

ECOLOGY OF GLOBAL CHANGE (BIEB 194)

Summer Session II 2022

Tu/Th: 11:00 - 12:20 PM (on Zoom)

Professor Kaustuv Roy

Date	Lecture Topic	Readings
Tu Aug 2	Introduction to the class	
Th Aug 4	Species responses to climate change	<i>Walther et al. 2002</i>
Tu Aug 9	Species responses to climate change	<i>Tingley et al. 2009;</i> <i>Kharouba et al. 2018</i>
Th Aug 11	Fisheries and wildlife trade – past, present and future	<i>Milner-Gulland and</i> <i>Bennett 2003; Fenberg</i> <i>and Roy 2008</i>
Tu Aug 16	Biological responses to urbanization [Research Topics due]	<i>Aronson et al. 2014;</i> <i>Longcore & Rich 2004</i>
Th Aug 18	Biological responses to urbanization	<i>Johnson and Munshi-</i> <i>South 2017; Lahr et al.</i> <i>2018</i>
Tu Aug 23	Extinctions – past, present and future	<i>Barnosky et al. 2011;</i> <i>Forest et al. 2015</i>
Th Aug 25	Conservation and Sustainability	<i>Diaz et al. 2019; Cinner</i> <i>2018</i>
Tu Aug 30	Adapting to a changing world	<i>Kareiva and Marvier</i> <i>2012</i>
Th Sept 1	Student presentations [Individual Synopsis due]	

All course content available at: <http://canvas.ucsd.edu/>

Class Logistics and Policies - Please read carefully

Office hours for Professor Roy:

By appointment.

Course structure and expectations: In this class we will use an “Active Learning” approach. Each meeting will consist of a short introduction of the topic by the instructor followed by student-led discussions of the relevant primary research literature and other information. So everyone is expected to attend and participate in the discussions.

Students will also work in small groups to research a specific topic, chosen in consultation with the instructor, present their findings to the class and produce a short (~1000 word) **individual** synopsis of their findings.

Course Website: The course site on Canvas should provide you with required readings (i.e. primary research articles) and other course materials.

Readings: Everyone is expected to read the scientific papers assigned for each meeting. Please come prepared to discuss the papers and express your opinions/thoughts. The readings are in the "Readings" folder on Canvas as pdf files. The copyright of each of these articles is with their respective publishers/authors. By downloading an article, you agree to limit the use of the pdf file to printing of single copies for personal study. You may not modify the files in any way, or to use them for commercial purposes.

Assessment:

Your final grade for the class will be based on (i) class participation (50%) (ii) presentation (25%) and (iii) research synopsis (25%).

The individual synopsis is due on September 1, 2022.

*****A MESSAGE FROM THE UCSD ACADEMIC INTEGRITY OFFICE:**

Statement of Academic Integrity:

Students are expected to do their own work, as outlined in the UCSD Policy on Integrity of Scholarship <<http://www-senate.ucsd.edu/manual/appendices/app2.htm>>. Academic misconduct will not be tolerated. Any student who engages in suspicious conduct will be confronted and subjected to the disciplinary process. Cheaters will receive a failing grade on the exam, and/or in the course. They may also be suspended from UCSD pursuant to University guidelines. (Translation: just don't do it!)

Academic misconduct includes but is not limited to:

1. Cheating, such as using "crib notes" or copying answers from another student during the exam.
2. Plagiarism, such as using the writings or ideas of another person, either in whole or in part, without proper attribution to the author of the source.
3. Collusion, such as engaging in unauthorized collaboration on exams, completing for another student any part or the whole of an exam, or procuring, providing or accepting materials that contain questions or answers to an exam or assignment to be given at a subsequent time