

研究科共通科目 (博士後期課程)

科目番号	科目名	授業方法	単位数	標準履修年次	実施学期	曜時限	教室	担当教員	授業概要	備考
02CA001	ベンチャービジネス論	1	2.0	1・2	秋AB	集中		木村 行雄	第一線で活躍している講師 (非常勤講師) が、起業家精神・活動、特許、ベンチャー企業設立の経緯と背景、問題点、将来の展望などについて詳しく解説すると共に、実際の起業計画等を作成し、実践的な学習を行う。	01BA002, 01CA001と同一。
02CA101	テクニカルライティング基礎	1	2.0	1 - 3	春AB	随時	総合 B108	ミラー ニール	In this course students will develop skills for effective academic writing in technical and semi-technical subjects. Topics will include (1) writing in an appropriate academic style, (2) writing coherent paragraphs, (3) making a text 'flow' (cohesion), (4) describing processes, (5) commenting on data, and (6) paraphrasing other authors' work. Students will learn how to produce a number of key text types including problem-solution texts, summaries and data commentaries. In class students will analyse and discuss both simplified texts and extracts from authentic research articles. Throughout the course students will apply what they learn to construct a series of short texts, some of them related to research in their own field.	英語で授業。
02CA102	テクニカルライティング基礎	1	2.0	1 - 3	秋AB	随時	総合 B108	ミラー ニール	In this course students will develop skills for effective academic writing in technical and semi-technical subjects. Topics will include (1) writing in an appropriate academic style, (2) writing coherent paragraphs, (3) making a text 'flow' (cohesion), (4) describing processes, (5) commenting on data, and (6) paraphrasing other authors' work. Students will learn how to produce a number of key text types including problem-solution texts, summaries and data commentaries. In class students will analyse and discuss both simplified texts and extracts from authentic research articles. Throughout the course students will apply what they learn to construct a series of short texts, some of them related to research in their own field.	英語で授業。
02CA103	テクニカルライティング発展	1	2.0	1 - 3	春AB	随時	総合 B112-1	ミラー ニール	In this course students will apply skills and knowledge developed in Introductory Technical Writing to construct a short research paper based on an aspect of their own research. In the first class students will develop a plan for their research paper. In following classes students will learn how to construct the sections that typically make up a research article (i.e. Introduction, Methods, Results, Discussion). There will be a strong focus on analysing texts in order to understand the type of information contained in each of the sections, how it is organised, and the typical language features (e.g. vocabulary, grammar structures and phrases). In addition to simple generic texts, students will select and analyse a number of research articles from their own discipline. Students will also learn how to use text analysis tools to help them employ appropriate phraseology in their writing. Students will submit and receive feedback on a draft of their paper before submitting a final version for assessment.	Students wishing to take this course should have already completed Introductory Technical Writing 英語で授業。

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02CA104	テクニカルライティング発展	1	2.0	1 - 3	秋AB	随時	総合B108	ミラー ニール	In this course students will apply skills and knowledge developed in Introductory Technical Writing to construct a short research paper based on an aspect of their own research. In the first class students will develop a plan for their research paper. In following classes students will learn how to construct the sections that typically make up a research article (i.e. Introduction, Methods, Results, Discussion). There will be a strong focus on analysing texts in order to understand the type of information contained in each of the sections, how it is organised, and the typical language features (e.g. vocabulary, grammar structures and phrases). In addition to simple generic texts, students will select and analyse a number of research articles from their own discipline. Students will also learn how to use text analysis tools to help them employ appropriate phraseology in their writing. Students will submit and receive feedback on a draft of their paper before submitting a final version for assessment.	Students wishing to take this course should have already completed Introductory Technical Writing 英語で授業。
02CA105	サイエンスコミュニケーションI	2	1.0	1 - 3	春AB	随時	総合B811	ミラー ニール	In this practical course students will develop skills to help them present their research in English with clarity and confidence. The course will be divided into three parts. In Part 1 students will analyse examples of authentic student presentations and discuss presentation techniques and structure. Part 2 will focus on helping students in creating a short presentation based on an aspect of their own research. Students will learn about ways to engage the audience in their presentations - e.g. the use of simple inclusive language, the use of questions, and techniques for emphasizing the message. They will learn and practice useful phrases for, e.g., opening and closing a presentation, linking ideas and commenting on visuals. There will also be a strong focus on developing clear diction - e.g. word stress, sentence stress and pausing. In Part 3 students will make a short presentation on an aspect of their research to the class. Throughout the course there will be ample opportunities for students to practice giving presentations, practice the language and techniques and receive feedback.	英語で授業。

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02CA106	サイエンスコミュニケーションI	2	1.0	1 - 3	秋AB	随時	総合B811	ミラー ニール	In this practical course students will develop skills to help them present their research in English with clarity and confidence. The course will be divided into three parts. In Part 1 students will analyse examples of authentic student presentations and discuss presentation techniques and structure. Part 2 will focus on helping students in creating a short presentation based on an aspect of their own research. Students will learn about ways to engage the audience in their presentations - e.g. the use of simple inclusive language, the use of questions, and techniques for emphasizing the message. They will learn and practice useful phrases for, e.g., opening and closing a presentation, linking ideas and commenting on visuals. There will also be a strong focus on developing clear diction - e.g. word stress, sentence stress and pausing. In Part 3 students will make a short presentation on an aspect of their research to the class. Throughout the course there will be ample opportunities for students to practice giving presentations, practice the language and techniques and receive feedback.	英語で授業。
02CA107	サイエンスコミュニケーションII	2	1.0	1 - 3	春AB	随時	総合B811	ミラー ニール	In this course students will discuss and debate current topics in science and technology in order to develop their skills for spoken academic communication in English. These skills will include (1) avoiding and repairing communication breakdowns, (2) sounding natural in English, (3) politeness and directness in English, and (4) discussion skills (e.g. giving an opinion, agreeing, disagreeing and asking for clarification). Students will apply what they learn in a number of practical group tasks - e.g. a simulation of a student-led seminar, and a class debate on a topical issue. There will also be ample opportunities to develop active listening skills - e.g. through listening to authentic lectures in English.	英語で授業。
02CA108	サイエンスコミュニケーションII	2	1.0	1 - 3	秋AB	随時	総合B812	ミラー ニール	In this course students will discuss and debate current topics in science and technology in order to develop their skills for spoken academic communication in English. These skills will include (1) avoiding and repairing communication breakdowns, (2) sounding natural in English, (3) politeness and directness in English, and (4) discussion skills (e.g. giving an opinion, agreeing, disagreeing and asking for clarification). Students will apply what they learn in a number of practical group tasks - e.g. a simulation of a student-led seminar, and a class debate on a topical issue. There will also be ample opportunities to develop active listening skills - e.g. through listening to authentic lectures in English.	英語で授業。