

SUPERVISED INTERNSHIP: NATIVE PLANT STEWARDSHIP & ETHNOBOTANY

ENST 396/ENST 590: Spring 2019

2 credits

T/TH 1:00pm-3:50pm (internship working time)

T 4:00-4:50pm (weekly class time)

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Internship:

Natural Areas of the University of Montana include over 650 acres of undeveloped land on Mt Sentinel and Fort Missoula. These lands are managed for specific natural area values including biodiversity of Native plants, preservation of wildlife habitat, availability for research and education areas, recreational pursuits and for cultural activities. Natural Areas of the University of Montana also include landscaped areas on campus such as the Ethnobotany Garden surrounding the Payne Family Native American Center.

Student interns will work on campus and on UM's Natural Areas. Students will learn about ecology and conservation of native plants and invasive species, landscaping with native plants, restoring natural areas, stewardship and management of natural areas and the ethnobotany of Native peoples.

This is a hands-on internship working outdoors with native plants and in UM's Natural Areas, combined with academic work. Students will meet weekly with instructors. Students will work for 6 hours per week, which will include class time, work time, public education and/or project time. This is a 2-credit internship. Students may add another credit with an individual project.

INTERNSHIP LEARNING OUTCOMES

By the end of the internship the student will be able to;

- 1) Identify Native and invasive plants of Montana and the region.
- 2) Improve intellectual skills of critically and efficiently reading and discussing scholarly and scientific works.
- 3) Improve communication and collaboration skills, listening to others, speaking publicly and working as a team.

Creating Community:

Do your part to help create community within the internship and among Environmental Studies students. This means: listening, fully participating, and being respectful. Showcase your

intellectual curiosity by engaging with all types of ideas, not just the ones that interest you. And when you speak, remember to look at your classmates and engage in a conversation, do not look exclusively at the professor.

Communication

Communication is necessary and expected for this internship. Please check your UM email regularly for internship updates – things can change quickly especially with changing weather. Always tell us if you will be late or will miss a scheduled work-time. We will also set up a group text-messages or group chat to schedule and discuss weekly/daily work activities.

Expectations & Types of Work

Students will work 6 hours per week, which will include class time, work time, public education and project time. The 6 hours per week of work is FLEXIBLE – but must be arranged with and approved by the instructor(s). Interns will need to receive training on some tasks during the first four weeks. Interns can work independently. Interns should not defer work hours.

Class Time:

We will meet once per week to discuss schedule, plus hear about the botany of Native plants and/or ethnobotanical uses by Native peoples. We are schedule to meet Tuesdays at 4:00 to 4:50pm, or as arranged.

Work Time:

We will be working primarily at the Ethnobotany Gardens at the Payne Center for Native American Studies, UM FLAT, Mount Sentinel, Fort Missoula & other natural areas as assigned.

Ethnobotany Garden at PFNAC: Interns provide overall maintenance of the Ethnobotany Garden, including: procuring new plants, transplanting and watering new plants; weeding, mulching, and pruning; working and/or supervising volunteers; and leading environmental education tours.

UM FLAT: The University of Montana Forum for Living with Appropriate Technology (UM FLAT) is an intentional, living-learning community dedicated to everyday sustainability. As the FLAT begins Native plant landscaping, we will assist with their efforts.

Public Education: We provide environmental education regarding about the Ethnobotany Garden to the campus and wider community. Interns will work with the instructors to set up information table(s) with native plants samples, Ethnobotany garden maps, discuss the importance of Native plants and provide tours.

Website & Social Media: The Ethnobotany Garden maintains a website, which has been 100% created, written and maintain (with Spectral Fusion) by interns. We also have a Facebook group “UM’s Ethnobotany Garden,” please help us post photos and information for the public.

Project Time:

Some students work on separate projects with permission of the instructors, for 1 extra credit.

Equipment

Students will work outside. Students should be prepared for the weather and wear appropriate clothing, close-toed shoes, gloves, bring a water bottle and be prepared to get dirty. Interns will use hand-held gardening tools.

Required Readings

Marilyn Marler, "University of Montana Natural Area's Management Plan," (Spring 2015).

Recommended Readings

Linda Kershaw. *Plants of the Rocky Mountains* (Lone Pine Field Guide), Lone Pine, 1998.

Attendance

"Students are expected to attend all class meetings and complete all assignments for courses in which they are enrolled. Instructors may excuse brief and occasional absences for reasons of illness, injury, family emergency, religious observance or participation in a University sponsored activity.... Instructors shall excuse absences for reasons of military service or mandatory public service."

"Cultural or ceremonial leave allows excused absences for cultural, religious, and ceremonial purposes to meet the student's customs and traditions or to participate in related activities."

<http://www.umt.edu/catalog/acad/acadpolicy>.

Student Conduct Code

"Being a student at UM presupposes a commitment to the principles and policies embodied in the Code." http://life.umt.edu/vpsa/student_conduct.php.

Disability Student Services

The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). Appropriate accommodations will be made pursuant to UM policies. <http://life.umt.edu/dss>.

Weekly Work Schedule

Week 1: Aug. 27/29, Welcome Feast, Aug. 30th

Week 2: Sept. 3/5

Week 3: Sept. 10/12

Week 4: Sept. 17/19

Week 5: Sept. 24/26, American Indian Day, Sept. 27th

Week 6: Oct. 1/3, Homecoming, Oct. 5th

Week 7: Oct. 8/10

Week 8: Oct. 15/17, Indigenous Peoples Day, Oct. 14th (Tommy Orange, Presidential Lecture)

Week 9: Oct. 22/24

Week 10: Oct. 28/31