

35650601

○On-site Group Work

2 単位/Unit

春集中/Spring Intensive

京田辺/Kyotanabe

演習/Seminar

On-site Group Work

大西 有子

<概要/Course Content Summary >

This course aims at constructing the concept of solution building through the combination of lectures, field visits and group work. Lectures from the angles of both social science and engineering provide basic insight and knowledge in pursuing field visits and group work. Field visits give students the practical experience, while group work, made up of students from different specialties, offers students the platform for sharing ideas, seeking problems and discussing views based on knowledge gained in the class and experience gained on the field.

The details of the field visit in 2024 is yet to be determined, but it is planned to be held in Europe from the end of August to the early September, with cooperation of Daikin Industries, Ltd., local companies, universities, and international organizations. For reference, the field visit in 2023 was conducted in the Philippines for five days.

- In addition to the field visit, participation in lectures and the final presentation at Doshisha campus will be required.

- Necessary expenses incurred during the field visit will be covered by the GRM program.

- Prescreening may take place based on individual English competency levels.

<到達目標/Goals,Aims >

1. To understand the importance of multi-disciplinary approaches in problem solving.
2. To obtain basic skills to design a research project.
3. To understand the process in group work and project design.
4. To build interpersonal skills required to work with others.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第1週 DO Week	1	面接/Face-to-face	90分/min.
	Introduction		
	Group work preparation		
第2週	2	面接/Face-to-face	90分/min.
	Lecture (1)(Kyotanabe/Imadegawa) Lecture on cultural diversity, environment, development and others from the view of social science/ engineering		
	Group work preparation		
第3週	3	面接/Face-to-face	90分/min.
	Lecture (2) Lecture on cultural diversity, environment, development and others from the view of social science/ engineering		
	Group work preparation		
第4週	4	面接/Face-to-face	90分/min.
	Lecture (3) Lecture on cultural diversity, environment, development and others from the view of social science/ engineering		
	Group work preparation		
第5週	5	面接/Face-to-face	90分/min.
	Lecture (4) Lecture on cultural diversity, environment, development and others from the view of social science/ engineering		

	Group work preparation		
第 6 週	6	面接/Face-to-face	90 分/min.
	Lecture (5) Lecture on cultural diversity, environment, development and others from the view of social science/engineering		
	Group work preparation		
第 7 週	7	面接/Face-to-face	90 分/min.
	Lecture (6) Preparation for project design		
	Group work preparation		
第 8 週	8	面接/Face-to-face	90 分/min.
	Lecture (7) Preparation for project design/science/engineering		
	Group work preparation		
第 9 週	9	面接/Face-to-face	90 分/min.
	Site visit, lecture and discussion (TBD)		
	Group work preparation		
第 10 週	10	面接/Face-to-face	90 分/min.
	Site visit, lecture and discussion (TBD)		
	Group work preparation		
第 11 週	11	面接/Face-to-face	90 分/min.
	Site visit, lecture and discussion (TBD)		
	Group work preparation		
第 12 週	12	面接/Face-to-face	90 分/min.
	Site visit, lecture and discussion (TBD)		
	Group work preparation		
第 13 週	13	面接/Face-to-face	90 分/min.
	Site visit, lecture and discussion (TBD)		
	Group work preparation		
第 14 週	14	面接/Face-to-face	90 分/min.
	Site visit, lecture and discussion (TBD)		
	Group work preparation		
授業期間終了後/After the Class Period	15	面接/Face-to-face	90 分/min.
	Final presentation (Kyotanabe/Imadegawa)		
	Group work presentation		

An orientation will be given during the first lecture in the third week (from 10th to 14th) of April. The time, place, etc. will be separately notified to registrants.

Course consists of on-line, face-to-face, and on-site. Intensive classes and field visit will be scheduled in August. Detailed schedule will be announced before May.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド (動画視聴) /On-demand(watching video)	0 分/min.
オンデマンド (授業内課題) /On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Total Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

Attendance and contribution 35%
 Mid-term presentation 10%
 Final presentation 25%
 Final report 30%

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-class

科目担当者からの連絡方法/Contact method from instructor to students

e-class

<備考/Remarks >

The maximum number of students for this course is 10.

For further inquiries, please contact the GRM office.

35650611

○Resource Management for Coexistence and Cultural Diversity

2 単位/Unit 春学期/Spring インターネット/Internet 講義/Lecture

Resource Management for Coexistence and Cultural Diversity

稲葉 稔	小山田 英治	千田 二郎	八木 匡
濱 真一郎	大西 有子	長岡 直人	

<概要/Course Content Summary >

A term “resource” is often referred to natural resources, such as water, coal, petroleum, trees, etc. However, as often saying “human resource”, the use of term “resource” is not limited to natural resources. We consider that the applicability of term “resource” spreads in very wide range thus it is a useful concept to connect different study areas. There are many conflicts, from very tiny ones to that of global scale, that prevent people live together peacefully in the world. We can consider that many of those conflicts are caused by the insufficiency or inefficient distribution of “resources”. So, proper management or development of “resources” could help to solve these problems. In this course, students will learn the interpretation of “resource” and how we can translate problems with this concept. Lectures will be delivered by all different professors in each time and explain how the concept of “resource” can be adapted in each field. Lectures will also explain how the proper management of “resources” could contribute to solve problems of their field.

The course is delivered with the relayed lecture style in order to cover wide range of topics: both social and natural science. We believe that the concept of “resource” that we define could be applicable very wide range, but due to the limitation of faculty members, the course provides some lectures from electrical engineering, environmental science, informational science, water resource engineering, economics, political science, and public policies.

<到達目標/Goals,Aims >

1. To understand the concept of “resource” in the global resource management program
2. To realize the concept of “resource” can apply to wide area
3. To realize proper management of “resource” reduces the risk of conflict

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the “DO Week” >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第1週 DO Week		オンデマンド(動画視聴)/On-demand(watching video)	0分/min.
	Class assignment		
第2週	1	リアルタイム配信/Real-time online	90分/min.
	資源とは何か：資源と開発 [小山田] Natural Resource: Definition, Types and Examples Natural Resource and Development [Oyamada] Class assignment		
第3週	2	リアルタイム配信/Real-time online	90分/min.
	発電と送配電1 [長岡] Power generation and transmission 1 [Nagaoka] Class assignment		
第4週	3	リアルタイム配信/Real-time online	90分/min.
	発電と送配電1 [長岡] Power generation and transmission 2 [Nagaoka] Class assignment		
第5週	4	リアルタイム配信/Real-time online	90分/min.
	エネルギー資源とスマートグリッド [千田] Energy resources and smart grid [Senda] Class assignment		
第6週	5	リアルタイム配信/Real-time online	90分/min.

	化石燃料から水素エネルギー社会まで [稲葉] Energy resources - from fossil fuels to hydrogen economy [Inaba]		
	Class assignment		
第7週	6	リアルタイム配信/Real-time online	90分/min.
	正義と自由 (1) [濱] Justice and Liberty (1) [Hama]		
	Class assignment		
第8週	7	リアルタイム配信/Real-time online	90分/min.
	正義と自由 (2) [濱] Justice and Liberty (2) [Hama]		
	Class assignment		
第9週	8	リアルタイム配信/Real-time online	90分/min.
	Climate as the global commons [Onishi]		
	Class assignment		
第10週	9	リアルタイム配信/Real-time online	90分/min.
	人間性とコミュニティに基づく創造性 [八木] Creativity based on humanity and community [Yagi]		
	Class assignment		
第11週	10	リアルタイム配信/Real-time online	90分/min.
	SDGs のための政策 [八木] Policies for sustainable development goals [Yagi]		
	Class assignment		
第12週	11	リアルタイム配信/Real-time online	90分/min.
	向社会性とビジネス [八木] Pro-sociality and business [Yagi]		
	Class assignment		
第13週	12	リアルタイム配信/Real-time online	90分/min.
	Climate change impacts and adaptation (1)[Onishi]		
	Class assignment		
第14週	13	リアルタイム配信/Real-time online	90分/min.
	Climate change impacts and adaptation (2)[Onishi]		
	Class assignment		
第14週	14	リアルタイム配信/Real-time online	90分/min.
	International frameworks for managing the global commons (1)[Onishi]		
	Class assignment		
第14週	15	リアルタイム配信/Real-time online	90分/min.
	International frameworks for managing the global commons (2)[Onishi]		
	Class assignment		
授業期間終了後/After the Class Period		オンデマンド (動画視聴) /On-demand(watching video)	0分/min.

Lectures are given via Teams or Zoom online system. The schedule may be subject to changes and/or revisions.
受講生の構成や講義テーマに応じて、日本語で解説を行うことがある。

This course is held in the 2nd period on Sat.
この授業は基本的に土曜 2 講時に実施します。

授業実施方法 / How To Conduct a lesson	授業実施時間数 / Class Hours
面接/Face-to-face	0分/min.
オンデマンド (動画視聴) /On-demand(watching video)	0分/min.
オンデマンド (授業内課題) /On-demand(assignment in class)	0分/min.
リアルタイム配信/Real-time online	1350分/min.
その他/Others	0分/min.
総合計 / Total Amount class hours	1350分/min.

アクティブラーニング/Active Learning

発見学習 / Discovery Learning, 調査学習 / Research Based Learning, 課題解決型学習 / PBL (Project Based Learning), 問題解決型学習 / PBL (Problem Based Learning)

使用システム/System tools

Teams

<成績評価基準/Evaluation Criteria >

Attendance 50%

Class contributions (questions/comments) are also positively evaluated.

Assignments 50%

Prepare reports for several topics.

Each lecturer gives assignment to students during the class. Follow the instruction of each lecturer.

<テキスト/Textbook >

Necessary information/reading materials will be provided by each lecture as appropriate.

<参考文献/Reference Book >

Necessary information will be provided by each lecture as appropriate.

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

Students can contact directly to GRM office

科目担当者からの連絡方法/Contact method from instructor to students

Each lecture will contact students through GRM office

<備考/Remarks >

Detailed class information will be notified before the course starts.

インターネット

遠隔/Online

学則第9条の5対象：対象/Applicable

Article 9-5 of the Undergraduate Regulations applies

35650621

○Mathematics and Physics as Liberal Arts

2 単位/Unit 春学期/Spring

インターネット/Internet 講義/Lecture

Mathematics and Physics as Liberal Arts

CAMILLE-FAITH PASCUA ROMERO

<概要/Course Content Summary >

The course aims at giving students enough knowledge in physics to understand artificial social infrastructure and natural environment. It puts particular emphasis on electrical energy explaining how electrical power is generated, transported, distributed and utilized by people. Demonstration employing small scale models of electrical generators, fluid machines and motors should enhance students' understanding of energy conversion. Simple mathematical formulations of fundamental physics rules are given, but the course does not necessarily require high mathematical skills and abilities of students.

<到達目標/Goals,Aims >

Students will be able to calculate figures and quantities necessary for resource management

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
第1週 DO Week	1	リアルタイム配信/Real-time online	90分/min.
	Introduction to Physics Review class material		
第2週	2	リアルタイム配信/Real-time online	90分/min.
	Force and motion Homework #1		
第3週	3	リアルタイム配信/Real-time online	90分/min.
	Forms of Energy Review class material		
第4週	4	リアルタイム配信/Real-time online	90分/min.
	Mechanical Energy Homework #2		
第5週	5	リアルタイム配信/Real-time online	90分/min.
	Thermal Energy Review class material		
第6週	6	リアルタイム配信/Real-time online	90分/min.
	Radiant Energy Homework #3		
第7週	7	リアルタイム配信/Real-time online	90分/min.
	Electricity and Magnetism Review class material		
第8週	8	リアルタイム配信/Real-time online	90分/min.
	Electric Motors and Generators Homework #4		
第9週	9	リアルタイム配信/Real-time online	90分/min.
	Energy Storage Review class material		
第10週	10	リアルタイム配信/Real-time online	90分/min.
	Physics of Engines Homework #5		

第 11 週	11	リアルタイム配信/Real-time online	90 分/min.
	Renewable Energy Sources		
	Review class material		
第 12 週	12	リアルタイム配信/Real-time online	90 分/min.
	Nuclear Energy		
	Homework #6		
第 13 週	13	リアルタイム配信/Real-time online	90 分/min.
	Nuclear Hazards		
	Review class material		
第 14 週	14	リアルタイム配信/Real-time online	90 分/min.
	Physics for Other Sciences		
	Homework #7		
授業期間終了後/After the Class Period	15	リアルタイム配信/Real-time online	90 分/min.
	Course Review		
	Prepare for the final term report		

This course is held in the 2nd period on Thu.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	0 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	1350 分/min.
その他/Others	0 分/min.
総合計/Total Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

Attendance 20%

Students have to attend all classes

Class contribution (questions and comments) 20%

Good questions are highly evaluated.

Homework 20%

Summary of experiment

Final term paper 40%

Simulation of resource management

Qualitative evaluation of resources is essential and the ability to estimate necessary amounts of resources will be tested. Evaluation may change based upon students' understanding.

<テキスト/Textbook >

Handouts will be provided in every class

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

Send a message by email.

科目担当者からの連絡方法/Contact method from instructor to students

Messages will be sent to student's Doshisha email address.

35650622

△Infrastructure Design for Human Communities

2 単位/Unit 秋学期/Fall

インターネット/Internet 講義/Lecture

Infrastructure Design for Human Communities

CAMILLE-FAITH PASCUA ROMERO

<概要/Course Content Summary >

Infrastructure is the foundation of any kind of activities of human community. It provides protections to citizens and assign social resources at the occasion of natural disasters. Distribution of food, commodities, energy, work force, information, etc., such kinds of resources used in the human society are arranged through infrastructure. Thus, knowledge on how these components of infrastructure are integrated provides a viewpoint indispensable to make further study on resource management for non-engineering major graduate students. The aim of this course is to construct the foundation for non-engineering students to make further study on resource management with the way of thinking similar to engineers. As a basic level course, this course puts more emphasis on how to understand the logics and basic methodologies required for planning and designing of infrastructures, rather than obtaining individual knowledge. Tools that engineers are using for this purpose include mathematics, physics, and statistics. Therefore, basics of these subjects will be also taught in the class. The course puts more emphasis on actually solving problems, rather than just memorizing formulae, for a student to obtain some idea of thinking as an engineer.

<到達目標/Goals,Aims >

This course will let students understand the engineering procedure when engineers design some of infrastructural works. The goal of this course is, therefore, to make students to find some of the engineers' way of thinking through actually solving design problems, rather than to make them capable of deducing a correct answer in individual calculation.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第1週 DO Week	1	リアルタイム配信/Real-time online	90分/min.
	Introduction on Infrastructure Engineering		
	Review class material		
第2週	2	リアルタイム配信/Real-time online	90分/min.
	Physics and Chemistry for Infrastructure Engineering		
	Homework #1		
第3週	3	リアルタイム配信/Real-time online	90分/min.
	Social Science for Infrastructure Engineering		
	Review class material		
第4週	4	リアルタイム配信/Real-time online	90分/min.
	Housing Development		
	Homework #2		
第5週	5	リアルタイム配信/Real-time online	90分/min.
	Urban planning		
	Review class material		
第6週	6	リアルタイム配信/Real-time online	90分/min.
	Public Facilities and Services		
	Homework #3		
第7週	7	リアルタイム配信/Real-time online	90分/min.
	Transportation Networks		
	Review class material		
第8週	8	リアルタイム配信/Real-time online	90分/min.
	Water System		

	Prepare a mid-term report		
第 9 週	9	リアルタイム配信/Real-time online	90 分/min.
	Waste Management		
	Mid-term report		
第 10 週	10	リアルタイム配信/Real-time online	90 分/min.
	Electrical System		
	Review class material		
第 11 週	11	リアルタイム配信/Real-time online	90 分/min.
	Telecommunication System		
	Homework #4		
第 12 週	12	リアルタイム配信/Real-time online	90 分/min.
	Preparation Against Natural Disasters		
	Review class material		
第 13 週	13	リアルタイム配信/Real-time online	90 分/min.
	Infrastructure Sustainability		
	Homework #5		
第 14 週	14	リアルタイム配信/Real-time online	90 分/min.
	Project Planning Tools		
	Review class material		
授業期間終了後/After the Class Period	15	リアルタイム配信/Real-time online	90 分/min.
	Course Review		
	Prepare a final term report		

This course is held in the 2nd period on Fri.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	0 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	1350 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

< 成績評価基準/Evaluation Criteria >

Homework 50%

Submit five sets of homework

Mid-term report 15%

Include quantitative analysis

Final term report 15%

Highlight engineers' view point

Attendance 20%

Some classes may be opened via web

< 連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

Send a message by email.

科目担当者からの連絡方法/Contact method from instructor to students

Messages will be sent to student's Doshisha email address.

< 備考/Remarks >

Some classes may be opened via web depending upon the condition of epidemic.

35650623

△Environmental Earth Science as Liberal Arts

2 単位/Unit 秋集中/Fall Intensive

京田辺/Kyotanabe 講義/Lecture

Environmental Earth Science as Liberal Arts

大西 有子

<概要/Course Content Summary >

This course introduces graduate students, regardless of their background, to scientific perspectives on environmental systems of the earth. It will cover fundamental and important concepts in understanding the physical processes that are shaping the Earth and its resources, including the climate, surface, and biological processes. It will take a closer look at functioning and variations of biological resources through field observations in Kyoto City and provide computer-based practice using geographical information systems (GIS).

<到達目標/Goals,Aims >

The objective of this class is to develop a better understanding of formation of the earth's surface environment and natural resources from viewpoints of geology and physical geography. Students should gain an appreciation for the complexity and uniqueness of terrestrial environment and natural resources.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第1週 DO Week	1	面接/Face-to-face	90分/min.
	Introduction		
	Review of related articles		
第2週	2	面接/Face-to-face	90分/min.
	Anthropocene		
	Review of related articles		
第3週	3	面接/Face-to-face	90分/min.
	Climate systems		
	Review of related articles		
第4週	4	面接/Face-to-face	90分/min.
	Climate change		
	Review of related articles		
第5週	5	面接/Face-to-face	90分/min.
	Plate tectonics		
	Review of related articles		
第6週	6	面接/Face-to-face	90分/min.
	Earthquakes		
	Review of related articles		
第7週	7	面接/Face-to-face	90分/min.
	Biomes and ecosystems		
	Review of related articles		
第8週	8	面接/Face-to-face	90分/min.
	Phenology		
	Review of related articles		
第9週	9	面接/Face-to-face	90分/min.
	Field observation (1)		
	Preparation of the field report		
第10週	10	面接/Face-to-face	90分/min.
	Field observation (2)		

	Preparation of the field report		
第 11 週	11	面接/Face-to-face	90 分/min.
	Maps and map properties		
	Review of related articles		
第 12 週	12	面接/Face-to-face	90 分/min.
	Introduction to geographical information systems		
	Review of related articles		
第 13 週	13	面接/Face-to-face	90 分/min.
	Computer-based practice		
	Preparation of the analysis report		
第 14 週	14	面接/Face-to-face	90 分/min.
	Computer-based practice		
	Preparation of the analysis report		
授業期間終了後/After the Class Period	15	面接/Face-to-face	90 分/min.
	Summary		
	Review of the course		

This class is provided as an intensive course, not necessarily on a weekly basis. The schedule will be organized in the first week of the fall semester.

For any student who feels difficulty in the field observations based on the impact of disability, reasonable accommodations will be considered on a case-by-case basis.

受講生の構成や講義テーマに応じて、日本語で解説を行うことがある。

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド (動画視聴) /On-demand(watching video)	0 分/min.
オンデマンド (授業内課題) /On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

Attendance and participation 40%

Contribution to class discussions

Homework 30%

Report of computer-based practice

End-of-term report 30%

Understanding of the lecture topics

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-class

科目担当者からの連絡方法/Contact method from instructor to students

e-class

火曜日 2 講時

面接/Face-to-face

学則第 9 条の 5 対象：対象外/Not Applicable

Article 9-5 of the Undergraduate Regulations applies

35650624

○Global Resource Management: Interdisciplinary Approach1-Natural Science

2 単位/Unit 春学期/Spring 京田辺/Kyotanabe 講義/Lecture

Global Resource Management: Interdisciplinary Approach1-Natural Science

大西 有子

<概要/Course Content Summary >

This course introduces the students to the interdisciplinary approach to global resource management, illustrated by a case of climate change and biological conservation. The course will first look at how the climate has been changing and how it is affecting the biological resources. It will then provide some details about climate change modelling and the future projected impacts. Finally, the course will cover approaches to manage the resources in light of changing climate.

<到達目標/Goals,Aims >

Upon completion, students will be able to:

1. deepen their understanding of the process and impacts of climate change on ecosystems,
2. critically examine future changes in climate and ecosystems, and
3. gain insights into the interlinkage between the scientific findings and resource management.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

あり / Deliver the video

URL は各学期の DO Week 開始日までに公開されます。The URL will be available by the day before the start of the DO Week of each semester.

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
第 1 週 DO Week	1	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Introduction		
	Review of related articles		
第 2 週	2	面接/Face-to-face	90 分/min.
	Climate change		
	Review of related articles		
第 3 週	3	面接/Face-to-face	90 分/min.
	Past changes		
	Review of related articles		
第 4 週	4	面接/Face-to-face	90 分/min.
	Climate models and scenarios		
	Review of related articles		
第 5 週	5	面接/Face-to-face	90 分/min.
	Future changes		
	Review of related articles		
第 6 週	6	面接/Face-to-face	90 分/min.
	Species range shifts		
	Review of related articles		
第 7 週	7	面接/Face-to-face	90 分/min.
	Phenological shifts		
	Review of related articles		
第 8 週	8	面接/Face-to-face	90 分/min.
	Extinctions		
	Review of related articles		
第 9 週	9	面接/Face-to-face	90 分/min.

	Student presentations		
	Review of related articles		
第 10 週	10	面接/Face-to-face	90 分/min.
	Modelling species distributions		
	Review of related articles		
第 11 週	11	面接/Face-to-face	90 分/min.
	Modelling phenological responses		
	Review of related articles		
第 12 週	12	面接/Face-to-face	90 分/min.
	Adaptation		
	Review of related articles		
第 13 週	13	面接/Face-to-face	90 分/min.
	Management of biological resources		
	Review of related articles		
第 14 週	14	面接/Face-to-face	90 分/min.
	Ecosystem-based approach		
	Review of related articles		
授業期間終了後/After the Class Period	15	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Summary		
	Preparation for the final report		

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1170 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	180 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Total Amount class hours	1350 分/min.

アクティブラーニング/Active Learning

使用システム/System tools

<成績評価基準/Evaluation Criteria >

Attendance and participation 30%

Contribution to class discussions

Presentation 30%

Understanding of the lecture topics

Final report 40%

Understanding of the lecture topics

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-class

科目担当者からの連絡方法/Contact method from instructor to students

e-class

木曜日 2 講時

面接/Face-to-face

学則第 9 条の 5 対象：対象外/Not Applicable

Article 9-5 of the Undergraduate Regulations applies

35650625

△Global Resource Management and Sustainable Development Goals1

2 単位/Unit 秋学期/Fall 京田辺/Kyotanabe 講義/Lecture

Global Resource Management and Sustainable Development Goals1

大西 有子

<概要/Course Content Summary >

The Sustainable Development Goals were adopted by the United Nations in 2015, which include 17 goals encompassing natural, social, and economic sectors. This course introduces various topics related to SDGs on natural resources, which are considered as a basis for social and economic goals. It is structured as an interdisciplinary course, with lectures consisting of scientific backgrounds to the problem, international/national measures (e.g. policies, legislations, assessments), and case studies of projects/actions by researchers and communities.

<到達目標/Goals,Aims >

Upon completion, students will have:

1. increased their understanding on issues related to SDGs on natural resources,
2. gained insights into the measures and actions to address the problems, and
3. increased awareness on interdisciplinary approach for achieving SDGs.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the “DO Week” >

あり / Deliver the video

URL は各学期の DO Week 開始日までに公開されます。The URL will be available by the day before the start of the DO Week of each semester.

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第 1 週 DO Week	1	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Introduction		
	Review of related articles		
第 2 週	2	面接/Face-to-face	90 分/min.
	Natural assests in SDGs		
	Review of related articles		
第 3 週	3	面接/Face-to-face	90 分/min.
	Biodiversity		
	Review of related articles		
第 4 週	4	面接/Face-to-face	90 分/min.
	Tropical deforestation		
	Review of related articles		
第 5 週	5	面接/Face-to-face	90 分/min.
	Marine plastic waste		
	Review of related articles		
第 6 週	6	面接/Face-to-face	90 分/min.
	Valuing biodiversity		
	Review of related articles		
第 7 週	7	面接/Face-to-face	90 分/min.
	Water pollution		
	Review of related articles		
第 8 週	8	面接/Face-to-face	90 分/min.
	Climate mitigation		
	Review of related articles		

第9週	9	面接/Face-to-face	90分/min.
	Topics on SDGs (TBD)		
	Review of related articles		
第10週	10	面接/Face-to-face	90分/min.
	Topics on SDGs (TBD)		
	Review of related articles		
第11週	11	面接/Face-to-face	90分/min.
	Linking science and society		
	Review of related articles		
第12週	12	面接/Face-to-face	90分/min.
	Agenda for the change		
	Review of related articles		
第13週	13	面接/Face-to-face	90分/min.
	Student presentations		
	Review of related articles		
第14週	14	面接/Face-to-face	90分/min.
	Planetary boundaries		
	Review of related articles		
授業期間終了後/After the Class Period	15	オンデマンド（動画視聴）/On-demand(watching video)	90分/min.
	Summary		
	Preparation for the final report		

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1170分/min.
オンデマンド（動画視聴）/On-demand(watching video)	180分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0分/min.
リアルタイム配信/Real-time online	0分/min.
その他/Others	0分/min.
総合計/Total Amount class hours	1350分/min.

アクティブラーニング/Active Learning

使用システム/System tools

<成績評価基準/Evaluation Criteria >

Attendance and participation 30%

Contribution to class discussions

Presentation 30%

Understanding of the lecture topics

Final report 40%

Understanding of the lecture topics

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-class

科目担当者からの連絡方法/Contact method from instructor to students

e-class

月曜日 1 講時

面接/Face-to-face

学則第 9 条の 5 対象：対象外/Not Applicable

Article 9-5 of the Undergraduate Regulations applies

35650631

○Global Resource Management and International Relations

2 単位/Unit 春学期/Spring 今出川/Imadegawa 講義/Lecture

Global Resource Management and International Relations

SEIFUDEIN ADEM

<概要/Course Content Summary >

This course reviews contending theories of International Relations (IR) by scrutinizing the basic concepts of each theory, its core, and auxiliary propositions, and its underlying assumptions. The course also applies each theory to contemporary history.

<到達目標/Goals,Aims >

By the end of the semester, students will have familiarized themselves with IR theories, learned how they are applied to real-world events and processes, and developed the critical thinking skills necessary for evaluating the comparative degree of usefulness of each and the level of their plausibility in different contexts.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第 1 週 DO Week	1	面接/Face-to-face	90 分/min.
	Introduction		
	Reading		
第 2 週	2	面接/Face-to-face	90 分/min.
	Previewing IR theories		
	Reading		
第 3 週	3	面接/Face-to-face	90 分/min.
	Comparing IR theories		
	Reading		
第 4 週	4	面接/Face-to-face	90 分/min.
	Realism (I)		
	Reading		
第 5 週	5	面接/Face-to-face	90 分/min.
	Realism (II)		
	Reading		
第 6 週	6	面接/Face-to-face	90 分/min.
	Liberalism (I)		
	Reading		
第 7 週	7	面接/Face-to-face	90 分/min.
	Liberalism (II)		
	Reading		
第 8 週	8	面接/Face-to-face	90 分/min.
	Post-Positivist theories		
	Reading		
第 9 週	9	面接/Face-to-face	90 分/min.
	IR of the Global South (I)		
	Reading		
第 10 週	10	面接/Face-to-face	90 分/min.
	IR of the Global South (II)		
	Reading		

第 11 週	11	面接/Face-to-face	90 分/min.
	Applying IR theories (II)		
	Reading		
第 12 週	12	面接/Face-to-face	90 分/min.
	Applying IR theories (III)		
	Reading		
第 13 週	13	面接/Face-to-face	90 分/min.
	US and China		
	Reading		
第 14 週	14	面接/Face-to-face	90 分/min.
	Japan and China		
	Reading		
授業期間終了後/After the Class Period	15	面接/Face-to-face	90 分/min.
	Review and summary		
	Reading		

This schedule may be minimally modified in consultation with the students.

This course is held in the 1st period on Mon.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

< 成績評価基準/Evaluation Criteria >

Attendance 20%

Report 50%

Contributions to discussions 30%

< テキスト/Textbook >

Jennifer Sterling-Folker, *Making Sense of International Relations*, 2nd Edition.(Lynne Rienner, 2013).

< 参考文献/Reference Book >

Seifudein Adem, *Postcolonial Constructivism* (Palgrave Macmillan, 2021).

< 連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-mail

科目担当者からの連絡方法/Contact method from instructor to students

e-mail

火曜日 6 講時

面接/Face-to-face

学則第 9 条の 5 対象：対象外/Not Applicable

Article 9-5 of the Undergraduate Regulations applies

35650632

△Research Methods of Social Sciences

2 単位/Unit

秋学期/Fall

今出川/Imadegawa 講義/Lecture

Research Methods of Social Sciences

SEIFUDEIN ADEM

<概要/Course Content Summary >

Theoretical perspectives about the social sciences had for long viewed cultures and civilizations through a vertical divide—as stratified and hierarchical. Culture had been thus marginalized as an important variable for understanding relations between societies. But after the end of the Cold War the role of culture and identity in global affairs has begun to re-capture the attention of many. We join the growing intellectual trend by highlighting the relevance of cultural forces for a deeper understanding of the dynamics within societies and the relationships among them.

<到達目標/Goals,Aims >

In this course, we will explore the utility of the cultural approach for deepening our understanding of the relationship between societies in addition to (rather than instead of) the scientific approach. By the end of the course, students will have acquired adequate knowledge to identify the defining features, merits, and demerits of both approaches. They will also have understood more fully the role of cultural forces in global affairs. The course is reading-intensive and supported by relevant documentaries.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the “DO Week” >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
第 1 週 DO Week	1	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	On the scientific method Reading		
第 2 週	2	面接/Face-to-face	90 分/min.
	Can we study society scientifically? Reading		
第 3 週	3	面接/Face-to-face	90 分/min.
	On cultural approach Reading		
第 4 週	4	面接/Face-to-face	90 分/min.
	Scientific method versus cultural approach Reading		
第 5 週	5	面接/Face-to-face	90 分/min.
	The role of religion in international relations Reading		
第 6 週	6	面接/Face-to-face	90 分/min.
	On historical approach Reading		
第 7 週	7	面接/Face-to-face	90 分/min.
	The role of language in international relations Reading		
第 8 週	8	面接/Face-to-face	90 分/min.
	The role of ethnicity and race in international relations Reading		
第 9 週	9	面接/Face-to-face	90 分/min.

	Culture and dialogues of civilizations		
	Reading		
第 10 週	10	面接/Face-to-face	90 分/min.
	Culture and clash of civilizations		
	Reading		
第 11 週	11	面接/Face-to-face	90 分/min.
	Culture and comparative warfare		
	Reading		
第 12 週	12	面接/Face-to-face	90 分/min.
	Culture and comparative democratization		
	Reading		
第 13 週	13	面接/Face-to-face	90 分/min.
	Culture and comparative modernization		
	Reading		
第 14 週	14	面接/Face-to-face	90 分/min.
	Culture and globalization		
	Reading		
授業期間終了後/After the Class Period	15	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Review and summary		
	Reading		

The above schedule may be minimally modified in consultation with the students.

This course is held in the 6th period on Tue.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1170 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	180 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

Class participation 20%

Report 50%

Presentation 30%

Students will be required to write a report on a topic of their choice but related to the broader theme of the course and make presentations in class. The instructor will provide constructive feedback orally and/or in writing.

<テキスト/Textbook >

Ali Mazrui, *World Federation of Cultures* (The Free Press, 1976).

David H. Fischer, *Historians' Fallacies* (Harper & Row, 1970).

<参考文献/Reference Book >

R N. Lebow, *Cultural Theory of International Relations* (Cambridge U. P.).

Seifudein Adem, *Postcolonial Constructivism* (Palgrave Macmillan).

In addition to the above books, other materials (available to the students in advance) will be used for further guidance and stimulation.

<参照 URL/URL >

<https://www.youtube.com/channel/UCHI79pr4JaYbYBJSY5-A-iA/videos> The Africans. BBC/PBS Documentary

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-mail

科目担当者からの連絡方法/Contact method from instructor to students

e-mail

35650633

△Global Society in the Modern World

2 単位/Unit 秋集中/Fall Intensive 今出川/Imadegawa 講義/Lecture

Global Society in the Modern World

小山田 英治

<概要/Course Content Summary >

It is over 25 years since the word “globalization” has been established. To begin with, what is globalization? What are the reasons behind pursuing globalization? How has this changed the world? This course will look at the global issues of today (gap between the rich and poor, migration across national borders, religious and cultural coexistence, refugees, human security and others), examine the causes and impact of these issues, and find possible measures. Furthermore, in-depth understanding on key perspectives needed in the study of global issues will be gained. While developing knowledge through actual case studies and insights from practitioners, analysis of corrective measures will be done. Special lectures from developing countries will be invited for deeper understanding the impact of globalization from their perspectives. This course is an intensive classes. Detailed class schedule will be discussed with the students.

<到達目標/Goals,Aims >

The goal of this degree program is to offer guidance and support to each student’s individual research theme and methodology through academic studies on the approach to addressing global issues and understanding the need for key perspectives in global studies.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the “DO Week” >

あり / Deliver the video

URL は各学期の DO Week 開始日までに公開されます。The URL will be available by the day before the start of the DO Week of each semester.

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
		内容/Contents	
		授業計画外の学習/Assignments	
第1週 DO Week		リアルタイム配信/Real-time online	0分/min.
第2週	1	面接/Face-to-face	90分/min.
		Observation of various global issues (I) Instruction will be given during the class	
第3週	2	面接/Face-to-face	90分/min.
		Observation of various global issues (II) Instruction will be given during the class	
第4週	3	面接/Face-to-face	90分/min.
		Global governance Instruction will be given during the class	
第5週	4	面接/Face-to-face	90分/min.
		Population and migration Instruction will be given during the class	
第6週	5	面接/Face-to-face	90分/min.
		Religion and inter-cultural issues Instruction will be given during the class	
第7週	6	面接/Face-to-face	90分/min.
		Development and Rich-Poor gap Instruction will be given during the class	
第8週	7	面接/Face-to-face	90分/min.
		Environment/energy/food Instruction will be given during the class	
第9週	8	面接/Face-to-face	90分/min.
		Case studies I (poverty and development) Instruction will be given during the class	

第 10 週	9	面接/Face-to-face	90 分/min.
	Case studies II (role of government, civil society and company in promoting global governance)		
	Instruction will be given during the class		
第 11 週	10	面接/Face-to-face	90 分/min.
	Case studies III (religion and harmonious coexistence)		
	Instruction will be given during the class		
第 12 週	11	面接/Face-to-face	90 分/min.
	Case studies IV (human rights)		
	Instruction will be given during the class		
第 13 週	12	面接/Face-to-face	90 分/min.
	Group discussion I		
	Instruction will be given during the class		
第 14 週	13	面接/Face-to-face	90 分/min.
	Group discussion II		
	Instruction will be given during the class		
第 14 週	14	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Perspective from developing countries		
	Instruction will be given during the class		
第 14 週	15	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Wrap up session		
	Instruction will be given during the class		
授業期間終了後/After the Class Period		オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.

This course is an intensive course

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1170 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	180 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

アクティブラーニング/Active Learning

調査学習 / Research Based Learning, 課題解決型学習 / PBL (Project Based Learning), 問題解決型学習 / PBL (Problem Based Learning), プレゼンテーション / Presentation

使用システム/System tools

Teams

For details, please contact GRM office

<成績評価基準/Evaluation Criteria >

Class attendance, participation, etc 50%

Short reports 20%

Presentation 30%

<テキスト/Textbook >

適宜資料を配付

<参考文献/Reference Book >

Handout sheet will be distributed per class

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

Student can directly contact GRM office

科目担当者からの連絡方法/Contact method from instructor to students

Instructors will contact students directly using emails, etc.

<備考/Remarks >

For detailed schedule, please contact GRM office

木曜日 2 講時

面接/Face-to-face

学則第 9 条の 5 対象：対象外/Not Applicable

Article 9-5 of the Undergraduate Regulations applies

35650634 ○Global Resource Management: Interdisciplinary Approach2-Humanity and Social Science
2 単位/Unit 春学期/Spring 今出川/Imadegawa 講義/Lecture
Global Resource Management: Interdisciplinary Approach2-Humanity and Social Science
大西 有子

<概要/Course Content Summary >

This course introduces the students to interdisciplinary approach to global resource management, with a focus on practical methods for collaboration. Global resource crisis is occurring and continues to be unsolved because a wide range of people are involved in various ways. To address the issue, it is important that we collaborate with various stakeholders and work out effective and appropriate solutions together, but the collaboration is often very difficult. This course will provide overviews and hands-on exercises for enhancing interdisciplinary and transdisciplinary (working with people with no scientific expertise) approach for problem-solving.

<到達目標/Goals,Aims >

Upon completion, students will have basic knowledge and skills for:

1. understanding common characteristics of the global resource crisis,
2. examining and analysing the problem in collaboration, and
3. managing interdisciplinary or transdisciplinary projects.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

あり / Deliver the video

URL は各学期の DO Week 開始日までに公開されます。The URL will be available by the day before the start of the DO Week of each semester.

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
第 1 週 DO Week	1	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Introduction		
	Review of related articles		
第 2 週	2	面接/Face-to-face	90 分/min.
	Wicked problem		
	Review of related articles		
第 3 週	3	面接/Face-to-face	90 分/min.
	Systems thinking		
	Review of related articles		
第 4 週	4	面接/Face-to-face	90 分/min.
	Interdisciplinarity (ID) and transdisciplinarity (TD)		
	Review of related articles		
第 5 週	5	面接/Face-to-face	90 分/min.
	Tools and methods for ID and TD		
	Review of related articles		
第 6 週	6	面接/Face-to-face	90 分/min.
	Problem identification		
	Preparation for presentation		
第 7 週	7	面接/Face-to-face	90 分/min.
	Stakeholder analysis		
	Preparation for presentation		
第 8 週	8	面接/Face-to-face	90 分/min.
	Presentation/discussion		

	Reflection		
第 9 週	9	面接/Face-to-face	90 分/min.
	Visioning and backcasting		
	Preparation for presentation		
第 10 週	10	面接/Face-to-face	90 分/min.
	Theory of change		
	Preparation for presentation		
第 11 週	11	面接/Face-to-face	90 分/min.
	Presentation/discussion		
	Reflection		
第 12 週	12	面接/Face-to-face	90 分/min.
	Co-creation patterns 1		
	Review of related articles		
第 13 週	13	面接/Face-to-face	90 分/min.
	Co-creation patterns 2		
	Review of related articles		
第 14 週	14	面接/Face-to-face	90 分/min.
	Co-creation patterns 3		
	Review of related articles		
授業期間終了後/After the Class Period	15	オンデマンド（動画視聴）/On- demand(watching video)	90 分/min.
	Summary		
	Reflection		

Lectures 5, 6, 9, 10 involve group exercises. Students are expected to present the results from the exercises in Weeks 8 and 11. As the course is highly participative, the contents and lecture orders may change depending on the number of students enrolled.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1170 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	180 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

アクティブラーニング/Active Learning

使用システム/System tools

<成績評価基準/Evaluation Criteria >

Attendance and participation 30%
 Contribution to class discussions
 Presentations on group exercises 40%
 Contributions to the discussions
 Final report 30%
 Understanding of the lecture topics

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-class

科目担当者からの連絡方法/Contact method from instructor to students

e-class

火曜日 2 講時

面接/Face-to-face

学則第 9 条の 5 対象：対象外/Not Applicable

Article 9-5 of the Undergraduate Regulations applies

35650635

△Global Resource Management and Sustainable Development Goals2

2 単位/Unit 秋学期/Fall 今出川/Imadegawa 講義/Lecture

Global Resource Management and Sustainable Development Goals2

大西 有子

<概要/Course Content Summary >

The Sustainable Development Goals were adopted by the United Nations in 2015, which include 17 goals encompassing natural, social, and economic sectors. This course introduces various topics related to SDGs, with a focus on social and economic sectors. The course covers the institutions related to SDGs and various case studies on community or scientific efforts in addressing the societal problems. The course includes participation to a local SDGs event in northern Kyoto.

<到達目標/Goals,Aims >

Upon completion, students will have:

1. increased their understanding on issues related to sustainability and SDGs,
2. gained insights into the roles and work of international organisations, and
3. enhanced knowledge and skills for identifying possible actions.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the “DO Week” >

あり / Deliver the video

URL は各学期の DO Week 開始日までに公開されます。The URL will be available by the day before the start of the DO Week of each semester.

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第 1 週 DO Week	1	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Introduction		
	Review of related articles		
第 2 週	2	面接/Face-to-face	90 分/min.
	Sustainability and SDGs		
	Review of related articles		
第 3 週	3	面接/Face-to-face	90 分/min.
	Role of united nations and international organisations		
	Review of related articles		
第 4 週	4	面接/Face-to-face	90 分/min.
	Working in international organisations		
	Review of related articles		
第 5 週	5	面接/Face-to-face	90 分/min.
	What is poverty?		
	Review of related articles		
第 6 週	6	面接/Face-to-face	90 分/min.
	Food resources and hunger		
	Review of related articles		
第 7 週	7	面接/Face-to-face	90 分/min.
	Waste management		
	Review of related articles		
第 8 週	8	面接/Face-to-face	90 分/min.
	Field visit preparation (group work)		
	Preparation for field visit		
第 9 週	9	面接/Face-to-face	90 分/min.

	SDGs in action 1 (field visit)		
	Preparation for a report		
第 10 週	10	面接/Face-to-face	90 分/min.
	SDGs in action 2 (field visit)		
	Preparation for a report		
第 11 週	11	面接/Face-to-face	90 分/min.
	Group discussions		
	Preparation for report		
第 12 週	12	面接/Face-to-face	90 分/min.
	Topics for SDGs 1		
	Review of related articles		
第 13 週	13	面接/Face-to-face	90 分/min.
	Topics for SDGs 2		
	Review of related articles		
第 14 週	14	面接/Face-to-face	90 分/min.
	Topics for SDGs 3		
	Review of related articles		
授業期間終了後/After the Class Period	15	オンデマンド（動画視聴）/On-demand(watching video)	90 分/min.
	Summary		
	Reflection		

This is a very interactive course and includes group discussions and a field visit. The content may change depending on the number of students enrolled.

A field visit is provisionally planned on Saturday 23rd November in the Keihoku region, located in the north-west of Kyoto-city, to participate in the local SDGs event. (Please consult the course coordinator if you wish to take this course but cannot participate in the field visit. An individual arrangement may be made in place of field participation and report.)

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1170 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	180 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Total Amount class hours	1350 分/min.

アクティブラーニング/Active Learning

使用システム/System tools

<成績評価基準/Evaluation Criteria >

Attendance and participation 30%

Contribution to class discussions

Participation and a report on the field visit 40%

Active involvement and a short report

Final report 30%

Understanding of the lecture topics

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-class

科目担当者からの連絡方法/Contact method from instructor to students

e-class

35650641 OGRM Topics 1 (Natural Hazards and Disaster Management)

2 単位/Unit 春集中/Spring Intensive 今出川/Imadegawa 講義/Lecture

GRM Topics 1 (Natural Hazards and Disaster Management)

松川 杏寧

<概要/Course Content Summary >

Disasters are social phenomena, and the magnitude of the damage and the process of recovery and reconstruction resulting from them are influenced by the vulnerability of society, pre-disaster measures taken by society and legal systems, and the response during disaster occurrence. This lecture aims to examine the current state of disaster-related legislation in Japan and disaster preparedness and response based on it, using recent examples and issues from disasters.

<到達目標/Goals,Aims >

1. Explain the social vulnerabilities inherent in society,
2. Relate these social vulnerabilities to various challenges that arise during disasters,
3. Explain current legal systems and applicable theories for resolution and apply them as solutions,
4. Apply lecture contents and propose solutions towards problem-solving.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第1週 DO Week	1	面接/Face-to-face	90分/min.
	Disaster and Vulnerability:Understanding why disasters occur Gathering information on past disaster areas' news coverage.		
第2週	2	面接/Face-to-face	90分/min.
	Disaster-related Laws:Learning about the legal framework related to disasters Gathering information on past disaster areas' news coverage.		
第3週	3	面接/Face-to-face	90分/min.
	Life of Disaster Victims 1:Imagining the lives of disaster victims Gathering information on past disaster areas' news coverage.		
第4週	4	面接/Face-to-face	90分/min.
	Life of Disaster Victims 2:Imagining the reconstruction of disaster victims' lives Gathering information on past disaster areas' news coverage.		
第5週	5	面接/Face-to-face	90分/min.
	Crossroads:Experiencing the difficulties of disaster-affected areas at a crossroads Gathering information on past disaster areas' news coverage.		
第6週	6	面接/Face-to-face	90分/min.
	Welfare and Disaster Prevention:Understanding the close relationship between welfare and disaster prevention Searching for and understanding basic information on welfare systems and disaster-related laws.		
第7週	7	面接/Face-to-face	90分/min.
	Measures for Vulnerable Individuals During Disasters:Understanding PFND (Persons with Functional Needs in times of Disaster) Searching for and understanding basic information on welfare systems and disaster-related laws.		
第8週	8	面接/Face-to-face	90分/min.
	Disaster Response Tabletop Exercise 1-1:Simulating administrative disaster response Searching for and understanding basic information on welfare systems and disaster-related laws.		
第9週	9	面接/Face-to-face	90分/min.
	Disaster Response Tabletop Exercise 1-2:Simulating administrative disaster response Searching for and understanding basic information on welfare systems and disaster-related laws.		

第 10 週	10	面接/Face-to-face	90 分/min.
	Reflection:Reflecting on disaster response exercises Searching for and understanding basic information on welfare systems and disaster-related laws.		
第 11 週	11	面接/Face-to-face	90 分/min.
	Review of Previous Day:Reflecting on the lectures and tabletop exercise results so far Searching and collecting information necessary for conducting exercise tasks.		
第 12 週	12	面接/Face-to-face	90 分/min.
	Exercise for Collaboration:Understanding the difficulty of collaboration through the Dracula Extermination Exercise in the tabletop exercise Searching and collecting information necessary for conducting exercise tasks.		
第 13 週	13	面接/Face-to-face	90 分/min.
	Disaster Response Tabletop Exercise 2-1:Implementing exercises based on reflection Searching and collecting information necessary for conducting exercise tasks.		
第 14 週	14	面接/Face-to-face	90 分/min.
	Disaster Response Tabletop Exercise 2-2:Implementing exercises based on reflection Searching and collecting information necessary for conducting exercise tasks.		
授業期間終了後/ After the Class Period	15	面接/Face-to-face	90 分/min.
	Exercise Presentation:Presenting the results of the exercises and lessons learned Searching and collecting information necessary for conducting exercise tasks.		

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

Attendance 10%

Punctuality, staying awake

Participation in class 30%

Engagement in group work, presentation attitude, etc.

Final report 60%

Linking personal experiences and thoughts with learning in class

There are multiple small-group activities, but it's important to think creatively during exercises, such as dividing tasks and searching for information to achieve better results, not relying solely on materials distributed in class or existing knowledge.

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

Only e-mail

科目担当者からの連絡方法/Contact method from instructor to students

E-class or e-mail

35650642 OGRM Topics 2 (Topics in Mathematics for Information and Data Sciences)
 2 単位/Unit 春集中/Spring Intensive 今出川/Imadegawa 講義/Lecture
 GRM Topics 2 (Topics in Mathematics for Information and Data Sciences)
 徳山 豪

<概要/Course Content Summary >

Learn how mathematics is used to develop information technology and data science. The lecturer will talk his own experiences in his career, give some puzzles, and solve problems together in the class to understand how mathematics is useful in real life.

Mathematical knowledge is not required, but students are suggested to study (say, search wikipedia) about the topics given in the lectures after each lecture to have deeper understanding. Students are requested to write short report of their study.

<到達目標/Goals,Aims >

Be interested in mathematical tools in data science, and lean some famous concepts in computer science and data science.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
第1週 DO Week	1	面接/Face-to-face	90分/min.
	Introduction: History & puzzles on mathematics and data science none		
第2週	2	面接/Face-to-face	90分/min.
	Making money using statistics none		
第3週	3	面接/Face-to-face	90分/min.
	"Let's make a deal" Study about basic statistics		
第4週	4	面接/Face-to-face	90分/min.
	Set Theory in Data Science & Pigeon hole principle Short report		
第5週	5	面接/Face-to-face	90分/min.
	Finding needle in haystack Study about web searching		
第6週	6	面接/Face-to-face	90分/min.
	Graphs,trees, and information Study about graphs and trees		
第7週	7	面接/Face-to-face	90分/min.
	How Google started Short report		
第8週	8	面接/Face-to-face	90分/min.
	Dream of secure communication None		
第9週	9	面接/Face-to-face	90分/min.
	Pime number & Fermat's little theorem Study about cryptography		
第10週	10	面接/Face-to-face	90分/min.
	Why Bitcoin is secure Short report		

第 11 週	11	面接/Face-to-face	90 分/min.
	Buffon's needle and applications		
	Study about probability		
第 12 週	12	面接/Face-to-face	90 分/min.
	Birthday and Xmas problems		
	none		
第 13 週	13	面接/Face-to-face	90 分/min.
	Informaion hiding and coding		
	Short report		
第 14 週	14	面接/Face-to-face	90 分/min.
	Work on a topic		
	Find your own topics		
授業期間終了後/After the Class Period	15	面接/Face-to-face	90 分/min.
	Gorup presentation		
	Prepare your presentation		

Students should make fun of mathematics. The lecturer will show several puzzlic topics that is also useful in real world. Students will enjoy them, discuss about them, do some exercises and kraft work.

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

Discussions 50%

level of understanding

Presentation/Essay 50%

Quality

Although students need to work on some mathematical problems, mathematical skill/talentl is not necessary to get the grade. Students should make questions and discussions

<テキスト/Textbook >

Texts will be uploaded on my web page or onedrive.

<参考文献/Reference Book >

John MacCormick, *9 Algorithms That Changed the Future* (Princeton U, Press , 2012).

徳山豪『工学基礎 離散数学とその応用 第二版』（数理工学社, 2022）

Peter Winkler, *Mathematical Puzzles: A Connoisseur's Collection* (CRC, 2017).

Advanced reading:

Rajeev Motwani and Prabhakar Raghavan, *Randomized Algorithms*, Cambrige University Press, 1995.

Peter Winkler, *Mathematical Puzzles: A Connoisseur's Collection* (AK Peters/CRC Recreational Mathematics Series, 2017

徳山豪 オンラインアルゴリズムとストリームアルゴリズム 共立出版 2007

赤石雅典 Python で儲かる AI を作る 日経 BP 2020

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

Email

科目担当者からの連絡方法/Contact method from instructor to students

Email

35650643-001

○Capacity Development for Coexistence and Cooperative Works-1

2 単位/Unit 春学期/Spring 今出川/Imadegawa 講義/Lecture

Capacity Development for Coexistence and Cooperative Works-1

上田 光明

<概要/Course Content Summary >

This course is designed to design their own career paths in the globalized world, and obtain necessary skills which might be needed when searching jobs.

Besides the lectures which will be given by the lecturer who is in charge of this class, there will be guest speakers and trainers coming from different sectors such as international organizations, government institutions, and global companies. The guests will talk about not only their first hand work experiences, but also share their personal insights about how PhD students could make best use of their time in university in terms of career path and how they can design their own career.

Apart from the lectures, students will also get the opportunity of exploring their literacy and competency skills by taking a special test called "prog-test" in order to know what extent they are ready for the work life.

<到達目標/Goals,Aims >

- 1)Self-analysis: Students, if they take all classes and join to special training sessions during the course, are expected to explore their strong and weak points, and how to polish up them in order to compete in the labour market.
- 2)Necessary presentation skills for job interviews: Students will learn how to talk about themselves in an effective way in front of job interviewers.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/ Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第 1 週 DO Week	1	面接/Face-to-face	90 分/min.
	Life and Career Path (How to manage academic life, relationship between learning a special subject and planning a career)		
第 2 週	2	面接/Face-to-face	90 分/min.
	Personal Preparedness (Mind set and ethical aspects required for the PhD candidates in terms of finding out own career path, and a best suited job to your talent in the global age)		
第 3 週	3	面接/Face-to-face	90 分/min.
	Technical Preparedness (Necessary technical skills and socially accepted behaviors for PhD holders in the globalized world)		
第 4 週	4	面接/Face-to-face	90 分/min.
	Various Career Experiences I (Possible careers for the PhD holders in the Government Institutions by a guest Speaker)		
第 5 週	5	面接/Face-to-face	90 分/min.
	Various Career Experiences II (Possible careers for PhD holders in the International Organizations by a guest Speaker)		
第 6 週	6	面接/Face-to-face	90 分/min.
	"PROG test" I (Taking a test to find out one's own advantageous characteristics in terms of designing a certain career path)		
第 7 週	7	面接/Face-to-face	90 分/min.
	Various Career Experiences III (Possible careers for PhD holders in NGOs and NPOs by a guest Speaker)		

第 8 週	8	面接/Face-to-face	90 分/min.
	“PROG test” II (Result and evaluation of the test)		
第 9 週	9	面接/Face-to-face	90 分/min.
	Fieldwork I (Visiting various work environments or bussines fairs to understand more about own possible work genre and type of works which fit own skills or research topic)		
第 10 週	10	面接/Face-to-face	90 分/min.
	Fieldwork II (visiting various work environments or bussines fairs to understand more about own possible work genre and type of works which fit own skills or research topic)		
第 11 週	11	面接/Face-to-face	90 分/min.
	Fieldwork III (Visiting various work environments or bussines fairs to understand more about own possible work genre and type of works which fit own skills or research topic)		
第 12 週	12	面接/Face-to-face	90 分/min.
	Self-Analysis (Understanding own strengths and weaknesses through through seeing yourself by yourself)		
第 13 週	13	面接/Face-to-face	90 分/min.
	Self PR (Tecniques of showing your abilities to the others through presentations about yourself, preparing poster of yourself, writing an effective CV and covering letter etc)		
第 14 週	14	面接/Face-to-face	90 分/min.
	Presentation skills for job hunting (Learning how to talk about yourself in an effective way.Necessary presentations skills for limited time during job interviews e.g. three minutes, 5 minutes and 10 minutes)		
授業期間終了後/ After the Class Period	15	面接/Face-to-face	90 分/min.
	Reading Club and Presentation (Students will be given topics or some written material to be studied and presented in order to know deeply about the career design and share own knowledge to the clasmates)		

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

平常点(出席, クラス参加, グループ作業の成果等)

Class attendance 40%

小レポート

Submitting report 30%

クラスで発表など

Presentation in class 30%

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-mail

科目担当者からの連絡方法/Contact method from instructor to students

e-mail

<備考/Remarks >

The lectures will be given face-to-face, but could be switched to online.

35650644

○Introductory Laboratory of Infrastructures

2 単位/Unit 春学期/Spring

今出川/Imadegawa 講義/Lecture

Introductory Laboratory of Infrastructures

池田 陽紀

<概要/Course Content Summary >

紛争地域や災害地域、発展途上国など、十分なインフラが確保されていない地域におけるフィールドワークや、インフラ自体の復旧や整備などの活動に従事する場合、電気工事、配管工事、道路整備工事などに用いられる基本的な工具や機器、電動工具や可搬式電源などに関する知識と実際に使う技能は非常に有用である。また、パソコンや小型通信端末による情報収集は、その地域における活動において、自身の安全確保のためにも重要である。そのため、電力インフラの不安定や事故などに起因する中長期的な電力喪失に対し、小型風力発電システムや太陽光発電システムによる自力での電力確保は安全の面からも極めて有効である。以上の観点から、本科目では電気回路に関する基礎的知識を身につけるとともに、個人レベルで運用可能な工具や機器について実物に触れることで、その利用法を身につけることを目的とする。そのため、実験を中心に授業を進める。また、電気工事に関する技術についても触れ、講義終了までに電気工事士資格の取得を目指す。

本科目は実習を中心とする科目であるが、「見る」「聴く」「話す」「四肢を使って作業する」などの、心身の機能障がいのため「社会的障壁」となる内容については、「合理的配慮」として代替措置をとることが可能なものがあります。登録前に、学部・研究科事務室までご相談ください。

<到達目標/Goals,Aims >

A knowledge and technics about a electrical construction, a plumbing construction, and road construction are useful to engage for some work such as a restoration of infrastructures and a construction of life line at a country with insufficient infrastructure, such as disaster-stricken areas or conflict areas.

In the class, learn about the tools and equipment which can be use in individual level, and the basics of electrical construction, by experiment using actual equipment.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

なし/Not deliver the video

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第 1 週 DO Week	1	面接/Face-to-face	90 分/min.
	インフラ実験実習の概要		
第 2 週	2	面接/Face-to-face	90 分/min.
	電気回路基礎 1 資料調査（予習・復習）		
第 3 週	3	面接/Face-to-face	90 分/min.
	電気回路基礎 2 "		
第 4 週	4	面接/Face-to-face	90 分/min.
	回路製作実習 1 "		
第 5 週	5	面接/Face-to-face	90 分/min.
	回路製作実習 2 "		
第 6 週	6	面接/Face-to-face	90 分/min.
	各種工具利用実習 "		
第 7 週	7	面接/Face-to-face	90 分/min.
	各種工具利用実習 "		

第 8 週	8	面接/Face-to-face	90 分/min.
	電気配線実習 1		
第 9 週	9	面接/Face-to-face	90 分/min.
	電気配線実習 2		
第 10 週	10	面接/Face-to-face	90 分/min.
	電気配線実習 3		
第 11 週	11	面接/Face-to-face	90 分/min.
	小型風力・太陽光発電利用実習 1		
第 12 週	12	面接/Face-to-face	90 分/min.
	小型風力・太陽光発電利用実習 2		
第 13 週	13	面接/Face-to-face	90 分/min.
	小型掘削機利用実習 1		
第 14 週	14	面接/Face-to-face	90 分/min.
	小型掘削機利用実習 2		
授業期間終了後/After the Class Period	15	面接/Face-to-face	90 分/min.
本講義のまとめ			

【講義内容】

- ・屋内実験室での講義および装置・器具を用いた実習 ※状況に応じて講義内容は前後します。
- ・屋外での小型風力・太陽光発電利用実習（1 日ないし 2 日）
- ・教習所での小型掘削機利用実習（2 日間 ※遠方の場合 1 泊 2 日）

【実験に用いる工具や機器】

電気配線用工具，各種一般的な工具，可搬式発電機，変圧器，小型風力発電機・太陽光発電装置，テスター（電圧・電流・抵抗簡易測定器），電池，各種配線用電源・ケーブル，ほか

授業実施方法/How To Conduct a lesson	授業実施時間数/Class Hours
面接/Face-to-face	1350 分/min.
オンデマンド（動画視聴）/On-demand(watching video)	0 分/min.
オンデマンド（授業内課題）/On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Totlal Amount class hours	1350 分/min.

<成績評価基準/Evaluation Criteria >

- 平常点(出席，クラス参加，グループ作業の成果等) 40%
実習状況により評価
- 小レポート 15%
レポートの提出状況・内容にて評価
- 提出物 15%
提出物の内容により評価
- 見学会・実験・実習評価・実技テスト・模擬授業等 30%
参加状況により評価

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

- ・連絡は Teams のチャット機能，ないし e-mail にて受け付ける。
- ・その他，授業時に調整し柔軟に対応する。

科目担当者からの連絡方法/Contact method from instructor to students

- ・連絡は Teams のチャット機能，ないし e-mail を用いる。

- ・その他，授業時に調整し柔軟に対応する。

<備考/Remarks >

対面で授業を実施する予定です。
宿泊を伴う実習は，実施形態を変更する可能性があります。

35650651

△Seminar for Advanced Liberal Arts

2 単位/Unit 秋集中/Fall Intensive 今出川/Imadegawa 演習/Seminar

Seminar for Advanced Liberal Arts

内藤 正典 大西 有子

<概要/Course Content Summary >

This seminar will be a wrap-up for students who have taken GRM-related courses. In addition, consider about contemporary issues surrounding society and explore how to solve them.

In this seminar, special lectures will be given by distinguished visiting professors.

The guest lecturers are individuals who have been active at the forefront of the world for many years. Through discussions with them, students will acquire the literacy and broad perspective to understand what is happening in the "current" world.

<到達目標/Goals,Aims >

The goal of this seminar is for the students to evaluate the results of taking GRM-related courses by themselves.

< DO Week 期間の初回動画等の配信/The delivery of the first video, etc. during the "DO Week" >

あり / Deliver the video

URL は各学期の DO Week 開始日までに公開されます。The URL will be available by the day before the start of the DO Week of each semester.

<授業計画/Schedule >

実施時期/Week	授業回/Number of Lesson	授業実施方法/How to Conduct a Lesson	授業実施時間数/Class Hours
	内容/Contents		
	授業計画外の学習/Assignments		
第1週 DO Week	1(5th period, Oct 2)	面接/Face-to-face	90分/min.
	Introduction		
第2週	2(5th period, Oct 9)	面接/Face-to-face	90分/min.
	Special lecture 1		
第3週	3(6th period, Oct 9)	面接/Face-to-face	90分/min.
	Special lecture 1 (wrap-up seminar)		
第4週	4(5th period, Oct 23)	面接/Face-to-face	90分/min.
	Special lecture 2		
第5週	5(6th period, Oct 23)	面接/Face-to-face	90分/min.
	Special lecture 2 (wrap-up seminar)		
第6週	6(5th period, Nov 6)	面接/Face-to-face	90分/min.
	Special lecture 3		
第7週	7(6th period, Nov 6)	面接/Face-to-face	90分/min.
	Special lecture 3 (wrap-up seminar)		
第8週	8(5th period, Nov 20)	面接/Face-to-face	90分/min.
	Special lecture 4		
第9週	9(6th period, Nov 20)	面接/Face-to-face	90分/min.
	Special lecture 4 (wrap-up seminar)		
第10週	10(5th period, Dec 4)	面接/Face-to-face	90分/min.
	Special lecture 5		
第11週	11(6th period, Dec 4)	面接/Face-to-face	90分/min.
	Special lecture 5 (wrap-up seminar)		
第12週	12(5th period, Dec 18)	面接/Face-to-face	90分/min.
	Special lecture 6		
第13週	13(6th period, Dec 18)	面接/Face-to-face	90分/min.
	Special lecture 6 (wrap-up seminar)		

第 14 週	14(5th period, Jan 15)	面接/Face-to-face	90 分/min.
	Wrap-up seminar		
授業期間終了後/After the Class Period	15(6th period, Jan 15)	面接/Face-to-face	90 分/min.
	Summary		

A detailed schedule of the special lectures will be announced in the first class.

The first class (Introduction) will be on October 2, 5th period.

※Class dates may change depending on the guest lecturer's schedule.

For example, this class covers such as "Issues of the international community and Japan role", "Democracy, Meritocracy, and World Order", etc,

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面接/Face-to-face	1350 分/min.
オンデマンド (動画視聴) /On-demand(watching video)	0 分/min.
オンデマンド (授業内課題) /On-demand(assignment in class)	0 分/min.
リアルタイム配信/Real-time online	0 分/min.
その他/Others	0 分/min.
総合計/Total Amount class hours	1350 分/min.

アクティブラーニング/Active Learning

使用システム/System tools

<成績評価基準/Evaluation Criteria >

Attendance and participation 50%

Contributions to discussions 50%

Understanding of the lecture topics

<連絡方法/Contact method >

科目担当者への連絡方法/Contact method from student to instructor

e-mail

科目担当者からの連絡方法/Contact method from instructor to students

e-mail