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Spring 2-1-2019

### ENST 590.06: Supervised Internship - Native Plants

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#### Recommended Citation

La Pier, Rosalyn Rae, "ENST 590.06: Supervised Internship - Native Plants" (2019). *University of Montana Course Syllabi*. 9855.

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**SUPERVISED INTERNSHIP: NATIVE PLANT STEWARDSHIP & ETHNOBOTANY**  
ENST 396/ENST 590: Spring 2019

T/TH 1:00pm-3:50pm (or as arranged)  
T 4:00-4:50pm (class-time or as arranged)

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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 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.

**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. Spring 2019 the FLAT plans to begin a new Native plants landscaping. We will assist with their project.

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 has a website, which has been 100% created, written and maintain (with assistance from Spectral Fusion) by interns. We also have a Facebook page “UM’s Ethnobotany Garden,” please join and post photos or information for the public.

### **Project Time:**

Some students work on separate projects with permission of the instructors.

## **Equipment**

Students will work outside. Students should be prepared for the weather and wear appropriate clothing, wear close-toed shoes, bring gloves 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**

Any field guide , such as: Linda Kershaw. *Plants of the Rocky Mountains* (Lone Pine Field Guide), Lone Pine, 1998, or an on-line field guide, such as: [fieldguide.mt.gov](http://fieldguide.mt.gov).

## **Attendance**

Attendance is mandatory. "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." <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](http://life.umt.edu/vpsa/student_conduct.php).

## **Disability Student Services**

Appropriate accommodations will be made by the University pursuant to the policies of the Disability Student Services. <http://life.umt.edu/dss>.

## **Weekly Work Schedule**

Week 1: Feb. 19/21

Week 2: Feb. 26/28 (Presidential Lecture: Winona LaDuke)

Week 3: Mar. 5/7

Week 4: Mar. 12/14

Week 5: Mar. 19/21

Week 6: Mar. 26/28 (SPRING BREAK)

Week 7: Apr. 2/4

Week 8: Apr. 9/11

Week 9: Apr. 16/18 (UM Kyi-yo Powwow, Apr. 19<sup>th</sup> & 20<sup>th</sup>)

Week 10: Apr. 23/25

Finals Week: Apr. 29-May 3.