

<<Last Updated:2022/05/30>>

Course Schedule Information

Course Code	88A068
Semester	Fall and Winter Term
Day and Period	Thu3
Course Name (Japanese)	アジア太平洋地域の気候変動 — 科学と解決策
Room	
Course Name	Climate Change in Asia Pacific — Science and Solutions
Capacity	0
Course Numbering Code	88INES9U105
Required/Optional	BARRETT BRENDAN 特任教授担当科目 Online/オンライン授業
Credits	2.0
Student Year	1,2,3,4,5,6
Field	
Instructor	BARRETT BRENDAN FRANCIS DOMINIC
Course of Media Class	Applicable (Undergraduate students can include up to 60 credits in media class course as requirements for graduation.)

※About Course of Media Class

"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.

Undergraduate students can include up to 60 credits in media class course as requirements for graduation.

Even if this is not the case, we may hold classes using the media.

Detailed Syllabus Information

Course Name	Climate Change in Asia Pacific — Science and Solutions
Language of the Course	English
Type of Class	Lecture Subject
Course Objective	The objective of this course is to explore climate science and to critically evaluate climate change impacts and responses in the Asia/Pacific region. The course is a collaboration between the Osaka University, Waseda University, Tsukuba University, National University of Samoa, University of Hawai'i at Mānoa and other university partners. As such, students experience a unique opportunity to connect with their peers across this region to discuss the climate crisis.
Learning Goals	As a result of this class, students will have competency in: <ul style="list-style-type: none"> • current and expected climate change impacts; • understanding of a wide array of short, medium and long-term climate change adaptation measures; • understanding of greenhouse gas reduction strategies from a multi-country and regional perspective; • ability to identify some major social and economic challenges facing the Asia Pacific region in the context of climate change; • Understanding of system-wide and individual approaches to making a low carbon transition.
Requirement / Prerequisite	This course requires class participation and engaged discussion. As this year's course will be held entirely virtually and students are expected to attend all sessions, unless there are special circumstances in which case students should inform the course coordinator in advance.
Class Plan	<p>Session 1 - Climate Science and Expected Impacts</p> <p>Session 2 - Student Breakout Session: Measuring Carbon Footprints</p> <p>Session 3 - Australian Bushfires of 2019/2020</p> <p>Session 4 - Student Breakout Session: 1.5C Lifestyles</p> <p>Session 5 - Climate Change, Sea Level Rise and Coastal Cities & Coral Reefs</p> <p>Session 6 - Accelerating Decarbonisation</p> <p>Session 7 - International climate change negotiations</p> <p>Session 8 - Renewable Energy in Samoa</p> <p>Session 9 - Carbon Neutral Hawaii by 2045</p> <p>Session 10 - Net-Zero Carbon and 100% Renewable Japan</p> <p>Session 11 - Student Presentations</p> <p>Session 12 - Climate Change and Asian Cities</p> <p>Session 13 - Carbon Divestment and Stranded Assets</p> <p>Session 14 - Climate Change and Food Security</p> <p>Session 15 - Waking up to the Climate Reality - Student Discussion</p>

Independent Study Outside of Class	
Textbooks	
Reference	A recommended reading list will be provided at the start of the course.
Grading Policy	The grading policy is as follows: Class Participation - 10% (Attendance & Contribution to Cross-Institution Collaboration) Individual Carbon Transitioning Discussion 20% 1.5C lifestyles Discussion 20% Pecha Kucha Presentation 30% Report 20%
Other Remarks	
Special Note	Co-instructors of this course include: Makena Coffman, Professor, Urban And Regional Planning, University of Hawaii Faainu Latu, Head of the Science Department, National University of Samoa Hiroshi Ohta, Professor, School of International Liberal Studies, Waseda University Felipe Sandoval, Assistant Professor, Faculty of Medicine, University of Tsukuba
Office Hour	
Keywords	
Messages to Prospective Students	This class was an early pioneer of synchronous distance learning. In the period from 2003 to 2021 over 1,500 students have successfully completed the course. With the COVID-19 pandemic the course moved to an entirely virtual mode of delivery. The course is designed to encourage extensive interaction between the students from the participating universities through the use of break-out sessions.

Instructor(s)

Instructor Name	Name (hiragana)	Affiliation, Title, Course	Office	Extension	Fax	E-mail
Brendan FD Barrett	バレットブレンダン	Centre for Global Initiatives		8321		Brendan.barrett@cscd.osaka-u.ac.jp

Cautions for Students

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