

Course Name: COIL -Sustainability

Semester: 2025 Winter

Class Time: January 2nd ~ January 10th, 2025

European Time 10:00 / Korean Time 18:00

Credit/Hours: 1/15-20 hours

Participating Universities: Ajou University, Karlsruhe University of Applied Sciences, and University of Bordeaux

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 examples of climate changes around the world.

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 and content:

1. Presentation of sustainable initiatives at the HKA and exchange possibilities for students (International Program)
2. Introduction into climate change and the IPCC
3. Group reflexion
4. 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	Xinics from Ajou Univeristy

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 climate policy presentation, there are not any kind of requirements.

8. Method of Evaluation - TBD

Evaluation Item	Number of Times	Evaluation Proportion	Remarks
Attendance	7 Days	20%	
Presentation	1	80%	Mandatory
Discussion	Several Times		
Homework	-		
Lecture Hours	16 Hours		

9. Class Schedule

Day	Topics	Instructor (University)	Teaching Method	Class Time (Korean/ European)	Matter to be prepared / Duration
1/02	Introduction/Orientation			18:00 / 10:00	1 Hour
1/03	Climate change and impacts.	Prof. Jaeyoung Lee (Ajou)	Lecture, Group activities	18:00 / 10:00	3 Hours synchronous 10.30- 1.30
1/06	Intercultural skills. Presentation methodology	Prof.Thierry Villard (U.Bordeaux)	Lecture, Group Activities, Reflexion	18:00 / 10:00	3 Hours
1/07	Sustainable Finance	Prof. Holger Perlwitz (Karlsruhe)		22:00 / 14:00	1 Hour 30minutes
1/08	Mitigation and adaptation	Prof. Jaeyoung Lee (Ajou)	Lecture	18:00 / 10:00	3 Hours

1/09	Energy Transition in Germany	Prof. Marco Braun (Karlsruhe)	Lecture	18:00 / 10:00	1 Hour 30minutes
1/10	Presentation (Topic: Climate Change)			18:00 / 10:00	3 Hours

10. Other Notifications

Lecturers :

Thierry Villard IUT de Bordeaux/ University of Bordeaux
thierry.villard@u-bordeaux.fr

Prof. Holger Perlwitz, holger.perlwitz@h-ka.de Karlsruhe University of Applied Sciences
Prof. Marco Braun, marco.braun@h-ka.de Karlsruhe University of Applied Sciences

Jaeyoung Lee, Ajou University
<https://www.jaeylee.com/>

PRESENTATION

Topics for the presentation : **BIG AGENDA is CLIMATE CHANGE**

Some topics may include / may be found in:

- COP (Conference of the Parties) <https://www.cop28.com/>
- <https://unfccc.int/process/bodies/supreme-bodies/conference-of-the-parties-cop>