  |
|      |   | C2<br>2 限 |                  |  |  |

|      |   |           |                  |  |   |
|------|---|-----------|------------------|--|---|
| 7/14 | 火 | C1<br>3 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Review (2)/ Exam study advice.<br>Students will become able to:<br>1. Identify personal strong and weak points, and prioritize lesson content for exam study.<br>2. Design a personalized exam study plan.<br>3. Understand appropriate test-taking strategies.<br>Post-lesson self-study: Prepare for the first-semester exam following the guidelines given in the lesson materials.  |
|      |   | C2<br>3 限 |                  |  |   |
| 9/1  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (5-1).<br>Students will become able to:<br>1. Understand key content presented through video-based materials.<br>2. Explain the meaning and usage of key vocabulary and phrases.<br>3. Pronounce key vocabulary items correctly.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 5 videos online and complete related tasks as instructed by your teacher.  |
|      |   | C2<br>2 限 |                  |  |   |
| 9/8  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (5-2).<br>Students will become able to:<br>1. Explain in English key concepts from lesson materials.<br>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.<br>3. Discuss and give opinions in English about the topics studied.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 5 videos online and complete related tasks as instructed by your teacher. Prepare answers to Unit 6 warmup tasks. |
|      |   | C2<br>2 限 |                  |  |   |

|       |   |           |                  |  |  |
|-------|---|-----------|------------------|--|--|
| 9/15  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | <p>Topics in health and medicine (6-1).<br/>Students will become able to:</p> <ol style="list-style-type: none"> <li>1. Understand key content presented through video-based materials.</li> <li>2. Explain the meaning and usage of key vocabulary and phrases.</li> <li>3. Pronounce key vocabulary items correctly.</li> </ol> <p>Post-lesson self-study/ preparation for next lesson: Access Unit 6 videos online and complete related tasks as instructed by your teacher.</p>  |
|       |   | C2<br>2 限 |                  |  |  |
| 9/29  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | <p>Topics in health and medicine (6-2).<br/>Students will become able to:</p> <ol style="list-style-type: none"> <li>1. Explain in English key concepts from lesson materials.</li> <li>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.</li> <li>3. Discuss and give opinions in English about the topics studied.</li> </ol> <p>Post-lesson self-study/ preparation for next lesson: Access Unit 6 videos online and complete related tasks as instructed by your teacher. Prepare answers to Unit 7 warmup tasks.</p> |
|       |   | C2<br>2 限 |                  |  |  |
| 10/20 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | <p>Topics in health and medicine (7-1).<br/>Students will become able to:</p> <ol style="list-style-type: none"> <li>1. Understand key content presented through video-based materials.</li> <li>2. Explain the meaning and usage of key vocabulary and phrases.</li> <li>3. Pronounce key vocabulary items correctly.</li> </ol> <p>Post-lesson self-study/ preparation for next lesson: Access Unit 7 videos online and complete related tasks as instructed by your teacher.</p>  |
|       |   | C2<br>2 限 |                  |  |  |

|       |   |           |                  |  |   |
|-------|---|-----------|------------------|--|---|
| 10/27 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (7-2).<br>Students will become able to:<br>1. Explain in English key concepts from lesson materials.<br>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.<br>3. Discuss and give opinions in English about the topics studied.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 7 videos online and complete related tasks as instructed by your teacher. |
|       |   | C2<br>2 限 |                  |  |   |
| 11/10 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Review (3). Students will become able to:<br>1. Use key vocabulary and phrases from topics 1~3 in short speeches, pair activities, and group discussions.<br>2. Collaborate with other students to create and perform dialogues and skits based on lesson topics.<br>Post-lesson self-study: Prepare Unit 8 warmup tasks.   |
|       |   | C2<br>2 限 |                  |  |   |
| 11/17 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (8-1).<br>Students will become able to:<br>1. Understand key content presented through video-based materials.<br>2. Explain the meaning and usage of key vocabulary and phrases.<br>3. Pronounce key vocabulary items correctly.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 8 videos online and complete related tasks as instructed by your teacher.  |
|       |   | C2<br>2 限 |                  |  |   |



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|-------|---|-----------|------------------|--|---|
| 11/24 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Topics in health and medicine (8-2).<br>Students will become able to:<br>1. Explain in English key concepts from lesson materials.<br>2. Use key vocabulary and phrases in short speeches, pair activities, and group discussions.<br>3. Discuss and give opinions in English about the topics studied.<br>Post-lesson self-study/ preparation for next lesson: Access Unit 8 videos online and complete related tasks as instructed by your teacher. Complete Unit 5~8 review test (WebClass). |
|       |   | C2<br>2 限 |                  |  |   |
| 12/1  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Speech preparation (3). Students will become able to:<br>1. Choose a speech topic that will be within their capabilities and interesting for other students to hear.<br>2. Prepare a speech draft following a clear and logical structure.<br>Post-lesson self-study/ preparation for next lesson: Unless otherwise instructed by your teacher, complete a draft of your speech to bring to the next lesson.  |
|       |   | C2<br>2 限 |                  |  |   |
| 12/8  | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Speech preparation (4). Students will become able to:<br>1. Deliver a speech smoothly to a single listener.<br>2. Design appropriate visual aids to support a speech.<br>3. Give other students helpful feedback on improving speech performance.<br>Post-lesson self-study/ preparation for next lesson: Make necessary corrections to your draft and supporting materials. Practice giving your speech within the allotted time.  |
|       |   | C2<br>2 限 |                  |  |   |

|       |   |           |                  |  |  |
|-------|---|-----------|------------------|--|--|
| 12/15 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Oral presentations (2-1). Students will become able to:<br>1. Give a prepared speech to an audience without reading from a script.<br>2. Listen to and give appropriate feedback on other students' speeches.  |
|       |   | C2<br>2 限 |                  |  |  |
| 12/22 | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Oral presentations (2-2). Students will become able to:<br>1. Give a prepared speech to an audience without reading from a script.<br>2. Listen to and give appropriate feedback on other students' speeches.  |
|       |   | C2<br>2 限 |                  |  |  |
| 1/5   | 火 | C1<br>1 限 | 英語分野<br>教養教育センター | James Hobbs 教授<br>Jonathan Levine-Ogura 助教<br>Ken Asano 非常勤講師<br>Kathryn Akasaka 非常勤講師 | Review (4)/ Exam study advice .<br>Students will become able to:<br>1. Identify personal strong and weak points, and prioritize lesson content for exam study.<br>2. Design a personalized exam study plan.<br>3. Understand appropriate test-taking strategies.<br>Post-lesson self-study: Prepare for the second-semester exam following the guidelines given in the lesson materials. |
|       |   | C2<br>2 限 |                  |  |  |

・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。<br>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. 50% exams (1st-semester final exam + 2nd-semester final exam)
2. 30% oral presentations (1st semester oral presentation + 2nd semester oral presentation)
3. 20% performance in class (completion of assigned pre- and post- lesson assignments, active participation in pair and group tasks, proactive use of English in class, performance on in-class tests)

・特記事項・その他

1. 学生を2クラスに分け、クラス1 (C1) は火曜日の1時限目に、クラス2 (C2) は火曜日の2時限目に講義を行う。
2. 各クラスを3グループ (A・B・C) に分け、教員がグループをローテートする。
3. 講義室  
A グループ：東2-B 講義室  
B グループ：東2-E 講義室  
C グループ：東ゼミ室
4. 予習・復習 Before each lesson students should check understanding of relevant vocabulary, and prepare their ideas on the topics to be discussed in the lesson. After each lesson review tasks should be completed as directed by the teacher. The exact timing and content of pre- and post-lesson study may vary slightly by group/teacher, but will require an average of approximately 60 minutes per lesson.
5. Use of smartphones and other devices during class may be permitted to access online materials and search for information. However, devices must not be used for purposes other than those explicitly permitted by the teacher.
6. The videos that form the core of the course can be accessed directly at source (YouTube, Dailymotion, etc.).
7. Review tests and other self-study materials to support the class will be made available on WebClass.
8. Following absence due to illness or other reasons, it is the student's responsibility to find out what homework has been assigned, and to complete it as required. "I was absent last week" will not be accepted as a reason for not completing assigned tasks. Answers and feedback on tests and assignments will be given in the following lesson.
9. 科目履修認定について: 過去に受験した外国語能力試験の成績が所定の基準を満たしている場合には、本科目の単位に読み替えることができる。

・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                 |
|------|--|----|----------------------|
| 講義   | ノート型 PC (東芝)                           | 1  | 資料作成、講義プレゼン用         |
| 講義   | ノート型 PC (富士通) FMV-N F 40W              | 1  | 資料作成、講義プレゼン用         |
| 講義   | ノート型 PC (Panasonic) R7/U7600           | 1  | 資料作成、講義プレゼン用         |
| 講義   | ノート型 PC (Apple) NA877J/A               | 1  | 資料作成、講義プレゼン用         |
| 講義   | ノート型 PC (SONY) VGC-LN52JGB             | 1  | 資料作成、講義プレゼン用         |
| 講義   | ノート型 PC (NEC) PC-YV22AEDAMBL6          | 1  | 資料作成、講義プレゼン用         |
| 講義   | PC (Apple) iMac27/3.20GHzCorei3        | 1  | 資料作成                 |
| 講義   | ノート型 PC (Panasonic) CF-J9/LUDDDS       | 1  | 資料作成、講義プレゼン用         |
| 講義   | iPod (Apple)                           | 5  | リスニング、課外自習等          |
| 講義   | CD /DVD プレーヤー                          | 4  | リスニング、<br>DVD 教材視聴覚用 |
| 講義   | ノートパソコン (Mac Book Air CTOZOJK)         | 1  | 資料作成、講義プレゼン用         |
| 講義   | HD ビデオカメラ式 (Canon・M52)                 | 1  | 講義資料作成               |
| 講義   | ノートパソコン (富士通・PH50/E)                   | 1  | 資料作成、講義プレゼン用         |
| 講義   | ノートパソコン (富士通・MH30/G)                   | 1  | 資料作成、講義プレゼン用         |
| 講義   | デスクトップパソコン (iMac27・ZOJN CTO Education) | 1  | 資料作成                 |
| 講義   | ノートパソコン (Panasonic・CF-J9LLUDDDS)       | 1  | 資料作成、講義プレゼン用         |
| 講義   | 液晶プロジェクター (SONY・VPL-EW7)               | 1  | 講義プレゼン用              |