

Course Name: COIL - Intercontinental Perspectives on Climate Change

Semester: 2024 Winter

Class Time: 2024/1/17-1/26

Credit/Hours: 1/15-20 hours

(Ajou Univ: Korean Culture Workshop)

1. Introduction

This course is about sustainability of climate around the world. By learning the topic, students will be able to see how their daily behaviors affect the environment. In Particular, the topic can be learned through theory and practical simulation games.

And the course is interdisciplinary and international as professors from different specific major involved in this program through which students are able to virtually experience cultural exchanges as well as learning academic contents from different perspectives.

Universities involved in this programs are followings

- Karlsruhe University of Applied Sciences , Germany
- University of Bordeaux, France
- Ajou University, South Korea

2. Course Objectives

Professional Competences:

In view of climate change events and the worldwide urgency it is gaining; the effects of climate change are affecting nearly every country.

After taking this course, students/participants will gain:

1. A general understanding of globalization's effects on climate.
2. The capacity to assess climate change as an interconnected phenomenon depends on multiple variables/sectors present in every nation's economic system.
3. Students/participants will gain a general knowledge of policies associated with decarbonization as intended measures to contain climate change impacts.
4. Students/participants are encouraged to present institutional initiatives for solving the climate crisis from their own countries, namely, South Korea, France, and Germany.

Personal skills:

Moreover, important personal competencies after taking the course are:

1. Capacity for systemic thinking,
2. Effective discussion,
3. Presenting skills,
4. Interactive group dynamics,
5. Negotiation and representation skills,
6. Self-reflection about the own role as a human being, student, and future professional dealing with climate change affairs, and
7. Engagement with the climate change situation in the respective country of origin.
8. Global competence/Intercultural skills.

3. Class types and activities

Karlsruhe University of Applied Sciences (HKA)

In the frame of the **COIL - Intercontinental Perspectives on Climate Change** course, the HKA will offer the following learning formats:

1. The [En-ROADS](#) Simulation Tool (To offer multi-solving interventions to infer how to diminish climate change effects. Learning about climate change mitigation scenarios).
Depending on the number of participants, the HKA can offer two types of event formats:
 - a) The En-ROADS Climate Workshop
 - b) The Climate Action Simulation Game (UNO Format)
2. A Climate policy lecture & discussion (Status quo of climate governance and policies with a focus on European climate policies).

4. Teaching Method (Please put a check mark(s) V)

X	Lecture
x	Team Project(Presentation and case studies)
	Designing and Production

x	Discussion and Debate
	Experiments(role-playing, etc)
X	On-site Learning

5. Support System in Use (Please put a check mark(s) V)

	Bb
	Cyber lecture
	Web-based assignment

	Recording system
X	Online content
X	ILIAS from Karlsruhe

6. Teaching Tools (Please put a check mark(s) V)

X	PBL(Problem Based Learning)
X	TBL(Team Based Learning)
	FL(Flipped Learning)

X	CBL(Case Based Learning)
	UR(Undergraduate Research)
	DSAL(Data Science Active Learning)

7. Knowledge and ability required for taking this course

For the En-ROADS session, it is recommended that students work in groups and read the assigned materials. For the climate policy presentation, there are not any kind of requirements.

8. Method of Evaluation (TBD)

Evaluation Item	Number of Times	Evaluation Proportion	Remarks
Attendance			
Presentation			
Discussion			
Homework			
Study Hours	15-20 Hours		

9. Textbook and supplementary material

Main/sub	Title(Website)	Writer	Publisher	Publication Year
En-ROADS	https://en-roads.climateinteractive.org/scenario.html?v=23.11.0	Climate Interactive	https://www.climateinteractive.org/	Constantly updated
Climate Policy	https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal_en	Green Deal Strategy	European Commission	Constantly updated

10. Class Schedule

Day	Topics	Instructor (University)	Teaching Method	Evaluation Method	Matter to be prepared
1/17	Introduction				1 Hour
1/18	Intercultural skills. Presentation methodology.	U.Bordeaux	Lecture, Group activities.		3 Hour
1/19	En-ROADS (Depending on the number of participants the UNO Simulation game can be offered)	Karlsruhe			4 Hour
1/22	Climate Policy, focusing on the EU Green Deal	Karlsruhe			2 Hour
1/23	Climate change and impacts	Ajou			3 Hour
1/24	Mitigation and adaptation	Ajou			3 Hour
1/25	Presentation				3 Hour
1/26	Farewell	Closing			1 Hour

11. Other Notifications (Information about Lecturers)

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