

[Title]			[Instructor]		
Communications in Sciences			Masanori Hanawa		
[Code]	[Credits]	[Program]	[Semester]	[Hours]	[Language of instruction]
GSC503 E	1	Graduate School Common Courses	Intensive	/	Japanese/ English
[Outline and purpose]					
Nowadays, it is important communicating politely with non-professionals and gaining understanding on the importance of science or engineering, and outcomes from research activities. In this class, communication methodologies are discussed to gain skills for expression and negotiation as internationally reliable professional. Participants give presentations appealing their own research activities and those are peer-reviewed among participants.					
[Objectives]					
<ul style="list-style-type: none"> <li>- Being able to explain importance of the science communications</li> <li>- Being able to prepare presentations standing in audience shoes</li> <li>- Being able to give scientific/technical presentations in English</li> </ul>					
[Requirements]					
<ul style="list-style-type: none"> <li>- Being able to read logical articles written in English</li> <li>- Owing scientific/technical contents on own research activities</li> </ul>					
[Evaluation]					
Story, logic and the ease of understanding of given presentation are evaluated					
[Textbooks]					
Kyota Ko, Simon Gillett / 著・近藤科江, 山口雄輝 / 監, テツヤ、ディスカッションしようか, 羊土社, ISBN:978-4-7581-0846-1 愛場吉子, 英語のプレゼン 直前 5 日間の技術, アルク, ISBN:978-4-7574-2492-0					
[References]					
[Schedule]					
<ol style="list-style-type: none"> <li>1. Introduction to Science Communication</li> <li>2. English expression for scientific/technical discussion (1): How to design a scientific/technical presentation</li> <li>3. English expression for scientific/technical discussion (2): Making bold outline using paper cards</li> <li>4. English expression for scientific/technical discussion (3): Making slides being able to transfer messages</li> <li>5. English expression for scientific/technical discussion (4): Choosing expressions for better presentation</li> <li>6. Presentations in English and peer-reviews (1)</li> <li>7. Presentations in English and peer-reviews (2)</li> <li>8. Summary</li> </ol>					

[Title]			[Instructor]		
Communications in Sciences			All academic supervisors		
[Code]	[Credits]	[Program]	[Semester]	[Hours]	[Language of instruction]
GSC503 F	1	Graduate School Common Courses	Intensive	/	Japanese/ English
[Outline and purpose]					
It is becoming increasingly important to correctly communicate the importance of science and the results of research to non-specialists. In this lecture, students will learn the methodology of communication in order to improve their ability to express and negotiate as a highly-skilled professional, and to improve their international acceptance and credibility. Students will be required to make presentations of their research to others and evaluate each other's presentations in order to develop communication skills. Oral presentations and writing papers in English will also be taught.					
[Objectives]					
To understand the importance of science communication and to be able to think about the content of presentations from the standpoint of others. To learn practical English in the field of science and technology and to be able to give presentations in English.					
[Requirements]					
[Evaluation]					
Students will be evaluated on the content of their presentations					
[Textbooks]					
[References]					
[Schedule]					
<ol style="list-style-type: none"> <li>1. The importance of science communication</li> <li>2. English expressions for discussion (1), Introduction and structure of presentation</li> <li>3. English expressions for discussion (2), Making slides (1)</li> <li>4. English expressions for theory (3), Making slides (2)</li> <li>5. English expressions of theory (4), Final check of presentation</li> <li>6. Presentation in English and peer evaluation (1)</li> <li>7. Presentation in English and peer evaluation (2)</li> <li>8. Conclusion</li> </ol>					

[Title]			[Instructor]		
Communications in Sciences			Lianhua Jin		
[Code]	[Credits]	[Program]	[Semester]	[Hours]	[Language of instruction]
GSC503 G	1	Graduate School Common Courses	Intensive	/	Japanese/ English
[Outline and purpose]					
<ul style="list-style-type: none"> <li>• Introduce the importance of communications in scientific fields.</li> <li>• Instruct the difference and analogy between communications in science and those in other fields.</li> <li>• Students can practice scientific communications in English.</li> </ul>					
[Objectives]					
This lecture aims to instruct students how to express scientific topics by using several tools, especially English.					
[Requirements]					
All students need to prepare scientific or social topics for each lesson, and discuss each other in English. Afterwards, each person presents his/her own research work in English.					
[Evaluation]					
Evaluate toward scientific presentation and English communication.					
[Textbooks]					
None					
[References]					
None					
[Schedule]					
<ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Express scientific topics in Japanese, English, and other tools (1)</li> <li>3. Express scientific topics in Japanese, English, and other tools (2)</li> <li>4. Introduce his/her own research work in Japanese and English (1)</li> <li>5. Introduce his/her own research work in Japanese and English (2)</li> <li>6. Practice presentations in English</li> <li>7. Practice presentations in English</li> <li>8. Summary</li> </ol>					

[Title]			[Instructor]		
Communications in Sciences			each academic supervisors		
[Code]	[Credits]	[Program]	[Semester]	[Hours]	[Language of instruction]
GSC503 I	1	Graduate School Common Courses	Intensive	/	English/ Japanese
[Outline and purpose]					
It is increasingly important to properly communicate the value of science and the results of research to people who are not experts. In this lecture, students will learn the communication methodology to refine expression capabilities and negotiation abilities as professionals and improve international versatility and reliability. Specifically, students will develop presentations in English to convey their research contents to others and develop communication skills by mutually evaluating the contents.					
[Objectives]					
Understand the importance of science communication and prepare the presentation materials from audience viewpoint. Learn practical English in the field of science and technology and develop presentation materials in English.					
[Requirements]					
Lecture on knowledge and expression techniques necessary for English expression in science and technology fields. Practice communication necessary for discussion in English. Solve a given task and present it in English.					
[Evaluation]					
Presentation and others (100%) Efforts on exercises such as presentation will be evaluated.					
[Textbooks]					
[References]					
[Schedule]					

[Title]			[Instructor]		
Communications in Sciences			Kei Nishida		
[Code]	[Credits]	[Program]	[Semester]	[Hours]	[Language of instruction]
GSC503 D	1	Graduate School Common Courses	Intensive	/	Japanese/ English
[Outline and purpose]					
It is becoming increasingly important to correctly communicate the importance of science and the results of research to non-specialists. In this lecture, students will learn the methodology of communication in order to improve their ability to express and negotiate as a highly-skilled professional, and to improve their international acceptance and credibility. Students will be required to make presentations to communicate their research to others and evaluate each other's presentations in order to develop communication skills. Oral presentations and writing papers in English will also be taught.					
[Objectives]					
<ul style="list-style-type: none"> <li>- Understand the importance of science communication and be able to think about the content of presentations from the standpoint of others.</li> <li>- To learn practical English in the field of science and technology, and to be able to give presentations in English.</li> </ul>					
[Requirements]					
<ul style="list-style-type: none"> <li>- This course is designed to provide students with the knowledge and skills necessary to express themselves in scientific English.</li> <li>- Practice communication skills necessary for discussions in English.</li> <li>- Students will research a given topic and make a presentation in English.</li> </ul>					
[Evaluation]					
Presentations (10%): Evaluation on the content of their presentations in their approach to exercises such as presentations.					
[Textbooks]					
Nothing special					
[References]					
Nothing special					
[Schedule]					
<ol style="list-style-type: none"> <li>1. Importance of science communication</li> <li>2. English expressions for discussion (1): Presentation Structure and Introduction</li> <li>3. English expressions for discussion (2): Making slides (1)</li> <li>4. English expressions for theory (3): Making slides (2)</li> <li>5. English expressions of theory (4): Final check of presentation</li> <li>6. Presentation in English and peer evaluation (1)</li> <li>7. Presentation in English and peer evaluation (2)</li> <li>8. Summary</li> </ol>					

