

Biology of Global Change Lab (BI 306)
Fall 2021

Lecturer: Dr. Colleen Bove (she/her) (*see lecture syllabus for contact and office hours*)

Teaching Fellow:

Office Hours:

Lab section: Friday 11:15 – 2:00PM (C2)

COVID Safety Policies: Masks must be worn by instructors and students at all times according to BU policy (<https://www.bu.edu/back2bu/>) and the CDC's recommendation, regardless of vaccination status. Students and instructors must also adhere to BU's COVID testing policies and maintain good standing with daily symptom monitoring by displaying a cleared green badge before entering the room. Anyone not wearing a mask or noncompliant with BU's monitoring will be asked to leave. Refusal to leave will result in the Professor/TF informing the class that we will not proceed with instruction until the student leaves the room. If the student still refuses to leave the room, dismissal of the class will result, and the Dean's office will be contacted.

Attendance Policies: You are expected to attend all labs. If you must miss a lab for any reason, you need to communicate this with your TF or lecturer BEFORE the start of your scheduled lab time. Failure to communicate a missed lab in advance without a valid excuse will result in a 20% point deduction in the lab assignment submitted the following week.

Lab Attire: We will work with water, soil, and chemicals during labs, so you must dress accordingly. Appropriate attire for lab includes close-toed shoes and comfortable clothes that are appropriate for the weather and for possibly getting dirty. Lab field trips will occur under all weather conditions, so please come to lab prepared for wet and/or cold weather. Failing to wear appropriate attire, including masks, means you will not be able to attend lab and your absence will result in a grade deduction.

Diversity Statement: In this class, we are seriously committed to supporting diversity and inclusion among all classroom community members. We proactively strive to construct a safe and inclusive environment by respecting each other's dignity and privacy. We treat one another fairly and honour each member's experiences, beliefs, perspectives, abilities, and backgrounds. Our collective group is stronger because we strive to bring together people of all races, religion, language, immigration status, sexual orientation, gender identification, ability status, socio-economic status, and national identity. Bullying, hateful ideas, violent language, belittling, racial slurs, and other disrespectful or "othering" language or behaviour will not be tolerated in the classroom or online. **If you ever have any concerns about the lab or lecture climate, please reach out to an instructor (TF or lecturer).**

Land Acknowledgment Statement: We acknowledge that the territory on which Boston University stands is that of The Wampanoag and The Massachusetts People. Our classroom and BU's campus are places to honour and respect the history and continued efforts of the Native and Indigenous community leaders which make up Eastern Massachusetts and the surrounding region. This statement is one small step in acknowledging the history that brought us to reside on the land, and to help us seek understanding of our place within that history. Ownership of land is itself a colonial concept; many tribes had seasonal relationships with the land we currently inhabit. Today, Boston is still home to indigenous peoples, including the Mashpee Wampanoag and Wampanoag Tribe of Gay Head (Aquinnah).

Lab Calendar

Week of	Topic	Location	What's Due
2-Sep	First week of class; NO LAB	SCI 409	---
6-Sep	Intro to lab; R tutorial part 1	SCI 409	---
13-Sep	R tutorial part 2	SCI 409	Literature Cited Scavenger Hunt R Assignment 1
20-Sep	Winter Climate Change in New England	SCI 409	R Assignment 2
27-Sep	In-Class Preparation of Species Distribution and Group Presentations	SCI 409	Winter Climate Change Assignment
4-Oct	Water Quality in an Urban and Rural Ecosystem	College of Communication Lawn (outside 640 Commonwealth Ave)	---
11-Oct	Holiday, NO LAB	---	---
18-Oct	Carbon and Nitrogen Cycling in an Urban Ecosystem; Introduction to Carbon Budget	College of Communication Lawn (outside 640 Commonwealth Ave)	Water Quality Assignment
25-Oct	Carbon Budget of a Forested Ecosystem – Part I: Field Measurements	College of Communication Lawn (outside 640 Commonwealth Ave)	---
1-Nov	Introduction to Scientific Report Writing	SCI 409	---
8-Nov	Carbon Budget of a Forested Ecosystem - Part II: Data Analysis	SCI 409	Rough Draft of Carbon Budget Report Introduction & Annotated Bibliography
15-Nov	Open lab time - come in for help with Carbon Budget Report	SCI 409	---
22-Nov	Holiday, NO LAB	---	---
29-Nov	Carbon Budget of a Forested Ecosystem III: In-class Peer Review of Carbon Budget; Report Rough Draft & Scientific Paper Discussion	SCI 409	Complete Rough Draft of Carbon Budget Report
6-Dec	NO LAB	SCI 409	Final Carbon Budget Report

BI 306 lecture and lab will be fully in person Fall 2021 following BU's most recent policies, however, this is subject to change at any time. Any changes to course meeting locations and times will be communicated in advance to all students.

Lab Grades Breakdown

Assignments:	Points	Lab Percentage	% of Total Grade in Course
R Tutorial assignment (10 pts each)	20	10%	5%
Literature Cited Scavenger Hunt	20	10%	5%
Winter Climate Change Assignment	25	12.5%	6.25%
Water Quality Assignment	25	12.5%	6.25%
Carbon Budget Report Rough Draft	10	5%	2.5%
Carbon Budget Peer Review	10	5%	2.5%
Carbon Budget Report	40	20%	10%
Scientific Paper Discussion Assignment	10	5%	2.5%
Species Distribution Oral Presentation	20	10%	5%
Participation	20	10%	5%
TOTAL	200	100%	50%

Assignments: Lab assignments will be available on Blackboard by Friday before the corresponding lab. You are responsible for reading and understanding the handouts before arriving at lab. You are expected to come to the lab with a copy of the handout for the appropriate lab period. You can print the handout, or use a laptop.

Late and Missing Assignments: Lab assignments are due at the beginning of lab, unless otherwise stated. Due dates for the lab write-ups, lab report, and presentations are not negotiable. Late submissions will result in a 10% deduction per day and will not be accepted after one week past the due date. Lab assignments and reports must be submitted to Turnitin.com. Failure to upload an electronic copy to Turnitin.com will result in an incomplete submission. If you are concerned that there was an issue with your submission, please also email a copy to your TF before the start of lab time.