

Ecosystem Services for Ecologists

AEC XXX

Spring 20XX

Syllabus

DCL 102

T/Th 10:15-11:30

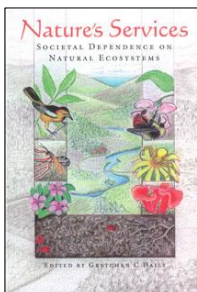
"In the end, we will conserve only what we love, we will love only what we understand, and we will understand only what we are taught"

Course Description and Objectives

An effective way to convince people that something is worth protecting is to show how it relates to their own lives – to convince them why it matters. In this course, we will focus on ecosystem services – nature’s contributions to people.

The goals of this course are for you to learn how to identify and practice quantifying nature’s benefits, understand value and valuation, explore implications for conservation and policy making, and delve into communicating ecological concepts to non-scientist audiences.

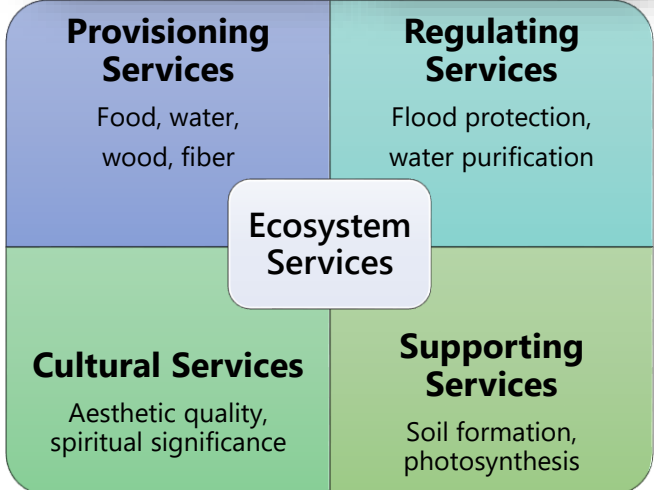
Required Text



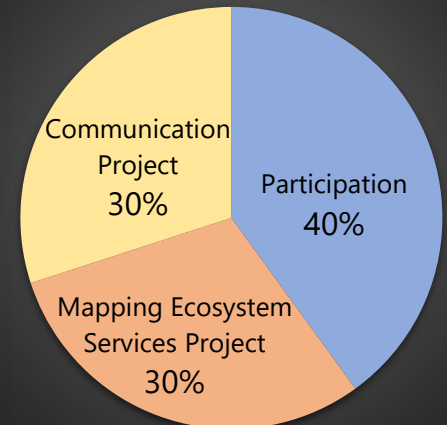
Required Software



What does nature provide us?



Assessment



Participation = readings, discussion, activities & assignments

Instructor: Jennifer Archambault

Email: jmarcham@ncsu.edu

Office: 258 David Clark Labs

Hours: by appointment

Course website: (URL here)



Topic Schedule by Week

- Jan 08: What are Ecosystem Services?
- Jan 15: History & Ethics of ES
- Jan 22: Biodiversity & Ecosystem Functioning
- Jan 29: Categorizing ES; Provisioning & Regulating ES
- Feb 05: Cultural & Supporting ES
- Feb 12: What is value?
- Feb 19: Value & Valuation
- Feb 26: Mapping Ecosystem Services
- Mar 05: Mapping Ecosystem Services
- Mar 12: Spring Break, No Class!
- Mar 19: Strategies for Communicating with Non-scientists
- Mar 26: Forests, Grasslands, Aquatic ES
- Apr 02: ES in Human Dominated Systems
- Apr 09: ES, Land Mgt, & Conservation
- Apr 16: Using ES to inform Policy
- Apr 23: Final Thoughts

Struggling? Overwhelmed?

We're all human. If you are experiencing difficulty, seek help early on. Make an appointment with me. Visit the [course website](#) for a wealth of subject matter resources. Take advantage of resources at [NCSU Libraries](#). Or seek assistance through the [Student Services Center](#).

Grading and Policies – The Fine Print

Grading follows NCSU's standard grade distribution. Students taking the course for credit only (S/U) must complete all assignments and achieve a final average of at least 69.5% to receive a grade of "S". All policies are on the course website at <https://wolfware.ncsu.edu/>.

Important Due Dates!

- Jan 22. Initial research topic
- Feb 07. Research Statement
- Feb 21. Draft technical communication
- Mar 07. InVEST presentation & brief
- Mar 21. Message box
- Mar 26. Draft non-scientist communication
- Apr 04. Draft full project
- Apr 11. Peer review
- Apr 25. Final project & presentation

Late Work Will Not Be Accepted

