

Global Collaborative 2023 Summer Program		
Course Title	Climate Change : Science and Policy	
Time	Mon.~Fri. 13:30~16:30 (3hrs)	
Course description	<p>This course is intended for the students who have interest in the climate change issue and the climate diplomacy. Climate change is an unprecedented challenge to humanity as is shown by the IPCC Reports, and needs to be tackled with collective efforts of all countries, developed or developing. However, global response is not enough to meet the challenge, lacking sense of urgency. The lectures teach the reason why this kind of incongruity, tragedy of global commons, happens by analysing the core elements of the climate change regime. And this course also addresses the way to tackle the climate crisis. In addition, there are five (5) special lectures which will deepen the knowledge of climate change.</p>	
Goals	<ol style="list-style-type: none"> 1. To understand the seriousness of climate change crisis and the urgency of collective action across the world. 2. To understand the international climate change regime and the constraints - pros and cons - embedded in the regime. 3. To have some insights into the workable solution to the climate change problem. 4. To participate in global efforts to combat climate change as global citizens. 	
Reading Materials	<p>Texts of UNFCCC, Kyoto Protocol and Paris Agreement IPCC Sixth Assessment Report (AR6) UNEP Emissions Gap Report 2022 IEA World Energy Transition 2022 Obergassel W. et. al., “Phoenix from the Ashes - An Analysis of the Paris Agreement to the UNFCCC”, Wuppertal Institute, 2016 Kim Chan-Woo, <i>Korea’s Environmental Diplomacy (in Korean)</i>, PARKYOUNGSA, 2021 Kim Chan-Woo, <i>Post-2012 Climate Change Negotiations (in Korean)</i>, EcoLivre, 2010 Kim Chan-Woo, <i>Environmental Diplomacy in the 21st Century (in Korean)</i>, SANGSANG COMMUNICATION, 2006 Park Deok-Young, et. al. 2020, <i>Understanding Paris Agreement (in Korean)</i>, PARKYOUNGSA, 2020</p>	
Evaluation plan	Final exam	Attendance
	70	30
	Essay in the classroom	2 points deduction for every absence

Time		Curriculum
1st Week	Tues. (in-person)	Introduction to the course - Triple Planetary Crises - Anthropocene, Planetary Boundaries - Environmental Doomsday Clock - GHGs, GWP
	Wed. (in-person)	Intergovernmental Panel on Climate Change (IPCC) - Assessment Reports, AR6 - Scenarios of Human Development (SSPs)
	Thur. (in-person)	Evolution of International Climate Change Regime - UNFCCC, Kyoto Protocol, Paris Agreement - Science-based approach
	Fri. (in-person)	Modus Operandi of Regime - HQ(Secretariat) - Conference of the Parties (COP), COP/MOP - Subsidiary Bodies (SBSTA, SBI) - Group dynamics, consensus, side events - UN, G7, G20 etc.
2nd Week	Mon. (in-person)	Core Elements (1) : Shared Vision - Historical Responsibilities, CBDR, Bifurcation - Stabilizaion of GHGs, Temperature Goal (2°C vs 1.5°C), etc.
	Tues. (in-person)	Core Elements (2) : Mitigation - Long-term : Net-Zero, Carbon Neutrality - Short-term : 2030 NDC - UNEP Emissions Gap Report
	Wed. (in-person)	Core Elements (3) : Adaptation - National Adaptation Plan, Global Adaptation Goal - Loss and Damage - Climate Justice, etc.
	Thurs. (in-person)	Core Elements (4) : Means of Implementation - Finance : GCF, Funds, MDBs, ODA - Technology : Tech-trensfer, CTCN, IEA Report - Capacity-building : Training - Transparency & Global Stocktake
	Fri. (in-person)	Korea's Climate Change Diplomacy - History of searching for the alternative way - Accession to OECD, Post-2012/ Post-2020 negotiations
3rd Week	Mon. (in-person)	Introduction to the Paris Agreement (Special Lecture 1)
	Tues. (in-person)	Role of Carbon Market to Address Climate Change (Special Lecture 2)
	Wed. (online)	Climate Change, Earth Systems and Mass Extinctions (Special Lecture 3)
	Thur.	Water and Energy Cycles (Special Lecture 4)

	(online)	
	Fri. (in-person)	Comparative Politics of Green New Deals (Special Lecture 5)
4th Week	Mon. (in-person)	Exam (Writing an essay in the classroom)

Lecturers	Kim Chan-Woo, Professor Emeritus of Ministry of Foreign Affairs, Visiting Professor of Gyeongsang National University, Former Ambassador for Climate Change, MOFA. Chung Suh-Yong, Professor of Korea University. Kim Seok-Hyeon, Professor of Kyung Hee University. Lee Tae-Dong, Professor of Yonsei University.
Course grades	Grade is given on the basis of two elements: The result of final examination and the rate of attendance. The weight is 70% for the examination and 30% for the attendance. The final examination is an essay test on the given subject which will reflect the contents of lectures, and is taken in the classroom for two (2) hours.
Attendance policy	We will keep track of attendance, and will directly consider it in determining your course grade. We expect you to arrive in the classroom on time and remain in the classroom until class has ended.
Communication: E-mail	We will send out some materials and use e-mail if class had to be canceled due to an emergency or bad weather made a scheduled exam problematic.
Disability	If you have a disability and require any kind of accommodation to participate fully in this class, please tell Professor Kim Chan-Woo (E-mail: cwkim84@mofa.or.kr)
Course outline	<ul style="list-style-type: none"> - Intergovernmental Panel on Climate Change (IPCC) - Evolution of International Climate Change Regime - Modus Operandi of the Climate Regime - Core Elements: Shared Vision, Mitigation, Adaptation, Means of Implementation (Finance, Technology, Capacity-building), Transparency & Global Stocktake - Korea's Climate Change Diplomacy - Five (5) Special Lectures : Paris Agreement, Carbon Market, Earth Systems, Water & Energy, Green New Deals