

# ENVIR 495A

## Blue Carbon, Green Water: Food Production Across Biomes



**Summer 2022  
A Term**

**W 1:10-5:40pm**

5 cr  
no prereqs

*Biological Systems,  
Earth Systems Literacy*

*All Students Welcome!*

Instructor:  
Eli Wheat, PhD

Students will explore connections between kelp mariculture, aquaculture and sustainable food production in the Puget Sound. Understand the complexity of the carbon cycle and its relevance to sustainable food production systems and ocean health. Reflect on the value of a bio-regionally focused diet. Expand upon ideas put forth by Robin Wall Kimmerer in 'Braiding Sweetgrass-- Indigenous Knowledge, Scientific Wisdom and the Teachings of Plants' as they relate to the course objectives. This culminating project may be submitted as a piece of writing or an alternative format as approved by instructors.

A strong theme of this course will be connecting carbon across the biomes from marine systems to soil-based systems. Food is a major contributor to our planetary carbon pollution and many researchers believe it can also become a powerful force in the reclamation of a healthy biosphere. In this class we will explore the many dimensions of how such healing might begin in our bio-region.

NOTE: Students registering for more than one course with the same number (eg, ENVIR 495) should contact [wieman@uw.edu](mailto:wieman@uw.edu) for assistance.

Instructor contact: Eli Wheat, [elizaw@uw.edu](mailto:elizaw@uw.edu)

Advisor contact: Ana Wieman, [enviradv@uw.edu](mailto:enviradv@uw.edu)



PROGRAM ON THE ENVIRONMENT  
UNIVERSITY of WASHINGTON  
College of the Environment