

Course Name	Being Young in Super-Ageing Japan		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	2000	Course Number	027001
Instructor(s) (Institution)	HOMMERICH CAROLA 大学院文学研究院		
Course Objectives	<p>Over the past two decades, Japan has seen growing inequality triggered by an increase of precarious employment, rising numbers of unemployed and a retrenchment of company and government welfare. At the same time, social bonds hitherto provided by family, neighbors, or the company have weakened, meaning that there is less of a network to fall back on for support. Both phenomena have been subject to widespread academic and public discourse. In this, the Japanese youth has been one of the main protagonists, being especially affected by structural changes and an increase of social risks.</p> <p>A growing number of young Japanese seems unable to cope with daily life. Various surveys indicate a strong increase in anxieties, cases of clinical depression, social withdrawal, and even suicide among the young. Amidst these developments, results of a longitudinal government survey come as a surprise, which show that the share of 20-29-year-olds who consider themselves satisfied with their life has increased since the 1970s and by the turn of the century has outstripped that of older generations.</p> <p>In this class, we will analyze this seemingly contradictory experience of young Japanese. We will look at various social problems Japanese society is facing today from the perspective of Japanese youth.</p> <p>(I am open to additional topics not included in the syllabus below. Please feel free to suggest anything you find relevant. You are the experts!)</p>		
Course Goals	<p>By the end of this class, you will have learnt about various social problems Japanese society is facing today, and will have understood the specific way they affect Japanese youth.</p> <p>You will have given a class presentation in English and will have written a final report in English.</p>		
Course Schedule	<ol style="list-style-type: none"> 1. Overview 2. Forever young? A theoretical introduction to definitions of youth 3. Being young in an ageing society: Some dilemmas of Japanese youth 4. Happy or anxious: the mental state of Japanese youth Childhood and early adolescence 5. An unequal start? Child poverty and educational chances 6. Problems at school: Bullying, school non-attendance Late adolescence 7. Entering the labour market: finding a job, job security 8. Hikikomori and NEET 9. Not ready for love? Youth and love relationships 10. Political participation 11. Uchimuke: Going abroad as risk? 12. Changing communication: The impact of mobile phones 13. Youth culture Transition to adulthood 14. Achieving financial and emotional independence 15. Final discussion 		
Homework	There will be required readings, which I will upload on Moodle.		
Grading System	<p>You will be graded based on the following four aspects:</p> <ol style="list-style-type: none"> 1. Class presentation (15-20 minutes) on a topic of your choice 2. Final paper on the topic of your presentation (5 to 10 pages, 11-12pt font). 3. Active participation in class and group discussions. 4. Class attendance: You can miss a maximum of 2 classes unexcused. If you miss more without contacting me to excuse yourself, you fail the class. <p>Classroom contribution + attendance: 30% Class presentation: 30% Final paper: 40%</p>		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information			

Course Name	Countries and Cultures		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027002
Instructor(s) (Institution)	LA FAY MICHELLE KAY 大学院文学研究院		
Course Objectives	Students will explore how their countries have influenced other countries and how other countries have influenced their own country. Students will be able to form a new picture of their own country's identity by combining knowledge of their country with the image of their country from the outside.		
Course Goals	<ol style="list-style-type: none"> 1. Students will gain the ability to see their own country from a different viewpoint. 2. Students will become able to assess how countries' perceive one another and to what extent those perceptions can be judged accurate. 3. Students will identify a "myth" that supports their country and explain about the elements of this myth. 		
Course Schedule	<p>Week 1: Class guidelines and expectations, Let's get acquainted ice-breaking session</p> <p>Week 2: What is a "myth" in this context?</p> <p>Week 3: What do we believe about our countries?</p> <p>Week 4: How did the US influence Hokkaido and how did Hokkaido influence the US?</p> <p>Week 5: How did your country influence Japan? How did Japan influence your country?</p> <p>Week 6: Our countries: Inside looking out and outside looking in</p> <p>Weeks 7 & 8: Discussion: Our countries in the media</p> <p>Week 9: Know Thy Country: A case study</p> <p>Week 10: Group work: Identifying Your Country's "Myth"</p> <p>Weeks 11 & 12: Know Thy Country: Individual student presentations</p> <p>Week 13: The Value of Mutual Influence</p> <p>Week 14: The Future: International? Transnational? Global?</p> <p>Week 15: Wrap-up session and self-evaluation</p>		
Homework	Preparation for presentations, including research and reading, will be conducted outside of class. Group/pair work may also involve meeting outside of class.		
Grading System	<p>Group work/presentations: 50%</p> <p>Writing (reflection papers)and quizzes 25%</p> <p>Individual presentation: 25%</p>		
Textbooks / Reading List	The Better Nature of Our Angels Why Violence Has Declined Steven Pinker Penguin Books 2012		
Websites			
Website of Laboratory			
Additional Information	Supplementary materials will be provided by the instructor.		

Course Name	Historical International Experiences		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027003
Instructor(s) (Institution)	LA FAY MICHELLE KAY 大学院文学研究院		
Course Objectives	This course will focus on Meiji and Taisho era Japanese women who went abroad and on women missionaries who came to Japan. Reading the firsthand accounts of their experiences will provide new perspectives on situations of women in the Meiji and Taisho eras.		
Course Goals	<ol style="list-style-type: none"> 1. Students will see the lives of women through firsthand accounts. 2. Students will consider what kind of influence, directly and indirectly, Protestant Christianity had on women in the Meiji and Taisho eras. 3. Students will be able to identify how these women influenced society. 		
Course Schedule	<p>Week 1: Let's get acquainted! Class guidelines and expectations.</p> <p>Week 2: Why look at historical international experiences?</p> <p>Week 3: The Girls of the Iwakura Mission: Life in the US</p> <p>Week 4: Return of the Girls of the Iwakura Mission: Disappointment and Development</p> <p>Week 5 Women Missionaries: Britain</p> <p>Week 6: Women Missionaries: USA</p> <p>Week 7: Women and Education</p> <p>Week 8: Women's Lives in Japanese Society</p> <p>Weeks 9 and 10: Student presentations: Students will form groups and investigate and introduce historical international experiences.</p> <p>Week 11: Comments on presentations</p> <p>Week 12: How about women in your country?</p> <p>Week 13: How does the international experience of the past compare to that of today?</p> <p>Week 14: Wrap-up session</p> <p>Week 15: Final project</p>		
Homework	Students will be expected to actively participate in discussions. Reading, research, and preparation for presentations will be conducted outside of class.		
Grading System	<p>Class work/Presentations: 50%</p> <p>Writing (reflection papers) and quizzes 25%</p> <p>Final project: 25%</p>		
Textbooks / Reading List	<p>Daughters of the Samurai A Journey from East to West and Back Janice P. Nimura W. W. Norton Company & Inc. 2015</p> <p>Unexpected Destinations: The Poignant Story of Japan's First Vassar Graduate Akiko Kuno Kodansha International 1993</p>		
Websites			
Website of Laboratory			
Additional Information	Supplementary materials will be provided by the instructor.		

Course Name	Invitation to Sociology		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027004
Instructor(s) (Institution)	Yoshihide SAKURAI 大学院文学研究院		
Course Objectives	The goal of this course is to enrich social scientific perspective and concept in order to look at carefully Japanese society. Therefore, in this seminar we will use the fundamental text book of sociology in English and understand the concept of sociology by the terminology of Anglo-American sociology.		
Course Goals	This course is conducted in English and Japanese. Through these bilingual language lecture and occasional discussion in class students will learn contemporary Japanese society and other world, including the topic of various things.		
Course Schedule	<p>In this course students will learn sociological concept and theory by reading the text book, one topic per a week. However, in case students do not sufficiently understand the contents of assigned pages, another week will be added for supplement class.</p> <p>1 invitation to sociology 2 culture and identity 3 families and households 4 wealth-poverty and welfare 5 education, 6 health 7 mass media 8 class 9 crime 10 belief</p>		
Homework	Reading the chapter of textbook is required as a preparation.		
Grading System	Attendance(20%), mid-term report(30%), final exam(50%)		
Textbooks / Reading List	アンビシャス社会学 櫻井義秀編 北海道大学出版会 2015 霊と金 櫻井義秀 新潮社 2009		
Websites			
Website of Laboratory	https://sakurai.cambria.ac/		
Additional Information			

Course Name	Contemporary Philosophy (Lecture) : Dynamic Epistemic Logic and its Applications		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	5000	Course Number	027005
Instructor(s) (Institution)	Katsuhiko SANO 大学院文学研究院		
Course Objectives	Epistemic logic models knowledge and belief in multi-agent systems. Dynamic epistemic logic models change of knowledge and belief. We provide a comprehensive and basic introduction into dynamic epistemic logic, going in detail into the semantics, with lots of examples and hands-on exercises, and treating topics such as expressivity, axiomatization, and bisimulation. The course will cover: (i) knowledge and belief, and group epistemic notions general knowledge, common knowledge, and distributed knowledge; (ii) Public announcement logic, and unsuccessful updates; (iii) Action model logic, semi-public events, fully private events; (iv) Plausibility models and belief revision, i.e., integrated knowledge and belief change, including modellings of (the event of) lying; (v) Factual change, embeddings into temporal epistemic logic (protocol-generated forests), and various matters involving change of distributed knowledge and common knowledge. This includes the so-called resolution of distributed knowledge: how to make (some of it) common knowledge.		
Course Goals	By the end of this course, students will be able to 1. use formal languages of the dynamic logics to describe examples, 2. derive consequences from the assumptions captured in these languages, and 3. use formal language to discuss various conceptual issues.		
Course Schedule	Lectures 1-3: Epistemic logic (knowledge and belief, and alternative notions of knowledge; general knowledge, common knowledge, and distributed knowledge) Lectures 4-6: Public announcement logic, and unsuccessful updates (including interaction with group epistemic notions and applications to cards cryptography) Lectures 7-9: Action model logic, semi-public events, fully private events. Lectures 10-12: Plausibility models and belief revision, i.e., integrated knowledge and belief change, including modellings of (the event of) lying Lectures 13-15: Factual change, embeddings into temporal epistemic logic (protocol-generated forests), resolving distributed knowledge		
Homework	Students will be given exercises both in the class and for homework		
Grading System	Your grade will be determined how well you demonstrate your achievement of the course goals in the paper in which you 1. use formal language(s) of the dynamic logics to describe examples you discuss (30%), 2. derive consequences from the assumptions captured in these languages (30%), and 3. discuss the conceptual issue(s) you choose for your final project (40%).		
Textbooks / Reading List	There is no main textbook for this course. The principal material consists in slides of lectures, which will be regularly made available online prior to the start of the course. In addition, we will refer to a number of textbooks and materials. The materials listed in the following "Reading List" will be of much help. One Hundred Prisoners and a Light Bulb Hans van Ditmarsch, Barteld Kooi Springer 2015 Dynamic Epistemic Logic Hans van Ditmarsch, Wiebe van der Hoek & Barteld Kooi Springer 2007 Logical Dynamics of Information and Interaction Johan van Benthem 2011 2011 Handbook of Epistemic Logic Hans van Ditmarsch, Joe Halpern, Wiebe van der Hoek, Barteld Kooi (eds.) College Publications 2015 1) Japanese translation (ISBN 9784535788282). In particular, the chapter Dynamic Epistemic Logic. https://www.amazon.co.jp/dp/4535788286 http://personal.us.es/hvd/lightbulb.html		
Websites	This course will be provided as part of the Hokkaido Summer Institute. For more information (invited lecturers, course details, etc.), please visit the website below: https://hokkaidosummerinstitute.oia.hokudai.ac.jp/courses/CourseDetail=G099		
Website of Laboratory			
Additional Information	You can learn how the last year's class was by visiting the following page: in Japanese: https://www.let.hokudai.ac.jp/news/2018/09/14881 in English: https://www.let.hokudai.ac.jp/en/2018/12/11/dynamic-epistemic-logic-and-its-applications-was-held-hokkaido-summer-institute-2018/ Required Equipment for a class: A laptop or tablet will be useful to download the above materials. Recommended Course (Course highly recommended to be taken together with this course): Logic: Introduction to Logic 2019		

Course Name	Logic (Seminar): Introduction to Logic		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	5000	Course Number	027006
Instructor(s) (Institution)	Katsuhiko SANO 大学院文学研究院		
Course Objectives	<p>Logic is a basic tool for evaluating a reasoning. A given reasoning may be evaluated in terms of truth of a sentence or correctness of the use of logical vocabulary. From these two perspectives, this course provides basics of propositional, first-order and modal logics. This course aims to provide basics of propositional logic, first-order logic and modal logic from both semantic and proof-theoretic perspectives. In particular, the course will cover the following topics for each of the three logics:</p> <ol style="list-style-type: none"> 1. What is a general framework of logic? What are syntax, semantics and proof theory? 2. How can we translate or formalize a given natural language sentence into a formula in a logic? 3. How can we establish a validity of a given reasoning or argument? 4. How can we falsify (or provide a counterexample against) a given reasoning or argument? 5. What is a relationship between semantic and proof-theoretic approaches, i.e., an approach based on the notion of truth and an approach based on the behavior of logical connectives? 		
Course Goals	<p>By the end of this course, you will be able to:</p> <ol style="list-style-type: none"> 1. Understand a general framework of logic. 2. Formalize a fragment of English sentences into a formula of a logic. 3. Check if a given reasoning holds in term of both tableau calculus and natural deduction calculus. 4. Provide a counterexample when a given reasoning does not hold, with the help of tableau calculus. 5. Understand the relationship between semantic and proof-theoretic approaches. 		
Course Schedule	<p>Lecture 1: A general framework of logic and semantics of propositional logic: Truth table Lectures 2-3: Proof-theory of propositional logic: Tableau calculus. Lectures 4-5: Proof-theory of propositional logic: Natural deduction calculus, and summary on propositional logic Lectures 6: Syntax of first-order logic and difficulties in multiple quantifications Lectures 7-8: Proof-theory of first-order logic: Tableau calculus. Lecture 9: Semantics of first-order logic: Model Theory Lectures 10-11: Proof-theory of first-order logic: Natural deduction calculus, and summary on first-order logic. Lecture 12: Syntax and Kripke Semantics of Modal logic Lectures 13-14: Proof-theory of modal logic: Tableau Calculus Lecture 15: Proof-theory of modal logic: Natural deduction calculus, and summary on modal logic.</p>		
Homework	<p>All related notions will be introduced and explained in the lectures. To achieve the course goals, it is quite important and necessary for you to solve exercises to check if you understand the contents property. In this respect, there will be exercise sessions in almost all lectures. Moreover, there will be four homework assignments during the whole schedule.</p>		
Grading System	<p>Your grade will be determined by how well you demonstrate your achievement of the Course Goals though:</p> <ol style="list-style-type: none"> 1. Your contributions to exercise sessions (20%) 2. Homework assignments (80%, there will be four assignments and each is counted as 20%) 		
Textbooks / Reading List	<p>None. English handouts will be distributed in each lecture. Will be provided during the course.</p>		
Websites	<p>https://www.let.hokudai.ac.jp/news/2018/08/14772/ For more information (invited lecturers, course details, etc.), please visit the website below: https://hokkaidosummerinstitute.oia.hokudai.ac.jp/courses/CourseDetail=G096</p>		
Website of Laboratory			
Additional Information	<p>Please visit the following URLs that show actual class activities in 2018 in Japanese: https://www.let.hokudai.ac.jp/news/2018/08/14772/ in English: https://www.let.hokudai.ac.jp/en/2018/12/11/introduction-to-logic-was-held-hokkaido-summer-institute-2018/ Recommended Course (Course highly recommended to be taken together with this course): Contemporary Philosophy : Dynamic Epistemic Logic and its Applications 2019</p>		

Course Name	Regional Sciences (Lecture): General Theory of Invasive Alien Species Management		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	5000	Course Number	027007
Instructor(s) (Institution)	Toru IKEDA 大学院文学研究院		
Course Objectives	<p>Invasive Alien Species (IAS) are a concern around the world and the management of IAS is urgent problem to prevent or reduce their impacts. Many countries struggle with this problem with varying amounts of success. New Zealand, because it has very high numbers of IAS, has very highly developed systems and tools and strategies for IAS management. This course provides the latest information about IAS control not only in New Zealand but also globally including recent developments for management of IAS in Japan. Course objective is to learn the fundamental knowledge and techniques for controlling IAS and frameworks for thinking systematically about IAS management actions and outcomes. The course will also consider social and political aspects of IAS issues which are becoming increasingly important in influencing ability to control species and the tools that can be used.</p>		
Course Goals	<p>By the end of this course you will:</p> <ol style="list-style-type: none"> 1. Have an understanding why should we eradicate or control IAS 2. Have an understanding about the basic approaches to IAS issues: Prevention, EDRR, Eradication and Sustained Control 3. Have an understanding of the methods and tools available for IAS control and eradication, including legislation 4. Know the criteria for eradication and understand the difference from sustained control 5. Have an understanding about social and political aspects of IAS issues 		
Course Schedule	<p>We will learn basic knowledge about IAS control and discuss the effective and efficient methods for management of IAS. The course will cover following topics, providing examples from Japan, New Zealand and other countries.</p> <ol style="list-style-type: none"> 1. Course introduction - Invasion curve and management responses 2. Invasive species management - principles and strategies 3. Legislation 4. Weed management 5. Disease management 6. Vertebrate pest management 7. Control Methods (1) Trapping/exclusion/shooting/etc. 8. Control Methods (2) Chemical control - toxins, repellents 9. Control methods (3) Biological control 10. Eradication 11. Surveillance and Monitoring methods 12. Social issues, non-target risks and animal welfare 13. Cost and benefits of management 14. Discussion toward the implementation of effective measures in Japan 15. General discussion of global IAS issues 		
Homework	Students are recommended to read the publications listed below. At the end of each lecture you will be given a short test about the topic covered in the lecture. You will also be asked to write an essay about the eradication of invasive species on islands.		
Grading System	<ol style="list-style-type: none"> 1. Test results: 70% 2. Essay about invasive species management: 30% 		
Textbooks / Reading List	<p>No textbook required. Handouts will be distributed http://www.pestsmart.org.au/wp-content/uploads/2016/02/300Braysher.pdf Veitch, C. R., Clout, M. N. and Towns, D. R. (eds.). (2011) Island invasives: eradication and management. IUCN, Gland, Switzerland. ISBN: 978-2-8317-1291-8 (Available free at http://www.issg.org/pdf/publications/Island_Invasives/IslandInvasives.pdf) http://www.landcareresearch.co.nz/science/plants-animals-fungi/plants/weeds</p>		
Websites	<p>This course will be provided as part of the Hokkaido Summer Institute. For more information (invited lecturers, course details, etc.), please visit the website below: https://hokkaidosummerinstitute.oia.hokudai.ac.jp/courses/CourseDetail=G088</p>		
Website of Laboratory	<p>https://www.let.hokudai.ac.jp/research/human-sciences/4-4regional/ [Japanese] https://www.landcareresearch.co.nz/home</p>		
Additional Information	<p>For HU students: HSI2019 'Social Ecology : Principles of Invasion Ecology 2019' is recommended to be taken as a foundation for invasive alien species issues. Please visit the following website that shows actual class activities in 2018 in Japanese: https://www.let.hokudai.ac.jp/news/2018/08/14683/ in English: https://www.let.hokudai.ac.jp/en/2018/12/11/general-theory-of-invasive-alien-species-management-was-held-hokkaido-summer-institute-2018/</p>		

Course Name	Philosophy(Lecture): Introduction to Enactivism: Moving to Know, Knowing to Move		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	5000	Course Number	027008
Instructor(s) (Institution)	Shigeru TAGUCHI 大学院文学研究院		
Course Objectives	According to enactivism, our experience of the “outer world” is not a “photographic” representation of the “ready-made” world. Instead, the world is “made up” by our bodily action in a sense, while our body is moving in the world and dependent on it. So there is a characteristic loop here, which is stressed by enactivism. It will be very interesting to be involved in this strange loop by discussing enactivism in the course lectures and participating in several experiments with devices such as “Enactive Torch.” By this experience, students can examine and might renew their view of the world, reality, and self. In this way, they will understand why enactivism has been making such impacts on philosophy, neuroscience, cognitive science, artificial intelligence, robotics, etc.		
Course Goals	Through this course, students will 1. understand what is the enactive approach to experience, cognition, self, and the world. 2. acquire knowledge of a phenomenological interpretation of enactivism. 3. acquire knowledge of enactive approaches in the field of neuroscience. 4. find clues to explore a new conception of self and the world that might open new possibilities for alternative ways of acting and knowing.		
Course Schedule	Day 1 1. Introduction 2. The history of enactivism (1) 3. The history of enactivism (2) Day 2 4. What is enactivism? (1) 5. What is enactivism? (2) 6. Experimental practice (1) Day 3 7. Phenomenological interpretation of enactivism (1) 8. Phenomenological interpretation of enactivism (2) 9. Experimental practice (2) Day 4 10. Enactivism in neuroscience (1) 11. Enactivism in neuroscience (2) 12. Experimental practice (3) Day 5 13. Students’ presentation 14. Students’ presentation 15. Closing discussion		
Homework	It is recommended to read at least a part of the literature in the following reading list.		
Grading System	The grades will be determined by how well students demonstrate their achievement of the course goals through 1. participating in discussions and experiments. 50% 2. giving a presentation about their own idea. 50%		
Textbooks / Reading List	No textbook is required. The Tree of Knowledge. Boston: Shambhala Maturana, HR, Varela, FJ 1987 The Embodied Mind: Cognitive Science and Human Experience. Cambridge Varela, FJ, Thompson, E, Rosch, E MIT Press 1991 Action in Perception. Cambridge Noe, Alva 2004 2004		
Websites	This course will be provided as part of the Hokkaido Summer Institute. For more information (invited lecturers, course details, etc.), please visit the website below: https://hokkaidosummerinstitute.oia.hokudai.ac.jp/courses/CourseDetail=G089		
Website of Laboratory			
Additional Information	HSI2018 Lecture: “Self in Phenomenology and Japanese Philosophy” https://www.let.hokudai.ac.jp/news/2018/08/14711/ in English: https://www.let.hokudai.ac.jp/en/2018/12/11/self-in-phenomenology-and-japanese-philosophy-was-held-hokkaido-summer-institute-2018/		

Course Name	School Education and Society in Japan		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	1 credit
Course level	1000	Course Number	027009
Instructor(s) (Institution)	Madoka TORIYAMA 大学院教育学研究院 Eizo OHNO 大学院教育学研究院 Tomoko KOMAGAWA 大学院教育学研究院		
Course Objectives	To gain a deeper understanding of important aspects and issues concerning education for sustainable development (ESD) of the society with a particular focus upon secondary and higher education as well as child poverty and gender equality in Japan.		
Course Goals	To achieve a critical and constructive thinking associated with education for sustainable development (ESD) in Japan on the basis of active learning in both lectures and visits to a secondary school.		
Course Schedule	<ul style="list-style-type: none"> • A brief review of school education in Japan • Curriculum and teaching materials • Child poverty in Japan I : Background, policy and institutions • Child poverty in Japan II : Research • Gender Studies in Your Lives • Gender Equality in Employment <p>This course consists of the six lectures described above and a school visit. You make a class observation and have a discussion with students at a secondary school.</p>		
Homework	Each lecturer will provide a set of handouts.		
Grading System	Evaluation will be made based on active class participation and a term paper.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information			

Course Name	Globalization and Sustainability: Local Knowledge and Diversity		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	1 credit
Course level	2000	Course Number	027010
Instructor(s) (Institution)	Madoka TORIYAMA 大学院教育学研究院 Takashi ITOH 大学院教育学研究院 Jeffry Joseph GAYMAN 大学院メディア・コミュニケーション研究院		
Course Objectives	To understand issues and problems of sustainable development from the varied perspectives.		
Course Goals	<p>-To achieve to examine and discuss about relationship between indigenous peoples and sustainable development.</p> <p>-To achieve to understand the specific issues Ainu people has, and examine and discuss about relationship between these issues and sustainable development.</p>		
Course Schedule	<p>Lectures include the following contents</p> <ul style="list-style-type: none"> -Issues indigenous people has and sustainable development -The present situation of Ainu people and issues of sustainable development from them <p>First lecture will be orientation.</p> <p>On the following week of each lecture, conduct group learning on the contents of the lecture.</p> <p>Conduct group learning related to Course Goals and presentation.</p> <p>This course will be held jointly with ESD Pre-Learning 2019.</p> <p>It is necessary to discuss with students with different cultural background and English ability.</p>		
Homework	There is a possibility to do group learning and field work outside the course hours to prepare for presentation.		
Grading System	Evaluation will be made based on active group learning participation and the presentation.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information			

Course Name	Law, Rights, and Legal Culture		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027011
Instructor(s) (Institution)	Ko HASEGAWA 大学院法学研究科		
Course Objectives	<p>(1) Educational Objectives: a) Lecture/Seminar in English in the General Education Program of Hokkaido University, as well as in MJSP and the Nitobe College Program; b) Introduction to the World of Law and Rights and Its Basic Characteristics</p> <p>(2) Academic Objectives: a) Grasping the Key Features of Modern Law, Rights and Legal Culture; b) Learning Important Legal Issues Today, particularly concerning the Problems of Human Rights</p>		
Course Goals	<p>(1) Learn basic perspective and terminologies in law, rights, human rights, and legal culture</p> <p>(2) Try to think in English</p> <p>(3) Hold collaborative spirit to discuss various points with other fellow students</p>		
Course Schedule	<p>Week 1 Guidance Theme, Approach</p> <p>Week 2 Part I Norm in Human Life—Normative Language, Normative Thinking</p> <p>Week 3 Societal Norms—Convention, Ethics, Morality, Law</p> <p>Week 4 Law & Rights—Rules, Standards, Legal System</p> <p>Week 5 Practice of Law—Legal Structure, Legal Process, Legal Behavior</p> <p>Week 6 Legal Culture—Ingredients of the Idea of Law, Legal Traditions of the World</p> <p>Week 7 Western and East Asian Law—Western Law, Japanese Law, East Asian Laws</p> <p>Week 8 Interlude: Discussion with a Guest on Comparative Legal Culture</p> <p>Week 9 Part II The Concept of Human Rights—Significance, Conceptual Features</p> <p>Week 10 Varieties of Human Rights—Principles and Treaties, Practices</p> <p>Week 11 Domestication of Human Rights—Distinctions, Tensions, Japanese Situation</p> <p>Week 12 Human Rights Culture—Cultural Relativity, Limits of the Rights Talk</p> <p>Week 13 Human Rights in Japan—Individual Freedom, Gender and Racial Equality</p> <p>Week 14 Reconstruction of Human Rights in East Asia—Accommodations, Diversity</p> <p>Week 15 Wrap-up Review and Future Perspective</p>		
Homework	See, for example, basic course materials: http://lex.juris.hokudai.ac.jp/~hasegawa/coursematerials.htm		
Grading System	<p>(1) Combination of Lecture, Seminar, and Q&As</p> <p>(2) Reaction Papers—Two Reaction Papers after Week 5 and Week 11.</p> <p>(3) Intermediate Assignment and Final Essay—After Part I and after Part II.</p> <p>(4) Course Evaluation—12 weeks attendance and the submissions of (2) & (3) for pass.</p>		
Textbooks / Reading List	None in particular		
Websites			
Website of Laboratory	http://lex.juris.hokudai.ac.jp/~hasegawa/works.htm		
Additional Information			

Course Name	Introduction to Law in English (Civil Law)		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027012
Instructor(s) (Institution)	Branislav HAZUCHA 大学院法学研究科		
Course Objectives	<ul style="list-style-type: none"> • to compare differences between Common Law and Civil Law legal regimes and to deepen knowledge of private law by reading legal documents (especially those related to the laws of contract and torts) and current news (related to law) in English. 		
Course Goals	<ul style="list-style-type: none"> • to get acquainted by English legal terminology. • to acquire skills to read legal articles and current news in English and to broaden knowledge of English and American private law. 		
Course Schedule	<ul style="list-style-type: none"> • Careful reading of prepared legal documents in English. It is essential that the participants prepare themselves beforehand. • Reading of suitably selected current news in English. Themes will be selected diverse topics related to private law. 		
Homework	Preparation and review for each class and review of current news are required.		
Grading System	The assessment is based on attendance, active participation and final report.		
Textbooks / Reading List	Professional English in use, law Gillian D. Brown, Sally Rice Cambridge University Press 2007 Reading Materials (selection of articles) will be distributed later. An Introduction to the Comparative Study of Private Law: Readings, Cases, Materials James Gordley and Arthur Taylor von Mehren Cambridge University Press 2009 Introduction to comparative law Konrad Zweigert and Hein Kotz Oxford University Press 1998		
Websites			
Website of Laboratory			
Additional Information			

Course Name	Law and Economics I		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027013
Instructor(s) (Institution)	Branislav HAZUCHA 大学院法学研究科		
Course Objectives	This course introduces participants to law-and-economic analysis. It presents core methodologies used by law-and-economics analysis and applies them to main areas of private law, such as laws of property, contract and torts.		
Course Goals	The course goal is to provide participants with nonconventional insights into private law, which are allowed by law-and-economics analysis. They will learn basic methodologies used by law-and-economics analysis of law and their application on private law with the focus on property, contract and tort law. They will also be provided with examples of applying law-and-economics analysis on specific legal controversies faced by individual branches of private law.		
Course Schedule	<p>Lectures will proceed in the following order:</p> <ol style="list-style-type: none"> 1. What is Law & Economics? 2. Basic tools in Law & Economics 3. Distribution of resources and the operation of market 4. Perfect competitive market model 5. Coase Theorem 6. Economics of property rights 7. Private property and public property 8. Transfer of property 9. Property infringement 10. Legal act and intent expression 11. Public order and standard of decency 12. Efficient breach of contract 13. Economics of torts I 14. Economics of torts II 15. Economics of torts III <p>The lectures will be held in English with presentation slides available in English and Japanese.</p>		
Homework	It is necessary to read assigned texts as pre-class preparation. In addition, participants are expected as part of post-class revision to deepen their understanding by comparing law-and-economics approaches presented during classes with traditional approaches to studied legal problems.		
Grading System	The overall assessment will be made upon attendance (10%), multiple mini-reports submitted during the course (40%) and the final report (50%). English or Japanese can be used.		
Textbooks / Reading List	<p>数理法務概論 ハウエル・ジャクソン [ほか] 著 ; 神田秀樹, 草野耕一訳 有斐閣 2014 法と経済学—新しい知的テリトリー[第2版] 林田清明 信山社 2002 エコノリーガル・スタディーズのすすめ・社会を見通す法学と経済学の複眼思考 柳川隆・高橋裕・大内伸哉 編 有斐閣 2014 法と経済学 スティーブン・シャベル(著)、田中亘(翻訳)、飯田高 (翻訳) 2010 2010</p>		
Websites	http://lex.juris.hokudai.ac.jp/~bhazucha/law-economics-i-jp.html http://lex.juris.hokudai.ac.jp/~bhazucha/law-economics-i.html		
Website of Laboratory			
Additional Information			

Course Name	Law and Economics II		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027014
Instructor(s) (Institution)	Branislav HAZUCHA 大学院法学研究科		
Course Objectives	This course introduces participants to public choice theory and its implications for legal studies. It presents the public choice theory's insights on the conduct of main stakeholders, such as members of legislatures, judges, public defenders, bureaucrats and interest groups. It applies those insights to several branches of laws, such as constitutional, environmental and family law.		
Course Goals	The course goal is to provide participants with nonconventional insights into the operation of public law, which are allowed by the law-and-economics analysis, especially public choice theory. The participants will learn about the application of law-and-economics analysis on the operation of public law with the focus on the organization of legislation, judiciary, bureaucracy and interests groups, and on its impact on the adoption, interpretation and application of law. They will also be provided with examples of applying public choice theory on specific legal controversies faced by individual branches of public and private law.		
Course Schedule	<p>Lectures will proceed in the following order:</p> <ol style="list-style-type: none"> 1. Guidance 2. Collective Decision Making 3. Voting 4. Special interest groups 5. Rent-Seeking 6. Social Choice 7. Legislature I 8. Legislature II 9. Legislature III 10. Bureaucrats I 11. Bureaucrats II 12. Bureaucrats III 13. Political economics of judiciary 14. Judges and legislation 15. Analysis of special cases <p>Lectures will be held in English with presentation slides available in Japanese.</p>		
Homework	It is necessary to read assigned texts as pre-class preparation. In addition, participants are expected as part of post-class revision to deepen their understanding by comparing law-and-economics approaches presented during classes with traditional approaches to studied legal problems.		
Grading System	The overall assessment will be made upon attendance (10%), multiple mini-reports submitted during the course (40%) and the final report (50%). English or Japanese can be used.		
Textbooks / Reading List	<p>法と経済学—新しい知的テリトリー[第2版] 林田清明 信山社 2002 Public Choice Concepts and Applications in Law Maxwell L. Stearns,? Todd J. Zywicki West Academic 2009 「法と経済学」による公共政策分析 常木淳 岩波書店 2012 エコノリーガル・スタディーズのすすめ--社会を見通す法学と経済学の複眼思考 柳川隆・高橋裕・大内伸哉 編 2014</p>		
Websites	http://lex.juris.hokudai.ac.jp/~bhazucha/law-economics-ii-jp.html http://lex.juris.hokudai.ac.jp/~bhazucha/law-economics-ii.html		
Website of Laboratory			
Additional Information			

Course Name	Calculus I		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027015
Instructor(s) (Institution)	Roumyana Yordanova 大学院理学研究院		
Course Objectives	<p>Calculus is a subject giving important foundation to natural science and technology. It is also important as the basis of data science applied to social science, medical science and so on.</p> <p>Basic knowledge on sequences and functions of one variable are summarized together with new notions and theorems. Differentiation of functions of several variables and its applications are also explained.</p>		
Course Goals	<p>The skills to be achieved throughout this course are the following:</p> <ul style="list-style-type: none"> - to understand sequences and functions based on intuitive definition of limit; - to master differentiation of functions in one variable and several variables; - to compute approximate values, limits, extremum. 		
Course Schedule	<ol style="list-style-type: none"> 1. Sequences: definition of sequence, limit of a sequence 2. Functions: Functions, graph of a function, types of functions, transcendental functions, continuity and intermediate value theorems, inverse functions, limits of functions 3. Differentiation (one variable): Definition, tangent line, the differentiation of composite and inverse functions. 4. Differentiation (one variable) : Mean value theorem, l'Hopital's rule, Taylor's theorem 5. Differentiation (two variables): Point sets, continuity, limits of functions 6. Differentiation (two variables): Functions of two or more variables, partial derivative, differentials, Taylor's theorem, chain rule of differentiation 7. Differentiation (two variables): Implicit function, Jacobian, partial derivatives using Jacobian, implicit function theorem 8. Differentiation (two variables): Graphs, min/max values, Hesse matrix 		
Homework	Study at home at least four hours per week -- Check basic notions you learn in the course, and try to solve exercises assigned by the teacher.		
Grading System	<p>Students are graded accordingly to whether or not</p> <ol style="list-style-type: none"> 1. he/she masters basic knowledge (definitions, theorems etc); 2. he/she can treat typical example appropriately; 3. he/she can construct mathematical argument correctly; 4. he/she develops a unified understanding of the basic knowledge; 5. he/she is able to apply the knowledge achieved during the course to given problems. 		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	The epsilon-delta definition of limits shall not be explained in detail. Students are recommended to take the course "Linear Algebra I".		

Course Name	Linear Algebra I		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027016
Instructor(s) (Institution)	Michele Torielli 大学院理学研究院		
Course Objectives	<p>This course covers basic knowledge on matrices, linear equations and the determinant. We show several kinds of operations on matrices, and properties of the determinant. We explain how to solve a system of linear equations by elementary row operations, and to compute inverse matrices. We also explain the relation between elementary operations and elementary matrices.</p>		
Course Goals	<p>Students should have the following skills:</p> <ul style="list-style-type: none"> - to master computations on matrices (sums, inverse matrices, rank, determinant etc...); - to solve systems of linear equations; - to understand the relation between elementary operations and elementary matrices; - to use the co-factor expansion of the determinant and Cramer's formula. 		
Course Schedule	<ol style="list-style-type: none"> 1. Matrices -- Definitions, examples, addition, scalar multiplication, linear combinations, multiplication, square matrices, inverses and zero divisors, transposes, partitioning of matrices and direct sums. 2. System of linear equations -- Equivalent systems of equations, row operations on matrices, row echelon form, 3. System of linear equations -- Homogeneous systems of equation, rank, arbitrary systems of equations. 4. System of linear equations -- A general solution for arbitrary systems of equations, inverses of non singular matrices. 5. Determinants -- Definition, basic properties, practical evaluation and transposes of determinants. 6. Determinants -- Cofactors, cofactor matrix, expansions. 7. Determinants -- Cramer's formula, Vandelmonte's matrix, determinants and ranks. 		
Homework	Study at home at least two hours per week -- Check basic notions you learn in the course, and try to solve exercises assigned by the teacher.		
Grading System	<p>Students are graded accordingly to whether or not</p> <ol style="list-style-type: none"> 1. he/she masters basic knowledge (definitions, theorems etc); 2. he/she can correctly answer questions; 3. he/she develops a unified understanding of the basic knowledge; 4. he/she is able to apply the knowledge achieved during the course to given problems. 		
Textbooks / Reading List	<p>To be announced in the first class. To be announced in the first class.</p>		
Websites	https://sites.google.com/site/toriellimichelemaths/home/teaching/linear-algebra-i		
Website of Laboratory			
Additional Information			

Course Name	General Biology I		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	2000	Course Number	027017
Instructor(s) (Institution)	Maria Helena Fortunato Martins 大学院理学研究院		
Course Objectives	<p>Understand the scientific process; distinguish observation, hypothesis, test, and theory</p> <p>Recognize and know properties of the major classes of biological molecules</p> <p>Know the structure and function of cellular membranes and organelles</p> <p>Understand how cells harvest energy from chemical substances</p> <p>Understand how plants trap energy in light and use it to build biological molecules</p> <p>Know the stages of the cell cycle and its role in the life of organisms</p> <p>Recognize the stages of mitosis and meiosis</p> <p>Know the major features of meiosis and its role in the life cycle of organisms</p> <p>Know the biological costs and benefits of sexual reproduction</p> <p>Understand the structure and function of nucleic acids</p> <p>Understand the mechanics of protein synthesis</p> <p>Understand and be able to apply the principles of Mendelian genetics and its modern extensions</p> <p>Understand the chromosomal basis of heredity</p> <p>Understand the basic principles of population genetics</p> <p>Understand the basic principles of evolution</p> <p>Be familiar with the diversity, causes, and consequences of genetic mutations</p> <p>Have an appreciation for the promise and potential problems of biotechnology</p> <p>Understand Darwinian evolution and its modern extensions</p>		
Course Goals	<p>The course will present the fundamental principles and concepts of biology. The course will emphasize how the concepts were originally conceived and tested and how alternatives were rejected. Students will learn and use the fundamental concepts of biology to draw conclusions from data, to develop alternative hypotheses to explain observations, to make predictions, and to design experiments to test hypotheses. In addition, the social and medical implications of biological findings will be developed as classroom discussions</p>		
Course Schedule	<p>Week 1 The Science of Biology, Atoms and Molecules Ch.1 & 2</p> <p>Week 2 Chemical Building Blocks Ch. 3</p> <p>Week 3 Cell Structure (Prokaryotes and Eukaryotes) Ch. 4</p> <p>Week 4 Membranes and Transport Ch. 5</p> <p>Week 5 Energy, Enzymes, Metabolism Ch. 6</p> <p>Week 6 Cellular Harvest of Energy Ch. 7</p> <p>Week 7 Photosynthesis Ch. 8</p> <p>Week 8 Cell Division and Sexual Reproduction Ch. 10 & 11</p> <p>Week 9 Mendelian Genetics Ch. 12 & 13</p> <p>Week 10 DNA & the Genetic Material Ch. 14</p> <p>Week 11 How Genes Work, Expression and Control Ch. 15 & 16</p> <p>Week 12 Biotechnology and Genomics Ch. 17 & 18</p> <p>Week 13 Population Genetics, Evidence for Evolution Ch. 20 & 21</p> <p>Week 14 Origin of Species and Species Concepts Ch. 22 & 23</p> <p>Week 15 Comprehensive Final Exam</p>		
Homework	<p>Students will be given home work every week. Tasks will be related to the material given in class that day. Examples of tasks are: to compare (schematic) animal and plant cells; to compare (schematic) structure and function of Prokaryotes and Eukaryotes; bring an example of how biotechnology can help solve modern society problems; bring an example of evolution in action. They will also prepare 6 short research essays (about 3 pages long including figures and references) based in a series of topics given by the teacher.</p>		
Grading System	<p>Grades will be based on the numeric average of attendance (10%), homework + research (30%), short daily quizzes + mid term exam (35%) and final comprehensive exam (25%). Grades are based not on relative performance evaluation, but on absolute evaluation.</p>		
Textbooks / Reading List	<p>Biology (10th ed.) P. H. Raven, G. B. Johnson, J. B. Losos, K. A. Mason and S. R. Singer McGraw-Hill 2014</p>		
Websites	<p>http://highered.mheducation.com/sites/0073383074/student_view0/index.html</p>		
Website of Laboratory			
Additional Information			

Course Name	Physics I		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027018
Instructor(s) (Institution)	Eun-Kyung PARK 大学院理学研究院		
Course Objectives	In Physics I, students will study matter and energy, their properties and the relation between them. This course covers Newtonian mechanics including: kinematics, the laws of motion, work and energy, systems of particles, momentum, circular motion, waves and Optics.		
Course Goals	The goal of this course is to provide students with understanding of principles and methods of physics by solving problems in physics and mathematics. Students will work on various interactive examples through the course.		
Course Schedule	<p>Week 1: Course syllabus introduction and how to read a science article</p> <p>Week 2: Mechanics: the importance of units & Motion in 1D</p> <p>Week 3: Mechanics: motion in 2D and 3D</p> <p>Week 4: Mechanics: circular motion and Newton's Laws</p> <p>Week 5: Mechanics: forces</p> <p>Week 6: Mechanics: work and energy</p> <p>Week 7: Mechanics: conservation of energy</p> <p>Week 8: Mechanics: momentum and rotation</p> <p>Week 9: Waves: oscillatory motion</p> <p>Week 10: Waves: wave motion</p> <p>Week 11: Waves: fluid motion</p> <p>Week 12: Optics: reflection and refraction</p> <p>Week 13: Optics: mirrors and lenses</p> <p>Week 14: Optics: interference and diffraction</p> <p>week 15 Final exam</p>		
Homework	Homework will be given every two weeks in class and there will be one exam on the final day of the course.		
Grading System	Grades will be based on participation (20%), homework (40%), final exam (40%). Distribution of grades will be approximately 20% Excellent, 30% Very good, 40% Good, Pass 10%.		
Textbooks / Reading List	<p>Fundamentals of Physics: Mechanics, Relativity, and Thermodynamics (The Open Yale Courses Series) R. Shankar Yale University Press</p> <p>Fundamentals of Physics II: Electromagnetism, Optics, and Quantum Mechanics (The Open Yale Courses Series) R. Shankar Yale University Press</p>		
Websites			
Website of Laboratory			
Additional Information	Lectures and quizzes are given using an audience response system (clickers).		

Course Name	Fundamental of Japanese language and culture to take part in the Inter-university exchange project between IIT and HU		
Semester, Year	First Semester, 2019	Number of Credits	1 credit
Course level	1000	Course Number	027019
Instructor(s) (Institution)	Yukinori KOBAYASHI 大学院工学研究院		
Course Objectives	This subject aims at understanding Japanese language and culture to pursue collaborative research on sustainable transportation system and infrastructure with Japanese people. Students should consider the way to contribute on the development in their own special fields. This is also expected to encourage students to develop a vision for the future.		
Course Goals	To promote understanding of Japanese language and culture to improve capability of discussion skill for problem solution.		
Course Schedule	Objectives of STSI Project Basic Japanese Japanese Culture Infrastructure projects in Japan		
Homework	Students will be requested to make a report (500 words) with reference to lecture materials after each lecture.		
Grading System	Grades will be given based on comprehensive assessment of class attendance and reports.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	This is the subject mainly for IIT students of STSI program.		

Course Name	Applied Mathematics for Engineering Mechanics		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	1 credit
Course level	2000	Course Number	027020
Instructor(s) (Institution)	Yukinori KOBAYASHI 大学院工学研究院		
Course Objectives	Differential equations are learned to express equations of motion of dynamic systems. Fourier transform and Laplace transform are essential mathematics to study vibration and control theory. Linear algebra is also important to analyze large scale engineering problem numerically. In this course, the relationship between mathematics and physics can be studied by some applications on engineering mechanics.		
Course Goals	<ol style="list-style-type: none"> 1. Understandings on fundamental treatment of differential equations. 2. Understandings on Fourier transform and Laplace transform. 3. Understandings on frequency response. 4. Understandings on fundamental treatment of linear algebra. 		
Course Schedule	<p>Week1 First-order ordinal differential equation Week2 Second-order ordinal differential equation Week3 Nonhomogeneous differential equation Week4 Fourier series and Fourier transform Week5 Laplace transform Week6 Frequency response and complex plane Week7 Linear algebra and eigenvalue problems Week8 Partial differential equations</p>		
Homework	One hour review about the topic of each week is recommended.		
Grading System	Several assignments are required to submit. 30% assignments 70% final examination		
Textbooks / Reading List	There is no one textbook that adequately responds to the goal of this lecture. Some reading materials and handouts will be prepared for your understanding. Please contact the instructor if you need further advice. Advanced engineering mathematics C. Ray Wylie, Louis C. Barrett McGraw-Hill 1995		
Websites			
Website of Laboratory	http://mech-hm.eng.hokudai.ac.jp/~rd/labo/index_en.html		
Additional Information			

Course Name	Introduction to Robotics		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	1 credit
Course level	2000	Course Number	027021
Instructor(s) (Institution)	RAVANKAR ANKIT 大学院工学研究院		
Course Objectives	<p>This course will give a general introduction to the robotics field. Robotics and Artificial Intelligence are rapidly changing the world we live in. This course will give an overview of robotics systems, applications of robotics in different fields, and will give a brief introduction to some of the main techniques that are used in robotics today. Students will be introduced to the notion of mobile robots, manipulator kinematics, path planning, localization, mapping, and sensing for robotics system. The course also includes some hands on demonstration and practice.</p> <p>*This course assumes that you have no previous knowledge of robotics. However, familiarity with basic mathematical topics such as algebra, vector analysis, calculus and matrices will be helpful. Students with general interest in robotics are welcome.</p>		
Course Goals	<p>General introduction to the field of robotics. At the end of the course you will have an overview and hands on experience on some of the important topics in robotics. The course is expected to motivate the students to pursue advanced studies in robotics during the graduate study.</p> <p>*This course assumes that you have no previous knowledge of robotics. Students with general interest in robotics are welcome.</p>		
Course Schedule	<p>Week 1 Introduction and history of robotics Week 2 State space systems, kinematics of mobile manipulators Week 3 Mobile robots, Sensors and Systems Week 4 Robot Path Planning Week 5 Probabilistic Filters Week 6 Introduction to Localization and Mapping Week 7 Control problems in robotics Week 8 Review and Exam</p>		
Homework	Small reading assignments on general topics in robotics will be given after every class.		
Grading System	<p>Attendance: 30% Homeworks and Quizzes: 30% Final Exam (Presentation on a selected topic): 40%</p>		
Textbooks / Reading List	<p>There is no one textbook that will be followed throughout the course. Handouts will be provided whenever necessary during the lectures. Introduction to autonomous mobile robots Roland Siegwart, Illah R. Nourbakhsh, and Davide Scaramuzza MIT Press 2011</p>		
Websites			
Website of Laboratory	https://mech-hm.eng.hokudai.ac.jp/~rd/labo/index_en.html		
Additional Information			

Course Name	Maintenance Engineering		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	2 credits
Course level	3000	Course Number	027022
Instructor(s) (Institution)	Tamon UEDA 大学院工学研究院		
Course Objectives	The course outlines the basis of maintenance engineering for infrastructures. The role of maintenance for infrastructure in the complete system of structural design, construction and maintenance is shown, followed by the various issues on technology for inspection and assessment of structures, deterioration mechanism in structures and technology for repair and strengthening, technology for demolishing/recycling, and life cycle cost (LCC).		
Course Goals	<ol style="list-style-type: none"> 1. Understand the significance of repair and maintenance (conservation) and its flow. 2. Understand the objectives and technology for inspection. 3. Understand the fundamentals of varieties of deterioration, assessment of existing structures and service life prediction. 4. Understand the basis of intervention technology for extending service life. 5. Understand technologies for dismantlement and recycle/reuse. 		
Course Schedule	<ol style="list-style-type: none"> 1 Introduction: Necessity of maintenance 2 Basis of Maintenance Engineering: Role of maintenance, flow for maintenance works, example of maintenance and management system (bridge management system or BMS), LCC 3 Inspection: Types of inspection, items and technologies for inspection 4 Deterioration Factors and Assessment: Deterioration factors, deterioration mechanism, technology for investigation, prediction of deterioration 5 Technology for Repair and Strengthening: Types of repair and strengthening, technologies for repair and strengthening, evaluation of structural performance after repair and strengthening 6 Technical Visit Visit for maintenance works (inspection, assessment and remedial actions) 7 Mid-term and Final Examination 		
Homework	The students are suggested to study before and after each class based on the handout circulated at class for a couple of hours. Students are asked to submit the answer of in-class exercise within class hours otherwise within the same day. Students are also asked to submit a report on the technical visit.		
Grading System	<p>[Points for Evaluation] The evaluation is conducted in terms of all of five points shown in the above Course Goal.</p> <p>[Criteria for Evaluation] The full mark is 100%. The full mark will be given to the student who satisfies all of five points in the above Course Goal with very high level, while 60% is to the student who satisfies just the minimum requirement of all of the five points.</p> <p>[Evaluation Method] The grading will be done based on the results of Mid-term and Final Examinations as well as the Exercises given in the class. Not only the conceptual understanding but also knowledge on mechanics will be examined by giving numerical questions. The weight is 80% for the Examinations and 20% for the Exercises.</p>		
Textbooks / Reading List	教材を授業中に配布 (インターネットからのダウンロードも可能) The handout will be distributed in the classroom and through the Internet.		
Websites	http://www.eng.hokudai.ac.jp/labo/maintenance/Lecture(Ueda)/MaintenanceEngineering/MaintenanceEngineeri ng.htm		
Website of Laboratory	http://www.eng.hokudai.ac.jp/labo/maintenance/team_ueda/index.html		
Additional Information	The course is taught in English but the material is prepared in both English and Japanese. The course is registered for HUSTEP and International Exchange.		

Course Name	Introduction to Inorganic Materials Science		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	1 credit
Course level	2000	Course Number	027023
Instructor(s) (Institution)	Kiyoharu TADANAGA 大学院工学研究院 NATALY CAROLINA ROSERO NAVARRO 大学院工学研究院 Akira MIURA 大学院工学研究院		
Course Objectives	Ceramics and glass materials are used in several applications, from creating cellular phones, radio, television, and lasers to its role in medicine for cancer treatments and restoring bones, etc. The course aims have been designed to introduce the student to many of the current applications of ceramics and glass materials. Basics scientific concepts like atomic structure and physicochemical properties will be studied to lead the student to understand how these materials functions.		
Course Goals	<ul style="list-style-type: none"> • To identify current applications of ceramics and glass materials. • To understand the basic properties of ceramics and glass materials. • To use new knowledge to describe a ceramic or glass material, making a relation between application and properties. 		
Course Schedule	Lecture 1: Background and present situation of ceramics and glass materials. Lecture 2: Ceramics and Light. Lecture 3: Sol-gel Process. Quiz 1. Lecture 4: Medical Miracles. Quiz 2 Lecture 5: Green ceramics. Quiz 3. Lecture 6: Green glass materials. Final Presentation Lecture 7: Future Applications. Final Presentation Lecture 8: Review. Final exam		
Homework	Report submission will be required. Students have to prepare a presentation on a topic given during lectures.		
Grading System	Evaluation <ul style="list-style-type: none"> • Quiz (20%) • Final report (30%) • Final presentation (25%) • Final exam (25%) 		
Textbooks / Reading List	The Magic of Ceramics, 2nd Edition David W. Richerson John Wiley & Sons 2012 Instructors will provide the additional information to complement the knowledge and achieve the target of the course.		
Websites			
Website of Laboratory	http://www.eng.hokudai.ac.jp/labo/inorgsyn/		
Additional Information			

Course Name	Strengthening Mechanisms of Materials		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	2 credits
Course level	6000	Course Number	027024
Instructor(s) (Institution)	Seiji MIURA 大学院工学研究院		
Course Objectives	Various strengthening mechanisms have been applied for developing alloys. The dislocation theory is a powerful tool for understanding the macroscopic plastic deformation behavior of the metals from the atomic scale viewpoint. Through this course students study mechanisms/models of the behavior of dislocation(s), which are mainly based on elastic energy. Also students study the fracture mechanisms in relation to the dislocation theory. Students will sometimes be required to explain their homework results in this course and to debate on the subjects addressed in the lecture.		
Course Goals	Based on the knowledge on the dislocation theory students are required to construct their ability to be able to discuss on mechanical properties of mainly metallic materials.		
Course Schedule	<p>(1) Advanced elastic theory (2 weeks) Study the definition of stress, strain, elastic energy and relation to thermodynamics</p> <p>(2) Fundamentals of plastic deformations (2 weeks) Study the fundamentals of dislocation theory * Definition of dislocation based on Burgers vector * Strain field of dislocation and the energy of the system * Dislocation multiplication</p> <p>(3) Strengthening mechanisms (8 weeks) Study the strengthening mechanisms and the engineering aspect of strengthening * Strain strengthening and its effect on the high temperature deformation (Creep) mechanisms * Solid solution strengthening * Precipitation strengthening * Effect of grain refinement on the strength</p> <p>(4) Fracture mechanisms (2 weeks) Study the fracture of materials * Stress intensity factor * Weibull distribution</p> <p>(5) Special topic (2 weeks) Study any related hot topic such as the functional materials related to the dislocation behaviors.</p>		
Homework	1 hour-home works in average.		
Grading System	Based on the discussion in the course as a result of homework (40%) and final examination (60%). Final examination is the presentation and discussion on a published literature (a technical paper) related to the subjects of this course.		
Textbooks / Reading List	入門転位論 加藤雅治 裳華房 1999		
Websites			
Website of Laboratory			
Additional Information	As a fundamental knowledge (Undergraduate student level) on materials science (especially on the elastic theory, phase diagram and microstructure control) is required, Students may be examined by a short test at the beginning of the term.		

Course Name	Fracture Mechanics of Composite Materials		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	2 credits
Course level	5000	Course Number	027025
Instructor(s) (Institution)	Takashi MATSUMOTO 大学院工学研究院		
Course Objectives	Fracture and fatigue are one of important degradation mechanisms in infrastructure maintenance. This course describes how to treat fracture and fatigue of construction materials and composite materials with the use of fracture mechanics. Firstly, fundamentals of linear elastic fracture mechanics are introduced. Stress approach and energy approach are explained together with fracture criterion. Secondly, nonlinear fracture mechanics is introduced. The use of nonlinear fracture mechanics is explained for construction materials and composite materials. Finally, two approaches to fatigue are described. Factors affecting fatigue of construction materials and composite materials are explained.		
Course Goals	To understand the fracture and fatigue phenomena in construction materials and composite materials and to utilize fracture mechanics theory to prevent fracture and fatigue in infrastructure maintenance.		
Course Schedule	<p>(1) Introduction (1 class) History and importance of fracture and fatigue accidents in infrastructure</p> <p>(2) Linear elastic fracture mechanics (5 classes) Stress field, stress approach, energy approach, stress intensity factor, energy release rate, fracture criterion, crack stability, superposition principle</p> <p>(3) Nonlinear fracture mechanics (4 classes) Plastic zone correction, cohesive traction, J-integral</p> <p>(4) Fatigue (4 classes) Stress-life approach, fracture mechanics approach</p> <p>(5) Advanced topic (1 class)</p> <p>(6) Final examination (1 class)</p>		
Homework	Reviews of class materials are necessary.		
Grading System	In-class exercises (20%), reports (20%) and final examination (60%)		
Textbooks / Reading List	<p>No textbooks. Handouts and references will be given in the course.</p> <p>Elementary Engineering Fracture Mechanics D. Broek Fatigue of Materials S. Suresh Fundamentals of Metal Fatigue Analysis Julie A. Bannantine 線形破壊力学入門 岡村 弘之</p>		
Websites			
Website of Laboratory			
Additional Information	Basic knowledge on the subjects below is necessary: mechanics of materials, structural mechanics		

Course Name	Computational Solid Mechanics		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	1 credit
Course level	6000	Course Number	027026
Instructor(s) (Institution)	Kosuke TAKAHASHI 大学院工学研究院		
Course Objectives	This lecture aims to teach macroscopic approaches of computational solid mechanics through basic concepts of finite element method.		
Course Goals	<ol style="list-style-type: none"> 1. Understanding the derivation of entire rigidity equation from finite elements in Finite Element Analysis 2. Acquiring simulation skills through assignments and a final report 		
Course Schedule	<ol style="list-style-type: none"> 1. Introduction to computational solid mechanics (1) 2. Finite Element Method (4) 3. Application to non-linear analysis (2) 		
Homework	Preparation: Reading textbooks in advance. (0.5h) Review: Working on assignments after each lecture. (1.5h)		
Grading System	<ol style="list-style-type: none"> (1) Assignments and attitude in classes: 40% (2) Final report: 60% 		
Textbooks / Reading List	Fundamentals of Finite Element Analysis David V. Hutton McGraw-Hill 2004		
Websites			
Website of Laboratory	http://labs.eng.hokudai.ac.jp/labo/MFM/english/		
Additional Information			

Course Name	Soft Matter Physics		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	5000	Course Number	027027
Instructor(s) (Institution)	Shuji FUJII 大学院工学研究院		
Course Objectives	The aim of this course is to provide basic knowledge on rheological methods to study physical properties of soft matter systems.		
Course Goals	To understand basic concept and knowledge of the rheology of soft matter systems.		
Course Schedule	<p>1.Introduction of rheology Viscoelasticity, Phenomenological model, Various rheological measurements</p> <p>2.Physical properties of polymer Gaussian chain, Radius of gyration, Random coil, Rouse chain, Thermodynamics of polymer solution</p> <p>3.Polymer rheology Rubber elasticity, Tube model</p> <p>4.Brownian motion and Microrheology Basic concept of microrheology</p> <p>5.Rheology in other soft matter systems Biopolymer, Biomembranes</p>		
Homework	Homework will be assigned several times during the course.		
Grading System	40% proactive contribution to the course、60% homeworks		
Textbooks / Reading List	<p>No textbooks are required.</p> <p>Introduction to polymer viscoelasticity John J Aklonis, William J MacNight Wiley 1983</p> <p>The Theory of Polymer Dynamics M. Doi, S. F. Edwards Oxford University Press 1988</p>		
Websites			
Website of Laboratory			
Additional Information			

Course Name	Construction Material		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	2 credits
Course level	2000	Course Number	027028
Instructor(s) (Institution)	HENRY Michael 大学院工学研究院 Takashi MATSUMOTO 大学院工学研究院		
Course Objectives	This course is intended to provide students with a fundamental background on the production processes and basic physical properties of common civil engineering construction materials: concrete, steel, asphalt, and wood.		
Course Goals	Upon completion of this course, students should understand the applicability and selection of proper construction materials for the construction of civil infrastructure such as roads, bridges, harbors, etc.		
Course Schedule	<p>1. Introduction to construction materials The first portion of the course introduces the underlying context and basic concepts of material science and engineering necessary for studying construction materials.</p> <p>2. Cement and concrete This portion will focus on understanding the importance of concrete as a fundamental material for civil infrastructure construction. Topics include the history and domestic and international demand for concrete, cement hydration, concrete strength and structures, dimensional stability, durability, and sustainability, and how to connect basic knowledge on required performance with economical mix design.</p> <p>3. Asphalt This portion will focus on the asphalt material used in asphalt pavement. Topics include the effect of temperature and time on the elastic modulus (viscoelasticity), and discussion will be dedicated to the viscoelastic nature of all civil engineering materials, and how local climate affect material handling and construction.</p> <p>4. Steel and wood This portion will cover the steelmaking manufacturing process, steelmaking and rolling, the effects of heat treatment on the properties of steel materials, and characteristics of steel materials such as tensile strength, rolling strength, ductility, toughness, and low temperature behavior. In addition, the material properties, including orthotropic characteristics, and member design of natural wood is also covered.</p>		
Homework	It is useful for students to prepare for lectures by familiarizing themselves beforehand with the lecture contents through information and literature on construction materials. In addition, it is important to take notes during the lecture and, through re-review of the lecture contents, remember key words and terms.		
Grading System	Attendance of 2/3 of the lectures is requirement to receive credit. Students' understanding of lecture contents will be measured through submission of reports and a final exam. Both conceptual and quantitative understanding will be examined. Evaluation will be based on (1) reports: 50% and (2) final exam: 50%.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	Printed handouts, slides, videos, etc. will also be used and distributed as necessary. English translations of the textbook materials will also be provided.		

Course Name	Medical Device and Biomaterials		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	1 credit
Course level	5000	Course Number	027029
Instructor(s) (Institution)	Katsuhiko SASAKI 大学院工学研究院		
Course Objectives	Understand roles of collaborations between medical practice and mechanical engineering through learning medical devices and strength of mechanical materials and biomaterials.		
Course Goals	Understanding the close relationship between medical practice and mechanical engineering. Differences in characteristics of deformation behavior of biomaterials and engineering materials are, especially, understood. Viscoelastic behavior, which is one of characteristic deformation of biomaterials, are also understood from both micro and macroscopic point of view.		
Course Schedule	1.Introduction of the lecture 2.Biomaterial as composite material -Introduction of composite materials -Deformation of composite materials 3.Inelastic deformation -Viscoelastic deformation -Plastic deformation -Viscoplastic deformation 4.Shape memory alloy -Mechanism of shape memory alloy		
Homework	Within ordinary preparation and brushup		
Grading System	Evaluation is conducted considering assignments or exam.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	Texts are not used. Prints will be distributed. [Important!]Knowledge of "Material Strength for Mechanical Engineering" is required.		

Course Name	Resources Sustainability		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	2 credits
Course level	5000	Course Number	027030
Instructor(s) (Institution)	Yoshiaki FUJII 大学院工学研究院		
Course Objectives	Global warming is concerned as if it was the only biggest problem for human future. However, there are such many other problems as extinction of resources, food crises, population increase etc. This course offers information on these problems so that students can deeply understand these problems, evaluate their severity and investigate whether we should reduce CO2 or not. Students will be urged to investigate what they should do for human future if it's not CO2 reduction.		
Course Goals	To give enough knowledge so that students can deeply understand these problems, evaluate their severity and investigate whether we should reduce CO2 or not.		
Course Schedule	(1) Introduction (2) Problems for human future and population stabilization (3) Energy and mineral resources (4) Food crises and water shortage (5-7) Climate change (8-11) Global warming mitigation and adaptation (13) The true biggest problem for human future (14-16) Presentation by students		
Homework	Two hour preparation and two hour review are expected.		
Grading System	Discussions 50% and presentation 50%		
Textbooks / Reading List	No textbooks. Handouts will be given. Limits to Growth Meadows, D., Randers, J. and Meadows, D. Snowball Earth Walker, G. The Selfish Gene Dawkins, R.		
Websites	http://rock.eng.hokudai.ac.jp/fujii/index.html		
Website of Laboratory	http://rock.eng.hokudai.ac.jp/index.html		
Additional Information			

Course Name	Agriculture in Hokkaido		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	2000	Course Number	027031
Instructor(s) (Institution)	<p>Junichi KASHIWAGI 大学院農学研究院 Koichiro UEDA 大学院農学研究院 Yoichiro HOSHINO 北方生物圏フィールド科学センター (農場) Takayuki AZUMA 北方生物圏フィールド科学センター (植物園) Toshihiko YAMADA 北方生物圏フィールド科学センター (農場) Ryoji SAMESHIMA 大学院農学研究院 MARIA STEFANIE DWIYANTI 大学院農学研究院 Taiken NAKASHIMA 大学院農学研究院 Shigenobu KOSEKI 大学院農学研究院 Tomohiro MITANI 北方生物圏フィールド科学センター (農場) Toshiyuki HIRATA 大学院農学研究院 Tetsuya KONDO 大学院農学研究院 Jun ABE 大学院農学研究院</p>		
Course Objectives	This lecture describes past, present and future of Hokkaido's agriculture. Each topic has been contributed by the professors outstanding in their respective fields in Hokkaido University.		
Course Goals	On the point of natural science and social science, students can understand the general and special characteristics of Hokkaido Agriculture.		
Course Schedule	<p>In each lecture we will explain a topic relating to Ecological System, Cultivation of Field Crops, Cultivation of Horticulture Crops, Cultivation of Forage Crops, Livestock Production and its Usage, Agricultural Machinery Technology.</p> <p>It is very important to attend the 1st day of lecture because students who are allowed to attend this lecture will be decided on this day only (The maximum 40 students). The last turn in the lectures will be for the group presentations and discussions by students. All lectures are provided in English.</p>		
Homework	The students are advised to take notes about each lecture, and checking it after the lecture for deeper understanding (about 30 min.)		
Grading System	In each lecture, students must be tested about the level of understanding, or must present a report in relation to the lecture. Final evaluation will be done with total marks of each test or report.		
Textbooks / Reading List	講義の参考資料は、 http://lab.agr.hokudai.ac.jp/botagr/sakumotsu/kashiwagi.htm よりダウンロードできるようにする。		
Websites			
Website of Laboratory	http://lab.agr.hokudai.ac.jp/botagr/sakumotsu/kashiwagi.htm		
Additional Information	<p>This lecture is mainly for 2nd year student.</p> <p>It is very important to attend the 1st day of lecture because students who are allowed to attend this lecture will be decided on this day only (The maximum 40 students).</p>		

Course Name	Theory and Practice of Algorithms		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	2 credits
Course level	5000	Course Number	027032
Instructor(s) (Institution)	Thomas Zeugmann 大学院情報科学研究所		
Course Objectives	Students become acquainted with different algorithm design techniques that allow to achieve the most efficient solution of a problem on hand. In particular, we study design techniques for deterministic algorithms, probabilistic algorithms, parallel algorithms, and distributed algorithms. Students will also become acquainted with the most significant recent breakthroughs in these fields.		
Course Goals	Algorithmic theory and state-of-the-art algorithmic design techniques are taught. Students should acquire the ability to choose the most appropriate design technique when solving the problem on hand. Students should learn the advantages and disadvantages of the different design techniques for deterministic, probabilistic, parallel and distributed algorithms.		
Course Schedule	<ol style="list-style-type: none"> 1. The Master Theorem which determines the solutions of recursive equations, Introducing some important discrete structures, (finite) groups, rings, fields, finite fields, and the ring of remainders modulo a natural number. 2. Finite Groups, Finite Rings, and Finite Fields extended Euclidean algorithm, modular inverses, Chinese Remaindering, Euler's phi-function 3. Properties and structure of finite fields, cyclicity 4. Field integers, and the algebraic structure of finite fields 5. Main theorem on finite fields, modular exponentiation, primes and pseudo primes 6. Testing Primality Efficiently (deterministic algorithm) - Part I: Complexity 7. Testing Primality Efficiently (deterministic algorithm) - Part I: Correctness 8. DFT plus applications (roots of unity) 9. Fast integer multiplication (Karatsuba, Schonhage-Strassen) 10. The Magic of Probability (Testing the identity of huge databases) 11. More probabilistic algorithms (Freivalds matrix multiplication checker, Solovay and Strassen Primality Test) 12. Parallel Algorithms, Introduction, Models, Uniform Families of Circuits 13. Parallel Algorithms, Integer Addition, Iterated Integer Addition, Multiplication 14. Distributed Algorithms, Leader Election 15. Distributed Algorithms, Leader Election, Lower Bounds 		
Homework	For homework, original materials will be distributed, and references will be indicated in the class.		
Grading System	Evaluation will be carried out by exercises and the final examination.		
Textbooks / Reading List	<p>Computational Complexity: A Modern Approach Sanjeev Arora, Boaz Barak Cambridge University Press 2009</p> <p>Randomized Algorithms Rajeev Motwani, Prabhakar Raghavan Cambridge University Press 1995</p> <p>Design and Analysis of Randomized Algorithms Juraj Hromkovic 2005 2005</p> <p>Quantum Computing Jozef Gruska McGraw-Hill Publishing Company 1999</p>		
Websites			
Website of Laboratory	http://www-alg.ist.hokudai.ac.jp/		
Additional Information	Basic knowledge of discrete mathematics, probability theory and data structures is needed. In addition, we assume familiarity with linear algebra, complex analysis and Hilbert space theory.		

Course Name	Introduction to Environmental Earth Science		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027033
Instructor(s) (Institution)	Shiro TSUYUZAKI 大学院地球環境科学研究院 Sohiko KAMEYAMA 大学院地球環境科学研究院 Masaaki KURASAKI 大学院地球環境科学研究院 Hitoshi SUZUKI 大学院地球環境科学研究院 Toshikazu KAWAGUCHI 大学院地球環境科学研究院		
Course Objectives	The course will address five issues in environmental earth sciences: 1) global warming and ocean ecosystems, 2) environmental changes and animal diversities, 3) plants and plant ecosystems in Japan, 4) environmental pollution and remediation, and 5) nanotechnology for environmental sciences The major objective of this course is to engage students in interdisciplinary discourse by addressing each of these issues.		
Course Goals	Grasping issues in environmental earth science with various temporal and spatial scales, and examining the interdisciplinary discourse by addressing each of the challenges.		
Course Schedule	<ul style="list-style-type: none"> (1) Introduction (Tsuyuzaki) (2) Earth system and global warming (Kameyama) (3) The roles of the oceans and carbon cycles (Kameyama) (4) Marine feedback systems on global warming (Kameyama) (5) Past and present on environmental pollution in Japan (Kurasaki) (6) Case studies of pollution in China, Indonesia and Mongolia (Kurasaki) (7) Remediation technologies for water and soil (Kurasaki) (8) Strolling across the campus to see the ecosystems (flexible depending on the weather) (Tsuyuzaki) (9) Biodiversity of the Japanese mammals (Suzuki) (10) Biodiversity and biogeography of mammals in Hokkaido (Suzuki) (11) Biodiversity in local ecosystems (Suzuki) (12) Temporal and spatial patterns on ecosystems in Japan with reference to global warming (Tsuyuzaki) (13) Nanotechnology for environmental science (Kawaguchi) (14) Biosensor for medical diagnosis and food analysis (Kawaguchi) (15) Gas sensor for environmental monitoring (Kawaguchi) 		
Homework	Preparation hours (depending on the background of each student): Basically special preparation is not required, but understanding basic sciences (physics, chemistry, biology and geology) is helpful. Essay question(s) may be provided. (Two questions in the last year) [FYI] The averaged total homework was 2 hours in the last year. (the result of questionnaire)		
Grading System	Activities in class participation (40%) + essay questions (30%) + short exam (30%)		
Textbooks / Reading List	The handouts will be provided and references are introduced in each lecture. An Inconvenient Truth: The Crisis of Global Warming Al Gore Viking Books for Young Readers 2008 The reference is a reference. Read any books you are interested in.		
Websites	http://hosho.ees.hokudai.ac.jp/~tsuyu/top/lecture/hustep.html		
Website of Laboratory	hosho.ees.hokudai.ac.jp/~tsuyu/index.html		
Additional Information			

Course Name	Modern Trends in Physical and Material Chemistry		
Semester, Year	First Semester, 2019 (Spring Term)	Number of Credits	1 credit
Course level	5000	Course Number	027034
Instructor(s) (Institution)	Yota MURAKAMI 大学院理学研究院		
Course Objectives	Lectures on scientific research in physical chemistry and materials chemistry will be given in English. In this course, the basic concepts and an overview necessary for understanding the advanced research are introduced, followed by explanations of cutting-edge researches in various fields of chemistry.		
Course Goals	Through a series of lectures in various fields of chemistry in English, students will learn a broad perspective and an international sense in chemical researches.		
Course Schedule	Lectures will be provided by young assistant and associate professors in the Graduate School of Chemical Sciences and Engineering. A schedule of lecturers and titles will be informed in the first lecture of the course.		
Homework	Assignment is required for every lecture.		
Grading System	It is required to attend at least 70% of the lectures. Evaluation as pass/fail will be based on the level of attendance (20%) and submitted reports (each time, 80% in total).		
Textbooks / Reading List	なし。適宜資料を配布する。		
Websites			
Website of Laboratory			
Additional Information			

Course Name	Modern Trends in Organic Chemistry and Biological Chemistry		
Semester, Year	First Semester, 2019 (Summer Term)	Number of Credits	1 credit
Course level	5000	Course Number	027035
Instructor(s) (Institution)	Yota MURAKAMI 大学院理学研究院		
Course Objectives	Lectures on scientific research in Organic Chemistry and Biological Chemistry will be given in English. In this course, the basic concepts and an overview necessary for understanding the advanced research are introduced, followed by explanations of cutting-edge researches in various fields of chemistry.		
Course Goals	Through a series of lectures in various fields of chemistry in English, students will learn a broad perspective and an international sense in chemical researches.		
Course Schedule	Lectures will be provided by young assistant and associate professors in the Graduate School of Chemical Sciences and Engineering. A schedule of lecturers and titles will be informed in the first lecture of the course.		
Homework	Assignment is required for every lecture.		
Grading System	It is required to attend at least 70% of the lectures. Evaluation as pass/fail will be based on the level of attendance (20%) and submitted reports (each time, 80% in total).		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information			

Course Name	Planet Earth and Environmental Footprint		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027036
Instructor(s) (Institution)	BIJU VASUDEVAN PILLAI 電子科学研究所		
Course Objectives	The course objective is to use the English language for presenting and discussing the geographical and climate changes since the birth of the earth. The course is planned from the point of view of reading, answering questions, and interactive discussions.		
Course Goals	The goal of this course is to build an intermediate level skill in the English language - from interactive discussions to technical writing.		
Course Schedule	<p>Week 1 Course introduction, and discussion about the birth of the earth</p> <p>Week 2 The primordial earth and atmosphere</p> <p>Week 3 Cooling out-gassing and the secondary atmosphere</p> <p>Week 4 The origin of life: theories and facts</p> <p>Week 5 The modern man and environmental footprint</p> <p>Week 6 Climate change</p> <p>Week 7 Global warming and carbon dioxide</p> <p>Week 8 Extreme weather and carbon dioxide</p> <p>Week 9 Interim test - (written test based on study materials)</p> <p>Week 10 Industry and pollution</p> <p>Week 11 Energy and the environment I: Fossil fuels</p> <p>Week 12 Energy and the environment II: Nuclear energy</p> <p>Week 13 Renewable energy I</p> <p>Week 14 Renewable energy II</p> <p>Week 15 Final test - (written test based on study materials)</p>		
Homework	Homework (a brief report about each class) will be due on a weekly basis.		
Grading System	Homework (brief report: 20%), attendance and interaction (30%), and tests (25% x 2).		
Textbooks / Reading List	<p>Plant Earth II Stephen Moss BBC Books</p> <p>The History of Earth William K. Hartman and Ron Miller Workman Publishing Company Inc. 1991</p> <p>Climate change Barnaby Newbolt Oxford University Press</p> <p>The sixth extinction / Elizabeth Kolbert / Henry Holt and Co / 2014</p> <p>Energy and the Environment / Robert A. Ristinen / Wiley / 2005</p>		
Websites			
Website of Laboratory			
Additional Information	This course includes videos and animations. Study materials will be provided before each class.		

Course Name	The Truth of Human Language Syntax		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027037
Instructor(s) (Institution)	Satoshi OKU 大学院メディア・コミュニケーション研究院		
Course Objectives	Recent (bio-)linguistic research has revealed many interesting properties of “sentence-building mechanisms” (i.e., syntax) of human language. The purpose of this course is to learn some important basics of human language syntax in the framework of the current generative enterprise, with special reference to Japanese, English (and other languages which the participant students are native speakers of), as well as the comparison of these languages.		
Course Goals	The students will understand some foundations of syntactic study of language, and will eventually appreciate how fascinating our knowledge of language is.		
Course Schedule	<p>This is a joint course of “English Linguistics” (Faculty of Letters), HUSTEP, Arts and Science Courses in English, and Modern Japanese Studies Program. All aspects of the course (lecture, class discussion, class work, homework) are conducted exclusively in English. Students are requested to actively participate in class activities.</p> <p>Course Schedule is roughly the following (subject to adjustment)</p> <p>Week 1: General Introduction: From “complex visible” to “simple invisible”</p> <p>Week 2: Structure dependency: From “non-existence thesis” to “existence thesis” (knowledge of language is “real”)</p> <p>Week 3 - Week 6: Find patterns and try to account for them ? From description to explanation</p> <p>Week 7 - Week 10: Long distance dependency (Move and Binding) ? From “local” to “global”</p> <p>Week 11- Week 13: How to supply “missing” information (pro and ellipsis) ? From “invisible” to “understandable”</p> <p>Week 14 - Week 15: Wrap up and General Summary</p>		
Homework	Students will have reading assignments and homework assignments every week, which are important review of the previous class and the preview/preparation for the next class meeting.		
Grading System	Grading is based on homework assignments 50%, participation in class discussion/activities 30%, and a short term paper 20%.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	Students to take this course are supposed to have English proficiency of TOEFL(Paper-Based) score 530 and above (or equivalent).		

Course Name	Introduction to Japanese Politics		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	2000	Course Number	027038
Instructor(s) (Institution)	Hironori SASADA 大学院メディア・コミュニケーション研究院		
Course Objectives	This is an introductory course on contemporary Japanese politics. The course will cover the politics and government of post-WWII Japan focusing on Japanese power structure, party politics, political culture, social policies, and recent changes. Throughout the course, we will discuss the following themes: Who governs Japan? How are decisions made in Japanese policymaking process? How has Japan's politics changed over time?		
Course Goals	By the end of the course, student are expected to develop the following skills: (1) to explain some key terms of Japanese politics, (2) to discuss some major issues of contemporary Japanese politics from at least 2 different points of view, (3) to discuss some recent important changes in Japanese politics and explain the contexts of the changes.		
Course Schedule	<p>Week 1: Introduction / Basic structure of Japanese politics</p> <p>Week 2: The 1955 system and the Liberal Democratic Party</p> <p>Week 3: The opposition parties</p> <p>Week 4: Bureaucracy / Elitism</p> <p>Week 5: Patterned pluralism</p> <p>Week 6: Leadership under the 1955 system</p> <p>Week 7: Structural corruption and Tanaka Kakuei</p> <p>Week 8: Midterm exam</p> <p>Week 9: Changes in the 1955 system / Increased roles of politicians</p> <p>Week 10: The Koizumi reform and a new leadership</p> <p>Week 11: Electoral campaign in Japan</p> <p>Week 12: Political culture in Japan</p> <p>Week 13: Politics in rural areas</p> <p>Week 14: Gender equality and welfare system in Japan</p> <p>Week 15: Final exam</p>		
Homework	Download and read the reading materials before coming to the lecture.		
Grading System	<p>Midterm exam 40%</p> <p>Final exam 40%</p> <p>Class participation 20%</p>		
Textbooks / Reading List	All reading materials are available at the course website. Download the files and read them before the lectures.		
Websites			
Website of Laboratory			
Additional Information			

Course Name	Introduction to Social Theory		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027039
Instructor(s) (Institution)	Emma Cook 大学院メディア・コミュニケーション研究院		
Course Objectives	Social anthropology and sociology are disciplines that have developed from a long period of thinking about the social in its myriad forms. This course aims to give an introductory overview to theories of the social ranging from 19th century thinkers to those of the 21st century, and to explore their relevance in the 21st century.		
Course Goals	<ol style="list-style-type: none"> 1. Students will gain an overview of some of the main thinkers that have influenced how we theorize the social in both social anthropology and sociology. 2. Students will develop the ability to analyse social theories based on their historical context and apply these theories to life in the twenty-first century. 		
Course Schedule	<ol style="list-style-type: none"> 1. Introduction: What is Social Theory? 2. Karl Marx 3. Emile Durkheim 4. Max Weber 5. Structuralism / Structural-Functionalism 6. Critical Theory and the Frankfurt School 7. Exchange, Networks and Rational Choice Theory 8. Essay Preparation 9. Symbolic Interactionism 10. Phenomenology 11. Feminist Theories 12. Michel Foucault 13. Pierre Bourdieu 14. Globalisation 15. Reflections: What's the Point of Social Theory? 		
Homework	Weekly readings are assigned and students must submit a discussion question based on the reading each week.		
Grading System	Discussion Questions: 35% Reflection Comments: 15% Essay: 50%		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	A strong command of English is needed to take this course. Please note that the course schedule and readings are subject to change.		

Course Name	Gender and Sexuality in Contemporary Japan		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	2000	Course Number	027040
Instructor(s) (Institution)	Emma Cook 大学院メディア・コミュニケーション研究院		
Course Objectives	The aims of this course are to give a broad overview of gender, sexuality and society with a particular focus on contemporary Japanese society. The classes alternate theories and ethnographies allowing students to see how theories relate to real life. We will explore a variety of theoretical, ethnographic and documentary materials to how gender and sexuality has been culturally constructed and experienced in the socio-historical context of postwar Japan and will also analyse how ethnographic studies can qualify and inform questions about gender in society. Therefore the course, whilst focusing mostly on Japan, will also be inherently comparative in context and scope.		
Course Goals	By the end of the course students should be able to: 1. Understand and critically analyse some of the main theories of gender and sexuality. 2. Have a clear understanding of the various ways in which gender, sexuality and society intersect in Japan. 3. Be able to critically analyse the 'everyday': those events that initially appear so normal that they do not warrant analysis. 4. Students will learn to ask critical questions in this course instead of focusing only on coming up with answers.		
Course Schedule	1. Introduction to the Course 2. Gender Theories: Nature/Culture Debates 3. Intersections: Japanese Feminism and Nature/Culture Debates 4. Gender Theories: Heterosexuality, Heteronormativity and the Sex-Gender System 5. Intersections: The Sex-Gender System at Home in Japan 6. Gender Theories: Hegemonic Masculinities. 7. Intersections: Gender at Work in Japan 8. Essay Preparation Week 9. Documentary: Japan: A Story of Love and Hate 10. Gender Theories: Performance and Performativity 11. Documentary: Shinjuku Boys 12. Gender Theories: Queer Theory 13. Sexualities and Sexual Rights in Japan 14. Essay Preparation Week 15. Documentary: The Great Happiness Space		
Homework	Required readings are given each week. Students must submit at least one discussion question based on these readings each week before class.		
Grading System	Discussion Questions (15%) Reflection Comments (15%) Reading Presentation (20%) Final Essay (50%)		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	Please note that an excellent command of English is needed for this course. Please note that the course schedule and readings are subject to change.		

Course Name	Culture I (Theory)		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027041
Instructor(s) (Institution)	Susanne Klien 大学院メディア・コミュニケーション研究院		
Course Objectives	To become familiar with the representative theoretical discourses in cultural studies.		
Course Goals	To read, discuss and critically assess some of the seminal works in cultural theory. To develop analytical skills and improve reading skills with regards to academic literature in general.		
Course Schedule	<p>Week 1: Course Introduction</p> <p>Week 2: Concepts of culture</p> <p>Week 3: Structures of culture</p> <p>Week 4: Identity and difference</p> <p>Week 5: Subjects, bodies, selves</p> <p>Week 6: Globalization and culture</p> <p>Week 7: Tradition and culture</p> <p>Week 8: Mid-term exam</p> <p>Week 9: Risk</p> <p>Week 10: Representation, discourse and resistance</p> <p>Week 11: Consumption and agency</p> <p>Week 12: Space</p> <p>Week 13: Rituals</p> <p>Week 14: Mobility</p> <p>Week 15: Final exam</p>		
Homework	A list of reading materials will be provided in the first session but students are expected to do regular readings (books available at MJSP corner in Northern library).		
Grading System	Class discussions (20%), presentation (30%), mid-term exam (25%), final essay (25%).		
Textbooks / Reading List			
Websites			
Website of Laboratory	Detailed information will be provided in the first session.		
Additional Information	<p>Note that this course requires advanced spoken English as the course is highly interactive. Students will be expected to critically read academic texts in advance of each session and engage in discussion throughout the course.</p> <p>Note that themes are subject to change.</p>		

Course Name	Introduction to Japanese Studies II (Culture)		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027042
Instructor(s) (Institution)	Susanne Klien 大学院メディア・コミュニケーション研究院		
Course Objectives	This course examines current issues in modern Japanese culture with a focus on sociocultural anthropology.		
Course Goals	Students will be expected to read seminal works on Japanese culture in advance of each class and engage in discussions with peers from across the world. The class will be highly interactive.		
Course Schedule	<p>1 Introduction [explanation of the course, definition of culture, position of Japanese studies, distribute reading of Stevens "Anthropology of Modern Japan"]</p> <p>2 Entrepreneurship, gender, culture [reading Traphagan, "Entrepreneurs in rural Japan: gender, blockage, and the pursuit of existential meaning"]</p> <p>3 Body, dress and culture [reading Goldstein-Gidoni, Chapter 10 Companion]</p> <p>4 Consumption and gender [Reading: Christensen "Real Men don't hold their Liquor"]</p> <p>5 Gender, work and self in Japan [Reading: Kato "True Self, True Work"]</p> <p>6 Nature and Japanese culture [Reading: Martinez, Chapter 12 Companion]</p> <p>7 Multiple-choice quiz plus mini-fieldwork on campus on given theme</p> <p>8 Well-being, toilets and culture [Reading Szczygiel "The Material Culture of Japanese Toilets"]</p> <p>9 Well-being, material culture and rituals [Reading: Daniels: Scooping, raking, beckoning luck: luck, agency and the interdependence of people and things in Japan]</p> <p>10 Concepts and culture: Mimesis, 'kata', 'wa' [Reading Bender "Of Roots and Race"]</p> <p>11 Reading week</p> <p>12 Food, consumption and convenience [Reading Whitelaw "Shelf lives and the labors of loss"]</p> <p>13 Death and culture [Reading Kim: Necrosociality: isolated death and unclaimed cremains in Japan]</p> <p>14 Tradition and national identity [Reading Surak, "From selling tea to selling Japaneseness"]</p> <p>15 End of term exam and final session</p>		
Homework	<p>Students will be expected to critically read texts in advance of every session.</p> <p>All readings will be uploaded on my homepage.</p> <p>Students will receive detailed information and the password to access materials for the course in the introductory session.</p> <p>Check the homepage regularly for updates.</p> <p>Note that course readings are subject to change.</p>		
Grading System	<p>Multiple choice quiz 20%</p> <p>Presentation 20%</p> <p>Final exam 40%</p> <p>Class participation 20%</p>		
Textbooks / Reading List			
Websites			
Website of Laboratory	Detailed information will be provided in the first session.		
Additional Information	This course requires advanced English language skills (native or close to native level) as extended readings will be discussed in all sessions and the course is highly interactive.		

Course Name	Regional Revitalization/Tourism work shop (Urahoro)		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027043
Instructor(s) (Institution)	Susanne Klien 大学院メディア・コミュニケーション研究院		
Course Objectives	<p>This workshop will be conducted in Sapporo (Hokudai) as well as in Urahoro Town (east Hokkaido) and will involve interaction with locals with the aim of developing ideas about new forms of working in the town. Activities will involve the inspection of various local sites and interviews with local residents as well as the presentation of ideas to the local residents on the last day of the workshop. Good grasp of Japanese, flexibility, teamwork and social skills are necessary for participation. Students who wish to obtain a credit for this course need to participate in the two preparatory classes apart from the workshop itself. During the workshop, students will have the chance to get insights into the everyday life of residents and issues of a small town in central Hokkaido. Detailed information on the schedule will be provided in the preparatory lectures that will take place on 27 June (Thur) and 11 July (Thur) from 6.15-7.45pm at Active Learning Room 325 (IIC). The workshop itself will take place on 13-15 July in Urahoro.</p>		
Course Goals	Students will improve their social skills, presentation skills, teamwork skills and fieldwork techniques (interviews, participant observation, time management).		
Course Schedule	<p>This is not a regular term course on campus but an intensive workshop. The workshop will take place from 13-15 July 2019 in Urahoro Town. Preparatory sessions (Hokudai): 27 June (Thur) 18.15-19.45 IIC 325 and 11 July (Thur) 18.15-19.45 IIC 325. Students who wish to obtain a credit for this course need to participate in the two preparatory classes apart from the workshop itself.</p>		
Homework	Students need to critically read the materials provided for this class and actively engage in discussion during class sessions.		
Grading System	Teamwork, analytical skills, presentation skills, engagement with local community, final essay. Detailed information will be provided in the first preparatory session.		
Textbooks / Reading List			
Websites	Detailed information will be provided in the first preparatory session.		
Website of Laboratory			
Additional Information	<p>Good grasp of Japanese, flexibility, teamwork and social skills highly beneficial. The working language in the workshop will be English but discussions and all interaction with locals will take place in Japanese. Note that advanced English language skills and solid Japanese language skills are required for this workshop.</p>		

Course Name	Introduction to Japanese History I: Between War and Peace		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	2000	Course Number	027044
Instructor(s) (Institution)	Michael Schiltz 大学院メディア・コミュニケーション研究院		
Course Objectives	<p>Japan's experience with modernity was ridden with conflicts, outright wars, and the continuous threat to the nation's survival in a voracious, Hobbesian world. This introductory course outlines the international dimensions of that experience, and demonstrates the ways in which this experience inexorably shaped the contours of the policy debates with regards to the country's international positioning. Concretely, we study the dynamics behind and meaning of the ambition to 'leave Asia' (脱亜論 datsu-a ron), become the 'Great-Britain of the East'; and yet later, to return to Asia as the region's savior (the 'yellow burden').</p>		
Course Goals	<p>The important hallmark of this course is its explicitly anti-humanist or sociological stance. Rather than focusing on key historical figures and their decisions, we will identify social forces that extend far beyond the limited scope of human agency. Instead, we focus on the ways in which technologies (of warfare, telecommunications, transport, finance etc.) possess a self-propelling dynamic: they reinforce their importance, so to speak, and become both tools and objectives of modern development. Taken together, they demonstrate the inherently international outlook of modern society, while paradoxically employing a vocabulary of segregation: the semantics of the 'nation state' and 'national culture'. How the latter relates to and interacts with internationalization, and how this interaction produces regimes of rewards and punishment are core themes in all sessions. In this course, a truly international perspective on Japanese history ('Japan in Asia' / 'Japan and the West') is paramount. As a reference guide to existing debates in a host of interdisciplinary fields (medium theory, systems theory, and so on), each session provides links to broader secondary sources.</p>		
Course Schedule	<ol style="list-style-type: none"> 1. Wake-up call: the Opium wars 2. Gunboat diplomacy and the 'imperialism of free trade' 3. The threat of irrelevance and annihilation: the bakumatsu currency crisis 4. Rebellion and its aftermath: inflation and induced deflation 5. The Sino-Japanese War 6. The Boxer rebellion: victory of Western technologies 7. The Anglo-Japanese alliance: Japan as a linchpin in the Great-Britain led world order 8. The Russo-Japanese War as World War Zero 9. Japan in World War I 10. The Siberian Intervention 11. Japan returns to Asia 12. The Manchurian incident 13. Militarism and Japanese Lebensraum in Manchuria 14. 'Use the war to feed the war': the road to World War II 15. The total defeat of blocism and the Pax Americana 		
Homework	<p>From session 2 on, small student groups will be assigned to introduce topics to be discussed. This may include both historical matter and/or their contemporary implications. Students are expected to:</p> <ol style="list-style-type: none"> 1. to participate in the course as a whole: doing the essential reading for each week's topic, and coming prepared to question and intervene. 2. To provide written and oral comments. 3. To Research, write, present, and defend your argument and choice of topic to be discussed. 4. When presenting, students should go beyond the narrow content of the reading to be presented; develop an argument as a coherent whole, e.g. by focusing on theoretical issues (e.g. the relationship between (political) power and violence, methodological ones (for instance the nature of the relationship between 'ideas' and the material/technological/... contexts in which they are shaped) 		

Grading System	<p>Evaluation will be based on: reading notes, class discussions (other means of evaluation may be discussed with the students).</p> <p>There is no paper to be written; instead, students are asked to make 'smart', elaborate and interactive presentations (these are a must). They are responsible for putting the presented reading in context, and act as 'moderator' for the follow-up discussion. Although all grading is characterized by an inherent opacity (if only for the simple reason that every presentation pertains to different material and a different session), here are some simple rules:</p> <ul style="list-style-type: none"> - students presenting on several occasions will receive a higher grade - students making elaborate presentations (including audiovisual material, links to primary sources etc.) will be rewarded for the extra effort - showing that you mastered the readings by partaking actively in the discussions is a plus. <p>As this class is an example of problem-based learning and the 'flipped classroom', it strongly encourages and rewards participation; vice versa, it penalizes a passive or absent behavior. Concretely, 80 percent of your grade is based on class discussion; the remaining 20 percent is reserved for presentations.</p>
Textbooks / Reading List	
Websites	
Website of Laboratory	https://github.com/michaelschiltz/Japanese_History_1/blob/master/README.md
Additional Information	<p>Introductory reading: Gordon, Andrew. 2013. A Modern History of Japan: From Tokugawa Times to the Present. 3 edition. New York: Oxford University Press.</p> <p>Some basic rules: whereas attendance is considered crucial, merely being present in class is insufficient to pass. Active participation is prerequisite. Checking social media or constantly looking at your phone during class is discouraging and even disturbing for your peers, so should be avoided. This class demands a considerable degree of commitment; do not take this class if you are not motivated.</p>

Course Name	Mindhacks: Organizing your Resources and Research in the Internet Era		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027045
Instructor(s) (Institution)	Michael Schiltz 大学院メディア・コミュニケーション研究院		
Course Objectives	<p>Thanks to the groundbreaking works of historians, anthropologists, sociologists and researchers in related interdisciplinary fields (medium theory, cybernetics), it has by now become accepted wisdom that not only the amount, but also the nature of scientific knowledge is a function of the constraints and opportunities that are hard-wired into the communication technologies that contain it. We are nowadays experiencing yet another sea change in information production and dissemination, conveniently summarized as the 'digital revolution'.</p> <p>Exploring the disruptive impact of the latter on the production of scientific knowledge is the mainstay of this course and project. As this course does not believe in the usefulness of the traditional lecture (and neither should you), the approach is 'hands-on': through the concrete manipulation of a wide range of (scholarly) tools, students will gradually be made aware of how conceptual domains and knowledge categories are shifting and emerging, and what types of attention will be indispensable when doing research in the aftermath (and mirror) of the 'Gutenberg Galaxy'....</p>		
Course Goals	<p>This course will take students on a digital journey which includes the management of bibliographic sources, alternative methods of writing and publication, tools for integrating writing and data analysis, etcetera. We also look into contemporary debates on preservation, data visualization, the relevance of academic debate in modern society, and what else. At all times will we be reminded of the fact that the medium is the message. Eventually -and thereby even going against Marshall McLuhan's famous dictum, we discover that what we refer to as 'man' may well be the extension of technologies and communication media, rather than the other way around.</p>		
Course Schedule	<p>Session 1: bibliographic management Session 2: more research within the browser window Session 3: the science of search Session 4: collaborative work and reproducible research Session 5: organizing knowledge and classification systems Session 6: about OpenAccess Session 7: sustainable writing -publishing - preservation Session 8: licensing your work Session 9: data and data visualization Session 10: big data & social network analysis Session 11: encryption - anonymity - safety - whistleblowing Session 12: where do we go from here?</p>		
Homework	<p>From session 2 onwards, small student groups will be assigned to introduce topics to be discussed. This may include both historical matter and/or their contemporary implications. Students are expected to:</p> <ul style="list-style-type: none"> - participate in the course as a whole: doing the essential reading for each week's topic, and coming prepared to question and intervene. - provide written and oral comments; - research, write, present, and defend your argument and choice of topic to be discussed. - When presenting, students should go beyond the narrow content of the reading to be presented: develop an argument as a coherent whole, e.g. by focusing on theoretical issues (e.g. the relationship between (political) power and violence, methodological ones (for instance the nature of the relationship between 'ideas' and the material/technological/... contexts in which they are shaped), and... - ...most importantly, to **bring their laptops into class**! 		

Grading System	<p>As this course (just as my other courses) does not believe in the usefulness of final grades, the evaluation will be based on: reading notes, class discussions (other means of evaluation may be discussed with the students), and so in. There is no paper to be written; instead, students are asked to make 'smart', elaborate and interactive presentations. They are responsible for putting the presented reading in context and act as 'moderator' for the follow-up discussion. Although all grading is characterized by an inherent opacity (if only for the simple reason that every presentation relates to different material and takes place in a different session), here are some simple rules:</p> <ol style="list-style-type: none"> 1. students presenting on several occasions will receive a higher grade 2. students making elaborate presentations (including audiovisual material, links to primary sources etc.) will be rewarded for the extra effort 3. showing that you mastered the readings by partaking actively in the discussions is a plus. <p>As this class is an example of problem-based learning and the 'flipped classroom', it strongly encourages and rewards participation; vice versa, it penalizes a passive or absent behavior. Concretely, 80 percent of your grade is based on class discussion; the remaining 20 percent is reserved for presentations.</p> <p>Some basic rules: whereas attendance is considered crucial, merely being present in class is insufficient to pass. Active participation is prerequisite. Checking social media or constantly looking at your phone during class is discouraging and even disturbing for your peers, so should be avoided. This class demands a considerable degree of commitment; do not take this class if you are not motivated.</p>
Textbooks / Reading List	
Websites	
Website of Laboratory	https://github.com/michaelschiltz/bit-by-bit/blob/master/README.md
Additional Information	

Course Name	Japanese History (Theory & Practice) I		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027046
Instructor(s) (Institution)	BULL JONATHAN EDWARD 大学院メディア・コミュニケーション研究院		
Course Objectives	<p>This course examines the collapse of the Japanese Empire and the legacies for post-war society. We will focus on the situation in the Japanese Empire's 'Far North' meaning Hokkaido and Karafuto (Sakhalin). We will also consider the Japanese empire's collapse in comparison with the end of other empires in the twentieth century. The questions the class will address include the following: 1) what does 'decolonization' mean in the case of the end of the Japanese Empire? 2) how did the collapse of the empire affect Japanese living in the colonies? 3) how have the memories of former colonial settlers impacted Japanese society since 1945?</p>		
Course Goals	<p>By the end of the course students should be able to:</p> <ol style="list-style-type: none"> 1) Understand how scholars have examined the topic of the end of empire 2) Identify historical arguments and evaluate an author's claims by examining evidence and alternative explanations 3) Express their own interpretations of historical developments by reading primary and secondary sources 		
Course Schedule	<p>Week 1: Introduction - overview of themes and readings Week 2: Introduction - overview of themes and readings (2) Week 3: Contemporary theories of empire and the Japanese Empire Week 4: Settler colonialism and the Japanese Empire Week 5: Hokkaido and the Japanese Empire Week 6: Karafuto and the Japanese Empire Week 7: Review week Week 8: Collapse of the Japanese Empire Week 9 : Karafuto/Sakhalin and the empire's collapse Week 10: Documentary Week 11: The Occupation and American views of decolonization Week 12: Making the transition from empire to nation Week 13: Post-war legacies of empire (1) Week 14: Post-war legacies of empire (2) Week 15: End of term exam</p>		
Homework	There will be a weekly reading assignment.		
Grading System	<p>Class participation (evaluated by reading assignment tests and reflection comments) 20% Primary source study 40% End of term exam 40%</p>		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	Please note that the information in this online syllabus is subject to change. I will provide a full syllabus in the first class.		

Course Name	Intercultural Communication and Language Issues		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	5000	Course Number	027047
Instructor(s) (Institution)	Etsuko YAMADA 大学院メディア・コミュニケーション研究院		
Course Objectives	This course aims to investigate the sociolinguistic reality of languages and intercultural communication. It also aims to explore how international common languages ought to be co-created in today's multicultural settings.		
Course Goals	<p>1) To gain knowledge of sociolinguistic issues in the world.</p> <p>2) To gain comprehension of Intercultural Communicative Competence(ICC).</p> <p>3) To study the concept of 'Lingua Franca (international common language)'.</p>		
Course Schedule	<p>Week 1: Culture</p> <p>Week 2: Intercultural Communicative Competence(ICC)</p> <p>Week 3: Language and Power</p> <p>Week 4: Presentation 1</p> <p>Week 5: Language and Identity</p> <p>Week 6: Native speakers/Non-native speakers/World Englishes</p> <p>Week 7: English as a Lingua Franca(ELF) Theories</p> <p>Week 8: ELF Skills</p> <p>Week 9: Language Policies</p> <p>Week 10: Language Teaching Methodology</p> <p>Week 11: Mid-term Test</p> <p>Week 12: やさしい日本語 (1)</p> <p>Week 13: やさしい日本語 (2)</p> <p>Week 14: Presentation 2 (1)</p> <p>Week 15: Presentation 2 (2)</p> <p>*The schedule is subject to change depending on conditions.</p>		
Homework	Students will be expected to read assigned reading materials in advance of the classes. Further details are provided in the course.		
Grading System	Mid-term Test(40%), Presentation 1 & Essay 1(20%), Presentation 2 & Essay 2(20%), Reflection Diary(20%)		
Textbooks / Reading List	<p>Handouts are provided in the course.</p> <p>Global Englishes A resource book for students JENKINS, Jennifer Routledge 2015</p> <p>From Foreign Language Education to Education for Intercultural Citizenship Essays and Reflections BYRAM, Michael Multilingual Matters 2008</p> <p>相互文化的能力を育む外国語教育ーグローバル時代の市民性形成をめざして バイラム, マイケル、(監訳) 細川英雄 2015 2015</p> <p>Routledge Encyclopedia of Language Teaching and Learning Second Edition BYRAM, Michael & HU, Adelheid Routledge 2017</p>		
Websites			
Website of Laboratory			
Additional Information	<p>1)A good command of oral English and the experience of having studied academic subjects in English are essential.</p> <p>2)For international students, basic or upper basic level Japanese language skills would be useful, although not compulsory.</p> <p>3)The course is offered as a Code-Shared course with the Graduate School of Media and Communication Studies.</p>		

Course Name	Practicing Basic Natural Everyday English		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027048
Instructor(s) (Institution)	Williamson PIERS 大学院メディア・コミュニケーション研究院		
Course Objectives	To practice natural English used in everyday situations.		
Course Goals	This course focuses on improving English language fluency. It aims to move the student from high-beginner to intermediate level English speaker and listener. It is centred on conversational activities that simulate authentic situations in which everyday English is used. By the end of the course, students should feel more confident communicating in conversational English about a range of everyday topics. This should prepare them for study and travel overseas.		
Course Schedule	<p>*Some parts may be changed*</p> <p>1 Introduction 2 Old Friends 3 The Techno World 4 City Life 5 Time Flies 6 Did you know? 7 Review 8 If only... 9 Travel Plans 10 Career search 11 Life's choices 12 Into the Future 13 Presentations Workshop 14 Presentations 15 Final Exam</p>		
Homework	<p>Students will work in groups and are expected to communicate as much as they can in English. 積極的かつ主体的な準備学習（予習・復習）が求められる。準備学習への取り組み方全般については、学期はじめに担当教員から説明があるほか、各回の授業で求められる準備学習の具体的内容については、学期中随時教員から指示がある。また履修者が自ら主体的に計画と目標を立て、自律的に準備学習に取り組むことも強く期待される。準備学習を十分に行わなければ、身につけるべき内容を消化できず、単位も取得できなくなる可能性があるため、真剣かつ計画的に取り組んでほしい。</p>		
Grading System	<p>Classroom Input (20%) Students are expected to contribute to the smooth running of the class through active participation. You will receive points for answering questions in class. It does not matter if your answer is correct or incorrect. Just answer. It is not difficult.</p> <p>Homework Assignments (30%) Homework exercises based on the class will be given frequently. They should be handed in at the beginning of the following class. LATE HOMEWORK WILL NOT BE ACCEPTED UNLESS YOU ARE SICK.</p> <p>Presentation (20%) Students will give a short presentation in front of the class in pairs. They will be graded on originality/effort, pronunciation, grammar, intonation, flow.</p> <p>Final Exam (30%) A written test based on some of the grammar and vocabulary studied.</p>		
Textbooks / Reading List	Steven Gershon and Chris Mares, New English Upgrade Student Book 3, Macmillan.		
Websites			
Website of Laboratory			
Additional Information	<p>この授業は英語中級者（目安として TOEFL-ITP 試験の成績が 420 点以上 500 点未満）を主な対象者とする。この授業は国際交流科目等との合同開講科目です。 **This course is NOT designed for advanced and native English speakers. **</p>		

Course Name	Interpersonal Communication		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027049
Instructor(s) (Institution)	Reggy Capacio Figer 大学院メディア・コミュニケーション研究院		
Course Objectives	<p>Our relationships are fundamental aspects to our existence. Through our communication with others, we are able to cultivate our sense of identity and in the process understand ourselves better. It is said that our everyday relationships are integral elements of our happiness, over and above the building blocks of our civil societies. These on-going connections that we create, establish, maintain or end are essentially determined in our interpersonal communication. This course provides an in-depth coverage of interpersonal communication that integrates theory and research on the one hand and practical skills on the other. It highlights the importance of fostering and nurturing relationships by being receptive, sensitive, and mindful of others. The primary focus of this course is to study live, face-to-face communication but also includes the overwhelming influence of digital and Internet technology on relating with others. It is hoped that through this course, students will have an enhanced understanding of how interpersonal communication is an important element in knowing oneself, valuing others and recognizing relationships/connections as foundations, cornerstones for better friendships, families, and societies.</p>		
Course Goals	<ul style="list-style-type: none"> • To learn and understand the characteristics of competent communication in interpersonal relationships • To develop skills in using appropriate communication strategies and responses based on different situational contexts • To interpret verbal and nonverbal messages with accuracy • To practice effective interpersonal conflict principles • To recognize the role of communication in determining the nature and quality of interpersonal relationships, as well as how and why relationships develop 		
Course Schedule	<p>This schedule is tentative and topics may change based on student needs. Any changes as well as the most current information on activities, assignments, and due dates will be discussed in class. Readings and assignments must be completed prior to the class period.</p> <p>Week 1 Course orientation Week 2 Introduction to Interpersonal Communication Week 3 Perception and Communication Week 4 Listening and Responding to Others Week 5 Verbal and Nonverbal Communication Skills Week 6 Group Report Week 7 Interpersonal Conflict and How to Manage it Week 8 Understanding Interpersonal Relationships Week 9 Group Report Week 10 Power in Interpersonal Relationships Week 11 Developing Interpersonal Relationships Week 12 Group Report Week 13 Managing Relationship Challenges Week 14 Interpersonal Relationship at Home, on the Internet and at Work Week 15 Review and Feedback</p>		
Homework	<p>積極的かつ主体的な準備学習（予習・復習）が求められる。準備学習への取り組み方全般については、学期はじめに担当教員から説明があるほか、各回の授業で求められる準備学習の具体的内容については、学期中随時教員から指示がある。また履修者が自ら主体的に計画と目標を立て、自律的に準備学習に取り組むことも強く期待される。準備学習を十分に行わなければ、身につけるべき内容を消化できず、単位も取得できなくなる可能性があるため、真剣かつ計画的に取り組んでほしい。 Students are required to read and understand the readings before the class. They are also expected to hand-in assignments/reports/projects on the due date.</p>		

Grading System	<p>40% Oral and Written Group Report (Improving an Interpersonal Relationship Project - You will research a specific area of interpersonal communication that can be improved in a specific relationship and submit a write-up about it. Also, you will present your research findings in class.)</p> <p>20% Class Participation (Discussions will take a lot of bulk in each session. Students are expected to engage in class dynamics.)</p> <p>10% Personal Reflection Paper (You will complete one graded paper that applies course concepts to your interpersonal communications interactions. A full description of the paper will be given as we proceed with the semester.)</p> <p>30% Final Exam (A written exam will be conducted to assess students' knowledge of the course.)</p>
Textbooks / Reading List	Necessary materials will be distributed in class.
Websites	
Website of Laboratory	
Additional Information	<p>この授業は英語上級者（目安として TOEFL-ITP 試験の成績が 500 点以上）を主な対象者とする。この授業は国際交流科目等との合同開講科目です。</p> <p>*This is an English for Academic and Professional Purposes course. It is recommended for Japanese students and non-native speakers in English who want to improve further their language skills through the study of a particular discipline or field, in this case, Interpersonal Communication.</p>

Course Name	Approaches to Second Language Teaching: Reading and Writing		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027050
Instructor(s) (Institution)	Jay Tanaka 大学院メディア・コミュニケーション研究院		
Course Objectives	This course provides an overview of the theoretical and practical issues involved in the teaching of second or foreign language (L2) reading and writing. The theoretical and empirical perspectives are integrated with practical experiences. As such, preparation and execution of micro-teaching practice sessions based on teaching approaches, as well as presentations on the ideas behind those teaching approaches, are important parts of the course. The knowledge gained in this course is applicable to the teaching of any language. However, as English is the shared language of the classroom, examples will be in the context of L2 English teaching. Student projects and presentations may be on L2 Japanese teaching or other language teaching, provided that the content is at the most basic proficiency level.		
Course Goals	<ul style="list-style-type: none"> • Become familiar with approaches for teaching reading and writing, based on current thinking regarding good practice • Learn and practice specific instructional techniques for developing various aspects of reading and writing • Evaluate the usefulness of educational materials for developing reading and writing • Explain and justify opinions on teaching using appropriate academic frameworks 		
Course Schedule	<p>Week 1 Frameworks for second language teaching</p> <p>Week 2 Principles of teaching reading</p> <p>Week 3 Language difficulty and vocabulary</p> <p>Week 4 Vocabulary learning</p> <p>Week 5 Extensive Reading</p> <p>Week 6 Assessing reading proficiency</p> <p>Week 7 Principles of teaching writing</p> <p>Week 8 The writing process</p> <p>Week 9 Genres and writing</p> <p>Week 10 Giving written corrective feedback</p> <p>Week 11 Teaching materials review</p> <p>Week 12 Teaching materials review II</p> <p>Week 13 Class Review and Wrap-Up</p> <p>Week 14 Final Examination</p> <p>Week 15 Final Examination</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	<p>Participation (40%), Oral Presentations (20%), Reflection Papers (20%), Final Examination (20%)</p> <p>Participation (40%) Students who positively participate in class discussions and are well prepared for class will receive higher marks.</p> <p>Oral Presentations (20%) Students will be required to give an oral presentation at least once during the course from a list of weekly (sectional) topics. Additionally, students in the audience will be encouraged to actively ask questions to the presenters. Content and number of questions from students in the audience will be weighted heavily when calculating their participation grade.</p> <p>Reflection Papers (20%) Students will be required to write one-page reflection papers, to be submitted at the beginning of class the next day. Further details and guidelines regarding length and how to compose these written assignments will be given in class.</p> <p>Final Examination (20%) The final examination will be comprised of essay questions related to the content of the course. It consists of two questions, one a take-home question to be re-written during class during the examination period, and the second a general essay question to test student's absorption of the course's themes.</p>		
Textbooks / Reading List	Teaching ESL/EFL Reading and Writing I.S.P. Nation Routledge 2008		
Websites			
Website of Laboratory			
Additional Information	This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of "International Exchange Program".		

Course Name	Practicing Basic Natural Everyday English		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027051
Instructor(s) (Institution)	Williamson PIERS 大学院メディア・コミュニケーション研究院		
Course Objectives	To practice natural English used in everyday situations.		
Course Goals	This course focuses on improving English language fluency. It aims to move the student from high-beginner to intermediate level English speaker and listener. It is centred on conversational activities that simulate authentic situations in which everyday English is used. By the end of the course, students should feel more confident communicating in conversational English about a range of everyday topics. This should prepare them for study and travel overseas.		
Course Schedule	<p>*Some parts may be changed*</p> <p>1 Introduction 2 Old Friends 3 The Techno World 4 City Life 5 Time Flies 6 Did you know? 7 Review 8 If only... 9 Travel Plans 10 Career search 11 Life's choices 12 Into the Future 13 Presentations Workshop 14 Presentations 15 Final Exam</p>		
Homework	<p>Students will work in groups and are expected to communicate as much as they can in English. 積極的かつ主体的な準備学習（予習・復習）が求められる。準備学習への取り組み方全般については、学期はじめに担当教員から説明があるほか、各回の授業で求められる準備学習の具体的内容については、学期中随時教員から指示がある。また履修者が自ら主体的に計画と目標を立て、自律的に準備学習に取り組むことも強く期待される。準備学習を十分に行わなければ、身につけるべき内容を消化できず、単位も取得できなくなる可能性があるため、真剣かつ計画的に取り組んでほしい。</p>		
Grading System	<p>Classroom Input (20%) Students are expected to contribute to the smooth running of the class through active participation. You will receive points for answering questions in class. It does not matter if your answer is correct or incorrect. Just answer. It is not difficult.</p> <p>Homework Assignments (30%) Homework exercises based on the class will be given frequently. They should be handed in at the beginning of the following class. LATE HOMEWORK WILL NOT BE ACCEPTED UNLESS YOU ARE SICK.</p> <p>Presentation (20%) Students will give a short presentation in front of the class in pairs. They will be graded on originality/effort, pronunciation, grammar, intonation, flow.</p> <p>Final Exam (30%) A written test based on some of the grammar and vocabulary studied.</p>		
Textbooks / Reading List	Steven Gershon and Chris Mares, New English Upgrade Student Book 3, Macmillan.		
Websites			
Website of Laboratory			
Additional Information	<p>この授業は英語中級者（目安として TOEFL-ITP 試験の成績が 420 点以上 500 点未満）を主な対象者とする。この授業は国際交流科目等との合同開講科目です。 **This course is NOT designed for advanced and native English speakers. **</p>		

Course Name	Ideas: Discussing Contemporary Social Issues		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027052
Instructor(s) (Institution)	HANSEN Paul Simon 大学院メディア・コミュニケーション研究院		
Course Objectives	To better understand contemporary social problems and perspectives. To listen and discuss issues and opinions. To summarize topics for a general audience and present a viewpoint.		
Course Goals	This seminar style course primarily focuses on discussing contemporary social issues based on a series of popular podcasts called "Ideas" from the Canadian Broadcast Corporation (CBC). Examples of potential topics are labor precarity, indigeneity, technology and the posthuman etc. As such, the main focus will be on developing listening and discussion skills (although occasionally transcripts are also available for the programs). Each one hour episode will be discussed over a two week period with the expectation that topics and questions build from one week to the next. Students will also be expected to summarize and present on an episode of their choice near the end of the course.		
Course Schedule	The following outline will depend upon student interest and enrollment. Topics listed here are potential topics: 1. Self / Course Introduction 2. Topic 1a Making a Better World with a Culture of 'Citizen Eaters' 3. Topic 1b 4. Topic 2a Less Work More Leisure: Utopian Visions and the Future of Work 5. Topic 2b 6. Topic 3a Dr. Taylor Owen on How Internet Monopolies Threaten Democracy (The Dalton Camp Lecture) 7. Topic 3b 8. Mid-term Student Presentations 9. Topic 4a Autonomy: The Unexpected Implications of Self-Driving Vehicles. 10. Topic 4b 11. Topic 5a "Fighting at the Table: Conflict as Successful Integration" Migration issues. 12. Topic 5b 13. Preparation Class 14. Final Paper Presentations and Discussion 15. Final Paper Presentations and Discussion		
Homework	Students are expected to keep up with weekly listening projects, develop terminology lists, and produce questions and topics for discussion. There is also a mid-term summary / presentation and a final paper and presentation.		
Grading System	Grades are allotted via Hokkaido University's 11 point GPA system 15% daily assignment 15% participation (daily contribution to discussions) 20% a mid-term program summary and presentation 20% final presentation 30% final paper		
Textbooks / Reading List	There is no reading list but the following website offers numerous examples of the type of programs to be discussed. http://www.cbc.ca/radio/ideas		
Websites			
Website of Laboratory			
Additional Information	All students are welcome, including MJSP and HUSTEP students. The goal is to have a vibrant atmosphere of discussion. And so, an interest or curiosity about social issues and an openness to diverse viewpoints is essential. Please note, this is not a beginner level seminar. Given that the focus of the seminar is on listening and discussion it should be obvious that 'shy' or reserved students are unlikely to score well.		

Course Name	World Cultures and Anthropology		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027053
Instructor(s) (Institution)	Paul Capobianco 大学院メディア・コミュニケーション研究院		
Course Objectives	The aim of this course is twofold: to introduce some students to some of the key concepts in cultural anthropology and to introduce students to different cultural practices around the world. Cultural anthropology is an academic field that studies people and their cultures and languages. This class will involve reading of academic articles, writing summaries, and giving presentations. Students will also work in groups during class and are thus expected to communicate in English.		
Course Goals	To introduce students to the key concepts in anthropology and to different cultural practices around the world.		
Course Schedule	<p>The content may change depending on the students' progress.</p> <p>Lesson 1 · Course Introduction and What to Expect</p> <p>Lesson 2 · What is Anthropology and Cultural Anthropology</p> <p>Lesson 3 · World Cultures Overview, Ethnography</p> <p>Lesson 4 · Asian Cultures, Culture, Data</p> <p>Lesson 5 · European Cultures, Languages and Linguistic Anthropology</p> <p>Lesson 6 · American Cultures, Regional Differences</p> <p>Lesson 7 · Japanese Culture, Regional Differences, Topics in Japan Anthropology</p> <p>Lesson 8 · Practicum: Researching Cultures</p> <p>Lesson 9 · African Cultures, Religion</p> <p>Lesson 10 · Presentation 1: Present Findings about Culture</p> <p>Lesson 11 · Latin American Cultures, Travel Diaries</p> <p>Lesson 12 · Practicum: Researching Cultures, Contemporary Issues</p> <p>Lesson 13 · Practicum: Research and Presenting about Culture</p> <p>Lesson 14 Tuesday 19 July · Final Test</p> <p>Lesson 15 Tuesday 26 July · Presentation 2: Present Findings</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	<p>Students are expected to attend all classes. That is your job. But you can be absent (欠席) for TWO classes! However, if you are absent, you still have to hand in homework on time by email on the day of the deadline. If you are sick, you can hand homework in at the start of the next class. BUT YOU CANNOT BE ABSENT IN WEEKS 13, 14, 15.</p> <p>A third absence in the course will result in - 10% of the students' final grade and a fourth absence will result in the automatic failure of the course.</p> <p>Coming late to class will result in a - 5% of students' overall grade.</p> <p>There is only one reason I will accept for extra absences = Sickness.</p> <p>If you are sick, then you must produce evidence at the next class. For example, a prescription (処方箋) from the chemist with DATES on. Sending me an email saying "I am sick" is NOT proof.</p> <p>Use your two free absences wisely.</p> <p>If you have forgotten your textbook, tell me before the class starts. You can then make a photocopy. But you will have to pay for the copy.</p> <p>Participation (20%)</p> <p>Students are expected to participate in the class. This includes doing all in class activities, answering questions, and paying attention. It does not matter if your answer is correct or incorrect. Just answer and pay attention.</p> <p>Homework (30%)</p> <p>Students will be given homework assignments. These include reading, writing, and short answer assignments. There will be several research and writing assignments that students are expected to complete. LATE HOMEWORK WILL NOT BE ACCEPTED UNLESS YOU ARE SICK.</p> <p>Homework will be graded with an A, C, or F. An "A" grade means the homework assignment has been done acceptably. A "C" grade means that the homework needs to be improved and the student will receive partial credit. An "F" grade means that no credit will be given for the assignment, either because the student did not do</p>		

	<p>the assignment correctly or did not submit the assignment.</p> <p>Final Test (20%) There will be a final test in the class, given on week 14. Students will be expected to answer questions based on the topics covered in class. This test will be in the form of essays and short answer questions. The most important thing to passing is to pay attention in class and take notes.</p> <p>Presentations (10% each) Students will be required to give two formal presentations in the class. The first will be worth 10% and the second will be worth 10%. Students will be graded on their overall presentation habits, their ability to communicate their message, and their overall preparedness. Students will NOT be graded on their ability to speak perfectly, although this will be looked upon favourably. Students are encouraged to focus on communication and delivering their message with fluency rather than speaking like a native English speaker. Mistakes are encouraged.</p> <p>Final Research Summary (10%) Students will be required to write a final research summary of the culture that they have research throughout the year. This will be a 1,000 word paper that explains the language, culture, customs, and beliefs of a culture that students will select in class.</p>
Textbooks / Reading List	There will be no textbook for this class. Instead, students will receive weekly reading they are expected to complete before coming to class. These readings will be related to the topics discussed in the class that particular week.
Websites	
Website of Laboratory	
Additional Information	<p>Students are required to have their course notebook with them each week. These will occasionally be collected to check students' progress. Failure to bring the notebook to class will result in loss of participation points.</p> <p>This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of "International Exchange Program".</p>

Course Name	Practicing Basic Natural Everyday English		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027054
Instructor(s) (Institution)	Williamson PIERS 大学院メディア・コミュニケーション研究院		
Course Objectives	To practice natural English used in everyday situations.		
Course Goals	This course focuses on improving English language fluency. It aims to move the student from high-beginner to intermediate level English speaker and listener. It is centred on conversational activities that simulate authentic situations in which everyday English is used. By the end of the course, students should feel more confident communicating in conversational English about a range of everyday topics. This should prepare them for study and travel overseas.		
Course Schedule	<p>*Some parts may be changed*</p> <ol style="list-style-type: none"> 1 Introduction 2 Old Friends 3 The Techno World 4 City Life 5 Time Flies 6 Did you know? 7 Review 8 If only... 9 Travel Plans 10 Career search 11 Life's choices 12 Into the Future 13 Presentations Workshop 14 Presentations 15 Final Exam 		
Homework	<p>Students will work in groups and are expected to communicate as much as they can in English. 積極的かつ主体的な準備学習（予習・復習）が求められる。準備学習への取り組み全般については、学期はじめに担当教員から説明があるほか、各回の授業で求められる準備学習の具体的内容については、学期中随時教員から指示がある。また履修者が自ら主体的に計画と目標を立て、自律的に準備学習に取り組むことも強く期待される。準備学習を十分に行わなければ、身につけるべき内容を消化できず、単位も取得できなくなる可能性があるため、真剣かつ計画的に取り組んでほしい。</p>		
Grading System	<p>Classroom Input (20%) Students are expected to contribute to the smooth running of the class through active participation. You will receive points for answering questions in class. It does not matter if your answer is correct or incorrect. Just answer. It is not difficult.</p> <p>Homework Assignments (30%) Homework exercises based on the class will be given frequently. They should be handed in at the beginning of the following class. LATE HOMEWORK WILL NOT BE ACCEPTED UNLESS YOU ARE SICK.</p> <p>Presentation (20%) Students will give a short presentation in front of the class in pairs. They will be graded on originality/effort, pronunciation, grammar, intonation, flow.</p> <p>Final Exam (30%) A written test based on some of the grammar and vocabulary studied.</p>		
Textbooks / Reading List	Steven Gershon and Chris Mares, New English Upgrade Student Book 3, Macmillan.		
Websites			
Website of Laboratory			
Additional Information	<p>この授業は英語中級者（目安として TOEFL-ITP 試験の成績が 420 点以上 500 点未満）を主な対象者とする。この授業は国際交流科目等との合同開講科目です。 **This course is NOT designed for advanced and native English speakers. **</p>		

Course Name	Personal Stories and Religion		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027055
Instructor(s) (Institution)	Peter RICHARDSON 大学院メディア・コミュニケーション研究院		
Course Objectives	Why is it that there are so many different ideas and experiences about religion? Why is it that these ideas are so different and yet everyone is so certain that their idea is correct? What can this tell us about our minds and the way we think? The purpose of this course is to discuss these questions by introducing the students to a wide-ranging collection of authentic personal stories related to religion. These stories relate to some of the main world religions, such as Christianity, Islam, and Buddhism, while also covering the rejection of religion in the form of atheism.		
Course Goals	<p>1) Develop the students' reading skills in order to allow them to confidently tackle authentic English texts.</p> <p>2) Develop the students' ability to think critically and detect key similarities and differences in a range of texts, as well as to look for connections between texts that may at first look unrelated.</p> <p>3) Encourage students to speak out, share and listen to the ideas of others.</p>		
Course Schedule	<p>Week 1: Course introduction</p> <p>Week 2: A framework for analyzing religious language, part one.</p> <p>Week 3: A framework for analyzing religious language, part two.</p> <p>Week 4: Introducing Christianity, Islam and Buddhism, part one.</p> <p>Week 5: Introducing Christianity, Islam and Buddhism, part two.</p> <p>Week 6: "Everything became clear": A Christian's story.</p> <p>Week 7: The language of Christians.</p> <p>Week 8: "I'd finally found the truth": A Muslim's story + midterm short presentations</p> <p>Week 9: The language of Muslims.</p> <p>Week 10: "At last, it dawned on me": A Buddhist's story.</p> <p>Week 11: The language of Buddhism.</p> <p>Week 12: Are there similarities between the language of religious believers and the language of atheists? + Student presentations</p> <p>Week 13: Student presentations</p> <p>Week 14: Student presentations</p> <p>Week 15: Student presentations and final test</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	Grades will be awarded according to the following framework: participation (level of participation in class activities and discussions): 20%; presentations on a religion of choice: 30%; vocabulary and comprehension test related to the principles and texts discussed in class: 50%.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	<p>There is no assigned textbook for this course. Students will be provided with handouts at the beginning of each class.</p> <p>This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of "International Exchange Program".</p>		

Course Name	World Cultures and Anthropology		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027056
Instructor(s) (Institution)	Paul Capobianco 大学院メディア・コミュニケーション研究院		
Course Objectives	The aim of this course is twofold: to introduce some students to some of the key concepts in cultural anthropology and to introduce students to different cultural practices around the world. Cultural anthropology is an academic field that studies people and their cultures and languages. This class will involve reading of academic articles, writing summaries, and giving presentations. Students will also work in groups during class and are thus expected to communicate in English.		
Course Goals	To introduce students to the key concepts in anthropology and to different cultural practices around the world.		
Course Schedule	<p>The content may change depending on the students' progress.</p> <p>Lesson 1 · Course Introduction and What to Expect</p> <p>Lesson 2 · What is Anthropology and Cultural Anthropology</p> <p>Lesson 3 · World Cultures Overview, Ethnography</p> <p>Lesson 4 · Asian Cultures, Culture, Data</p> <p>Lesson 5 · European Cultures, Languages and Linguistic Anthropology</p> <p>Lesson 6 · American Cultures, Regional Differences</p> <p>Lesson 7 · Japanese Culture, Regional Differences, Topics in Japan Anthropology</p> <p>Lesson 8 · Practicum: Researching Cultures</p> <p>Lesson 9 · African Cultures, Religion</p> <p>Lesson 10 · Presentation 1: Present Findings about Culture</p> <p>Lesson 11 · Latin American Cultures, Travel Diaries</p> <p>Lesson 12 · Practicum: Researching Cultures, Contemporary Issues</p> <p>Lesson 13 · Practicum: Research and Presenting about Culture</p> <p>Lesson 14 Tuesday 19 July · Final Test</p> <p>Lesson 15 Tuesday 26 July · Presentation 2: Present Findings</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	<p>Students are expected to attend all classes. That is your job. But you can be absent (欠席) for TWO classes! However, if you are absent, you still have to hand in homework on time by email on the day of the deadline. If you are sick, you can hand homework in at the start of the next class. BUT YOU CANNOT BE ABSENT IN WEEKS 13, 14, 15.</p> <p>A third absence in the course will result in - 10% of the students' final grade and a fourth absence will result in the automatic failure of the course.</p> <p>Coming late to class will result in a - 5% of students' overall grade.</p> <p>There is only one reason I will accept for extra absences = Sickness.</p> <p>If you are sick, then you must produce evidence at the next class. For example, a prescription (処方箋) from the chemist with DATES on. Sending me an email saying "I am sick" is NOT proof.</p> <p>Use your two free absences wisely.</p> <p>If you have forgotten your textbook, tell me before the class starts. You can then make a photocopy. But you will have to pay for the copy.</p> <p>Participation (20%)</p> <p>Students are expected to participate in the class. This includes doing all in class activities, answering questions, and paying attention. It does not matter if your answer is correct or incorrect. Just answer and pay attention.</p> <p>Homework (30%)</p> <p>Students will be given homework assignments. These include reading, writing, and short answer assignments. There will be several research and writing assignments that students are expected to complete. LATE</p>		

	<p>HOMEWORK WILL NOT BE ACCEPTED UNLESS YOU ARE SICK.</p> <p>Homework will be graded with an A, C, or F. An “A” grade means the homework assignment has been done acceptably. A “C” grade means that the homework needs to be improved and the student will receive partial credit. An “F” grade means that no credit will be given for the assignment, either because the student did not do the assignment correctly or did not submit the assignment.</p> <p>Final Test (20%)</p> <p>There will be a final test in the class, given on week 14. Students will be expected to answer questions based on the topics covered in class. This test will be in the form of essays and short answer questions. The most important thing to passing is to pay attention in class and take notes.</p> <p>Presentations (10% each)</p> <p>Students will be required to give two formal presentations in the class. The first will be worth 10% and the second will be worth 10%. Students will be graded on their overall presentation habits, their ability to communicate their message, and their overall preparedness. Students will NOT be graded on their ability to speak perfectly, although this will be looked upon favourably. Students are encouraged to focus on communication and delivering their message with fluency rather than speaking like a native English speaker. Mistakes are encouraged.</p> <p>Final Research Summary (10%)</p> <p>Students will be required to write a final research summary of the culture that they have research throughout the year. This will be a 1,000 word paper that explains the language, culture, customs, and beliefs of a culture that students will select in class.</p>
Textbooks / Reading List	There will be no textbook for this class. Instead, students will receive weekly reading they are expected to compete before coming to class. These readings will be related to the topics discussed in the class that particular week.
Websites	
Website of Laboratory	
Additional Information	<p>Students are required to have their course notebook with them each week. These will occasionally be collected to check students’ progress. Failure to bring the notebook to class will result in loss of participation points.</p> <p>This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of “International Exchange Program”.</p>

Course Name	Theories and Methodologies of Second Language Teaching		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027057
Instructor(s) (Institution)	Jay Tanaka 大学院メディア・コミュニケーション研究院		
Course Objectives	This course surveys approaches and theories in second and foreign language teaching. Through lectures, readings, discussions, and activities you will build your theoretical and practical knowledge of second language (L2) education. Among the topics we examine are traditional L2 teaching approaches and theories, classroom management, lesson planning, teaching materials, and classroom testing. You are expected to reflect on your own beliefs and assumptions about L2 teaching practices.		
Course Goals	<ul style="list-style-type: none"> • Link historical development of theories, and methodologies in L2 teaching to recent trends; • Discuss and evaluate theories and approaches in L2 language teaching; • Analyze and evaluate L2 teaching materials; • Practice L2 teaching skills; • Discuss the purposes and roles of assessment and evaluation in L2 teaching; 		
Course Schedule	<p>Week 1 History of language teaching</p> <p>Week 2 Grammar translation method</p> <p>Week 3 Audio-lingual method and Total physical response</p> <p>Week 4 Communicative language teaching</p> <p>Week 5 Communicative language teaching II</p> <p>Week 6 Task-based language teaching</p> <p>Week 7 Content-based instruction</p> <p>Week 8 Speaking and listening activities</p> <p>Week 9 Reading activities</p> <p>Week 10 Writing activities</p> <p>Week 11 Teaching materials review</p> <p>Week 12 Teaching workshop session</p> <p>Week 13 Class Review and Wrap-Up</p> <p>Week 14 Final Examination</p> <p>Week 15 Final Examination</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	<p>Participation (40%), Oral Presentations (20%), Reflection Papers (20%), Final Examination (20%)</p> <p>Participation (40%) Students who positively participate in class discussions and are well prepared for class will receive higher marks.</p> <p>Oral Presentations (20%) Students will be required to give an oral presentation at least once during the course from a list of weekly (sectional) topics. Additionally, students in the audience will be encouraged to actively ask questions to the presenters. Content and number of questions from students in the audience will be weighted heavily when calculating their participation grade.</p> <p>Reflection Papers (20%) Students will be required to write one-page reflection papers, to be submitted at the beginning of class the next day. Further details and guidelines regarding length and how to compose these written assignments will be given in class.</p> <p>Final Examination (20%) The final examination will be comprised of essay questions related to the content of the course. It consists of two questions, one a take-home question to be re-written during class during the examination period, and the second a general essay question to test student's absorption of the course's themes.</p>		
Textbooks / Reading List	There is no textbook for this course. Handouts of relevant texts will be provided each class.		
Websites			
Website of Laboratory			
Additional Information	This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of "International Exchange Program".		

Course Name	How We Learn Languages		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027058
Instructor(s) (Institution)	Peter RICHARDSON 大学院メディア・コミュニケーション研究院		
Course Objectives	The purpose of this course is to explore some of the key issues in first and second language acquisition. The course will focus on theories about how we learn languages, the key differences between learning a first and a second language, and many of the important issues relating to language study. These issues will include a look at controversial topics such as what role the first language should have in the learning of a second language, as well as a critical evaluation of the different teaching and study methods that second language learners are exposed to.		
Course Goals	<p>1) Develop the students' listening and reading skills in order to allow them to engage with complex topics.</p> <p>2) Develop the students' ability to think critically and to make connections between the study of language learning in general and their own experience of learning English.</p> <p>3) Encourage students to speak out, share and listen to the ideas of others.</p>		
Course Schedule	<p>The schedule listed below is a provisional guide to the topics that will be covered during the course.</p> <p>Week 1 Course introduction</p> <p>Week 2 What is language and are humans the only ones who can use it?</p> <p>Week 3 How we learn our first language</p> <p>Week 4 Do we have a Language Acquisition Device inside our brains?</p> <p>Week 5 Similarities and differences between first and second language acquisition, part one</p> <p>Week 6 Similarities and differences between first and second language acquisition, part two</p> <p>Week 7 Individual differences in second language learning</p> <p>Week 8 Midterm short presentations</p> <p>Week 9 Connectionism and socio-cognitive development approaches, part one</p> <p>Week 10 Connectionism and socio-cognitive development approaches, part two</p> <p>Week 11 The crucial importance of constructions in language development, part one</p> <p>Week 12 The crucial importance of constructions in language development, part two + student presentations, part one</p> <p>Week 13 Student presentations, part two</p> <p>Week 14 Student presentations, part three</p> <p>Week 15 Completing student presentations and final test</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	Grades will be awarded according to the following framework: participation (level of participation in class activities and discussions): 25%; presentations on topics provided by the instructor: 25%; final test related based on the material discussed in class: 50%.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	<p>There is no assigned textbook for this course. Students will be provided with handouts at the beginning of each class.</p> <p>This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of "International Exchange Program".</p>		

Course Name	Intermediate: Ideas: Discussing Contemporary Social Issues		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027059
Instructor(s) (Institution)	HANSEN Paul Simon 大学院メディア・コミュニケーション研究院		
Course Objectives	To better understand contemporary social problems and perspectives. To listen and discuss issues and opinions. To summarize topics for a general audience and present a viewpoint.		
Course Goals	This seminar style course primarily focuses on discussing contemporary social issues based on a series of popular podcasts called "Ideas" from the Canadian Broadcast Corporation (CBC). Examples of potential topics are labor precarity, indigeneity, technology and the posthuman etc. As such, the main focus will be on developing listening and discussion skills (although occasionally transcripts are also available for the programs). Each one hour episode will be discussed over a two week period with the expectation that topics and questions build from one week to the next. Students will also be expected to summarize and present on an episode of their choice near the end of the course.		
Course Schedule	The following outline will depend upon student interest and enrollment. Topics listed here are potential topics: 1. Self / Course Introduction 2. Topic 1a Making a Better World with a Culture of 'Citizen Eaters' 3. Topic 1b 4. Topic 2a Less Work More Leisure: Utopian Visions and the Future of Work 5. Topic 2b 6. Topic 3a Dr. Taylor Owen on How Internet Monopolies Threaten Democracy (The Dalton Camp Lecture) 7. Topic 3b 8. Mid-term Student Presentations 9. Topic 4a Autonomy: The Unexpected Implications of Self-Driving Vehicles. 10. Topic 4b 11. Topic 5a "Fighting at the Table: Conflict as Successful Integration" Migration issues. 12. Topic 5b 13. Preparation Class 14. Final Paper Presentations and Discussion 15. Final Paper Presentations and Discussion		
Homework	Students are expected to keep up with weekly listening projects, develop terminology lists, and produce questions and topics for discussion. There is also a mid-term summary / presentation and a final paper and presentation.		
Grading System	Grades are allotted via Hokkaido University's 11 point GPA system 15% daily assignment 15% participation (daily contribution to discussions) 20% a mid-term program summary and presentation 20% final presentation 30% final paper		
Textbooks / Reading List	There is no reading list but the following website offers numerous examples of the type of programs to be discussed. http://www.cbc.ca/radio/ideas		
Websites			
Website of Laboratory			
Additional Information	All students are welcome, including MJSP and HUSTEP students. The goal is to have a vibrant atmosphere of discussion. And so, an interest or curiosity about social issues and an openness to diverse viewpoints is essential. Please note, this is not a beginner level seminar. Given that the focus of the seminar is on listening and discussion it should be obvious that 'shy' or reserved students are unlikely to score well.		

Course Name	Indigenous Peoples and Education		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027060
Instructor(s) (Institution)	Jeffry Joseph GAYMAN 大学院メディア・コミュニケーション研究院		
Course Objectives	The purpose of this course is to deepen students' intercultural understanding through focusing on the topic of education as it relates to Indigenous Peoples and their aspirations and needs. Students will be introduced to the unique position of Indigenous Peoples in world history, general issues of Indigenous peoples as related to cultural transmission and education, and Indigenous responses to the educational challenges that they face.		
Course Goals	<ul style="list-style-type: none"> ○ To understand the unique position of Indigenous Peoples in world history, and through doing so to gain a deeper understanding of the relation between majority and minority peoples. ○ To critically reflect on the role of the environment, and of education, in cultural transmission and maintenance, and to become aware of the special needs of Indigenous peoples with regard to education. ○ To increase cultural sensitivity. ○ To critically reflect on power relations in society. ○ To increase knowledge and awareness of Indigenous peoples lives, issues and values, with a focus on the Indigenous Peoples of New Zealand/Aotearoa, Alaska, Hawaii, Scandinavia, and Japan. ○ To critically reflect on the relation between language, culture and identity, and on how we acquire and transmit our Native as well as second languages. 		
Course Schedule	<p>Week 1 Native Knowledge Systems</p> <p>Week 2 Native Knowledge Systems CONT Stories and the Oral Tradition Imperialism, Colonialism and 'Indigenous Peoples'</p> <p>Week 3 Native Knowledge Systems CONT Stories and the Oral Tradition</p> <p>Week 4 Review and Discussion</p> <p>Week 5 Imperialism, Colonialism and 'Indigenous Peoples'</p> <p>Week 6 The Nation-State and Schooling/Assimilatory Education</p> <p>Week 7 Language Shift and Loss of Tradition</p> <p>Week 8 Stirrings of Educational Discontent -The Indigenous Response to Mainstream Education "Culturally-Responsive Education"</p> <p>Week 9 The Maori Education Initiative</p> <p>Week 10 The Hawaiian Education Initiative</p> <p>Week 11 Saami Educational Initiatives</p> <p>Week 12 Native Alaskan Education</p> <p>Week 13 The World Indigenous Peoples' Conference on Education / Indigenous Higher Education</p> <p>Week 14 The Ainu People, Cultural Transmission and Education I</p> <p>Week 15 The Ainu People, Cultural Transmission and Education II</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	<p>Participation and Preparation (40%), Oral Presentations (20%), Journal/Final Paper (40%)</p> <p>Participation and Preparation (40%)</p> <p>Students who positively participate in class discussions and are well prepared for class with examples and/or questions regarding the material will receive higher marks.</p> <p>Oral Presentations (20%)</p> <p>Students will be required to give a 5-10 minute oral presentation from a list of weekly topics. More details will be given in the first class.</p> <p>Journal or Final Paper (40%)</p> <p>Students will be required to compose a final assignment in either a journal or a final paper format based on the course materials, class discussions, or other related material. Journal entries must address four (4) different topics addressed in class. Further details and guidelines regarding length and how to compose these written assignments will be given in class.</p>		
Textbooks / Reading List	Materials will be distributed by the instructor in class.		
Websites			
Website of Laboratory			
Additional Information	This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also offered as a code-shared subject of the "International Exchange Program". When writing the journal entries or final report, it is very important that you do not plagiarize. If you do not write the final report using your own words, as well as do not reference the sources (websites, books, newspaper articles accessed, etc.) that you use, your report will not be accepted and there is a possibility that you may fail the course. Guidelines regarding original thinking and critical discussion will be provided by the instructor during class.		

Course Name	How We Learn Languages		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027062
Instructor(s) (Institution)	Peter RICHARDSON 大学院メディア・コミュニケーション研究院		
Course Objectives	The purpose of this course is to explore some of the key issues in first and second language acquisition. The course will focus on theories about how we learn languages, the key differences between learning a first and a second language, and many of the important issues relating to language study. These issues will include a look at controversial topics such as what role the first language should have in the learning of a second language, as well as a critical evaluation of the different teaching and study methods that second language learners are exposed to.		
Course Goals	<p>1) Develop the students' listening and reading skills in order to allow them to engage with complex topics.</p> <p>2) Develop the students' ability to think critically and to make connections between the study of language learning in general and their own experience of learning English.</p> <p>3) Encourage students to speak out, share and listen to the ideas of others.</p>		
Course Schedule	<p>The schedule listed below is a provisional guide to the topics that will be covered during the course.</p> <p>Week 1 Course introduction</p> <p>Week 2 What is language and are humans the only ones who can use it?</p> <p>Week 3 How we learn our first language</p> <p>Week 4 Do we have a Language Acquisition Device inside our brains?</p> <p>Week 5 Similarities and differences between first and second language acquisition, part one</p> <p>Week 6 Similarities and differences between first and second language acquisition, part two</p> <p>Week 7 Individual differences in second language learning</p> <p>Week 8 Midterm short presentations</p> <p>Week 9 Connectionism and socio-cognitive development approaches, part one</p> <p>Week 10 Connectionism and socio-cognitive development approaches, part two</p> <p>Week 11 The crucial importance of constructions in language development, part one</p> <p>Week 12 The crucial importance of constructions in language development, part two + student presentations, part one</p> <p>Week 13 Student presentations, part two</p> <p>Week 14 Student presentations, part three</p> <p>Week 15 Completing student presentations and final test</p>		
Homework	Students will be expected to positively engage in preparation for and review of lesson material. In addition to a general explanation regarding preparations for the course to be given at the beginning of the semester, instructors will be providing specific instructions at appropriate times throughout the semester regarding preparation for individual classes. Students will additionally be expected to proactively establish their own goals and learning plans and to autonomously engage therein. If students do not prepare adequately, they may fail to master the content and consequently there is a possibility that they be unable to gain credit for the course. It is therefore heartily recommended that students earnestly and systematically engage in preparation for classes.		
Grading System	Grades will be awarded according to the following framework: participation (level of participation in class activities and discussions): 25%; presentations on topics provided by the instructor: 25%; final test related based on the material discussed in class: 50%.		
Textbooks / Reading List			
Websites			
Website of Laboratory			
Additional Information	<p>There is no assigned textbook for this course. Students will be provided with handouts at the beginning of each class.</p> <p>This course is open to students with an Intermediate English ability (a score of 420-500 on the TOEFL-ITP), and will be also opened as a code-shared subject of "International Exchange Program".</p>		

Course Name	Anthropology: History and Debates		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027063
Instructor(s) (Institution)	HANSEN Paul Simon 大学院メディア・コミュニケーション研究院		
Course Objectives	The objective of this seminar is for students to learn about the philosophical, political and social history of anthropological thought. This objective will be met through the use of weekly readings, film, and required presentations, papers, and thinking through dialectics and discussion. Students are also encouraged to improve their English language abilities.		
Course Goals	<p>The main goal of this seminar is to acquaint students with the complex and nuanced history of anthropological thought. Thus, the course will be of particular interest to students in the social sciences and humanities; notably anthropology, folklore, area studies, sociology, social theory, cultural studies, philosophy, history, etc. However, a secondary goal of this seminar is for students to improve their English communication skills. This includes thinking critically, speaking, listening, reading, and writing.</p> <p>Further details as to how this goal is to be achieved are outlined below. Please be aware that this course will be taught presuming the same level of English proficiency as would be expected in the UK, the US, Canada, Australia etc. Nitobe students, Hustep students, and MJSP students are very welcome.</p>		
Course Schedule	<ol style="list-style-type: none"> 1. Introduction: We will cover expectations, order research groups, and discuss a number of definitions that are particular to the course material. 2. Proto-Anthropology? : A clarification of terms and an example presentation and discussion. 3. Social Science and the Victorian period 4. Foundations of a modern anthropology Part One 5. Foundations of a modern anthropology Part Two 6. Impact of the Second World War on Anthropology 7. The Posts: postmodern, postcolonial, and post-structural thought 8. Presentations (first Assignment due review of a theorist) 9. Anthropology and Film (review assignment given) 10. New angles in anthropology (related to student interests) 11. Readings and seminar style discussion (participation essential) (Second Assignment due) 12. New angles in Anthropology 13. Readings and seminar style discussion (participation essential) 14. Final Individual paper, presentation and class discussion 15. Remaining presentations and discussion 		
Homework	<p>A useful reference text would be:</p> <p>Erikson, Thomas and Finn Neilsen. 2013. A History of Anthropology 2nd ed. London: Pluto Press</p> <p>(Other reference texts will be discussed in the seminar).</p>		
Grading System	<p>Students will be graded 50% on class participation: including 20% (effort and discussion participation), 3 X 30% (presentation 1 or 2 group presentations dependent on the enrollment levels of the class and 1 individual presentation.</p> <p>Written evaluation will count for 50%: including a 20 % film review and 30% final exam or assignment.</p> <p>Grades will be given on an 11 point system</p>		
Textbooks / Reading List	Readings will be uploaded to a shared course folder. However, students will also be required to do their own research and search for relevant texts.		
Websites	http://www.alanmacfarlane.com/ancestors/audiovisual.html		
Website of Laboratory			
Additional Information	<p>An interest in the history of anthropology or the social sciences in general will prove to be motivating. Students are encouraged to note that this is an advanced seminar.</p> <p>The course is taught at a level of English equal to taking a similar course in North America or Europe.</p>		

Course Name	Career Planning		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027064
Instructor(s) (Institution)	Peter FIRKOLA 高等教育推進機構		
Course Objectives	This course provides an introduction to the field of career development.		
Course Goals	This course will offer students the opportunity to think about and actively plan their own careers.		
Course Schedule	<p>Week 1 Introduction</p> <p>Week 2 Background on Careers</p> <p>Week 3 Key Career Concepts</p> <p>Week 4 Interests</p> <p>Week 5 Work Values</p> <p>Week 6 Personality Type</p> <p>Week 7 Aptitudes</p> <p>Week 8 Skills</p> <p>Week 9 Strengths and EQ</p> <p>Week 10 Visit Career Counseling Office</p> <p>Week 11 Creating a Career Plan</p> <p>Week 12 Career Trends</p> <p>Week 13 Presentations</p> <p>Week 14 Presentations</p> <p>Week 15 Wrap Up</p>		
Homework	Homework assignments will be given each week (1-2 hours).		
Grading System	Evaluation will be based on class attendance and participation, a career plan report, a group paper, and a presentation of the paper. Detailed information will be provided on the first day of class.		
Textbooks / Reading List	A suggested reading list will be provided to read about various topics in greater detail		
Websites			
Website of Laboratory			
Additional Information			

Course Name	Japanese Management		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	3000	Course Number	027065
Instructor(s) (Institution)	Peter FIRKOLA 高等教育推進機構		
Course Objectives	This course introduces the Japanese management system. First, Japanese management will be examined from a historical perspective. The key dimensions of Japanese culture and their impact on traditional management practices will then be discussed. Next, an examination of the current situation and how these traditional practices are changing.		
Course Goals	The goal of this course is to provide students with a basic understanding of Japanese management practices as well as insights into doing business with Japanese companies.		
Course Schedule	<p>Week 1 Introduction</p> <p>Week 2 Management and Economics Overview</p> <p>Week 3 Historical / Cultural Perspective</p> <p>Week 4 Pillars of Japanese Style Management</p> <p>Week 5 Traditional Management Practices I: Recruitment</p> <p>Week 6 Traditional Management Practices II: Training & Promotion</p> <p>Week 7 Media Presentations</p> <p>Week 8 Field Trip: Factory Tour</p> <p>Week 9 Current Management Issues in Japan</p> <p>Week 10 An Insider's Perspective: Guest Speaker</p> <p>Week 11 Case Study: Successful Japanese Company</p> <p>Week 12 Emerging Management Trends in Japan</p> <p>Week 13 Presentations</p> <p>Week 14 Presentations</p> <p>Week 15 Wrap Up</p>		
Homework	A reading assignment of 10-20 pages will be given each week (1-2 hours).		
Grading System	Evaluation will be based on class attendance and participation, a media presentation, a term paper, and a presentation of the paper. Detailed information will be provided on the first day of class.		
Textbooks / Reading List	A detailed reading list will be provided on the first day of class.		
Websites			
Website of Laboratory			
Additional Information			

Course Name	Integrated Science II		
Semester, Year	First Semester, 2019	Number of Credits	2 credits
Course level	1000	Course Number	027066
Instructor(s) (Institution)	Osamu SETO 高等教育推進機構		
Course Objectives	The objective of this course is to let any student, regardless of his and her major, to learn wide and rich scientific knowledge and to be a well-educated person. It is expected that students will establish scientific literacy on various natural phenomena and be able to deal with the scientific aspects of problems in public debate.		
Course Goals	<p>The goal of this course are for student to</p> <ol style="list-style-type: none"> 1. Not just have collections of knowledge but be able to explain facts and those scientific reasons. 2. Have numeracy and able to develop discussions based on quantitative estimation. 3. Study subjects properly and make reports in ethically correct manner. 		
Course Schedule	<ol style="list-style-type: none"> 1. The Nucleus of the Atom 2. The Ultimate Structure of Matter 3. Star 4. Cosmology 5. Earth and Planets 6. Earth 7. Rocks Cycle 8. Plate Tectonics 9. Atmospheric Cycle 10. Meteorology 11. Paleontology 12. The Hydrologic Cycle 13. Ecology, Ecosystems, and the Environment 		
Homework	If the tutor gives an assignment, students are supposed to give presentations about it in the next class.		
Grading System	Grades will be based on assignments and classroom activities (questions and answers, participation to discussion, presentations about questions and homework) (100%).		
Textbooks / Reading List	<p>Science Matters: Achieving Scientific Literacy Robert M. Hazen and James Trefil Anchor Books 2009 The Sciences: An Integrated Approach James Trefil and Robert M. Hazen Wiley 2010 Global Geomorphology Michael A. Summerfield 2015 2015 Earth: Portrait of a Planet Stephen Marshak W. W. Norton & Company 2015 Introducing Physical Geography Alan H. Strahler Wiley 2013 Additional reading list will be informed in class.</p>		
Websites			
Website of Laboratory			
Additional Information			