

## **Plant Materials for Conservation and Restoration (HOS 6932)**

**3 credits**

**Offered Summer C, odd years only**

### **Course Description**

The goal of this course is to understand how to select, produce, and establish native plants for ecological restoration. Students will learn the scientific basis for guidelines on planning revegetation, selecting plant material, and formulating successful conservation and restoration plans for rare, threatened and endangered species.

### **Pre-requisites**

FOR 5157 Principles and Practices of Ecosystem Restoration or instructor approval.

### **Instructors Contact Information**

Dr. Carrie Reinhardt Adams	OFFICE	Environmental Horticulture, Bldg. 68, Room 107
Instructor	PHONE	352-273-4502
	EMAIL	<a href="mailto:rein0050@ufl.edu">rein0050@ufl.edu</a>

### **Course Organization**

ORH 6932 is an asynchronous web-based course. The course will be managed using Canvas course management system <https://lss.at.ufl.edu/> (click on “e-Learning in Canvas”).

### **Office Hours for instructors**

Rather than holding office hours, to support the asynchronous nature of the course, we ask that student contact instructors to arrange individual meeting time in advance. We encourage students to take advantage of this arrangement and contact instructors whenever useful.

### **Course Goals**

The goal of ORH 6932: Plant Materials for Conservation and Restoration is to understand how to select, produce, and establish native plants for ecological restoration.

### **Learning Objectives**

By the end of the semester, students should be able to:

- Discern when active re-vegetation or when natural re-colonization can be relied upon for restoration.
- Explain ecological and horticultural implications of proper plant selection, production, establishment for the purposes of restoration.
- Formulate and justify appropriate conservation and restoration plans for rare, threatened and endangered species.

## **General Course Expectations**

We hope that this will be an exciting and stretching learning experience for you. To that end, we want to be as clear as possible about expectations. It is each student's responsibility to become familiar with this syllabus and to be aware of required due dates for quizzes, assignments, and communications with the professor. Be active participants in your own learning. Think about course material as it relates to the larger world in which you live and work.

## **Assessments & Grading**

Your grade will be based on:

30% Quizzes (3 each at 10% apiece)

20% Final Exam (cumulative)

25% Peer Teaching Project

Teach peers about a selected topic in an engaging and thought-provoking manner by producing a narrated PowerPoint® lecture. The lecture will be presented to your peers via VoiceThread near the conclusion of the course. Detailed assignment description and grading rubric will be provided.

25% Weekly assignments (Discussion participation on course website)

**Reading discussion post/Lecture discussion post:** Each week students will post at least one Discussion comment on the readings and at least one Discussion comment on the lecture (about a paragraph each). These must be posted by the end of the week (opportunity to post closes on Monday at 10:00am ET). Comments will be graded as unsatisfactory (0/1 point), satisfactory (0.5/1 point), or excellent (1/1 point), and should respond to a critical thinking question posed.

Grade breakdown: Letter grades will be assigned as follows (note: 89.5 will be rounded to 90, 84.5 will be rounded to 85, etc):

94% and above	A
90-93%	A-
87 - 89%	B+
84 - 86%	B
80-83%	B-
77 - 79%	C+
74% - 76	C
70-73%	C-
65% - 69	D+
60% - 64	D
Below 60%	E

## **Required and Suggested Course Materials**

Required: required readings will be assigned for each weekly unit, these will be provided on the course web site each week.

Suggested:

Falk, D.A., C.I. Millar, and M. Olwell (eds). 1996. *Restoring diversity: Strategies for reintroduction of endangered plants*. Island Press, Washington, DC.

Center for Plant Conservation. 1995. *An Action Plan to Conserve the Native Plants of Florida*. Center for Plant Conservation, St. Louis, MO.

Guerrrant, E.O., K. Havens, and M. Maunder (eds). 2004. *Ex situ plant conservation: Supporting species survival in the wild*. Island Press, Washington, DC.

### **Teaching Philosophy**

Our teaching philosophy for this course is to create opportunities for students to experience concepts and practice their thinking within a discipline. Students need rigorous courses with clearly defined expectations and high standards to truly learn and retain concepts. Working towards this goal, to the extent possible, lessons we develop for this course are student-focused rather than teacher-centered.

### **University of Florida Student Honor Code (Rule 6C1-4.017)**

When you enroll at the University of Florida, you pledge to hold yourself and your peers to the standards of high honor required by the student honor code. You are expected to uphold your pledge to honesty and integrity in ORH 6932. Academic misconduct in any form will not be tolerated. University of Florida procedures will be followed to discipline offenders. **There will be no warnings! Sanctions will occur on the first offense.** To read the Student Honor Code, learn about conduct that constitutes academic dishonesty, and sanctions visit: <http://regulations.ufl.edu/chapter4/4017.pdf>.

### **University of Florida Software Use Policy**

“All faculty, staff, and students of the University of Florida are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate.” (University of Florida Council on Information Technologies and Services. 1994. Office of Information Technologies and Services: <http://pirate.ifas.ufl.edu/INDEX.HTML#contact>. access date 18-AUG-06).

### **University of Florida Counseling Services**

Students experiencing crisis or personal problems that interfere with their general well-being are encouraged to utilize the University’s counseling resources. The Counseling Center and Student Mental Health provide confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career and academic goals, which interfere with their academic performance. The Counseling Center is located at 301 Peabody Hall (next to Criser Hall). Student Mental Health is located on the second floor of Student Health Services in the infirmary.

### **Counseling Resources**

**University Counseling Center** – 301 Peabody Hall, 392-1575, personal and career counseling: [www.counsel.ufl.edu](http://www.counsel.ufl.edu)

**Student Mental Health** – Student Health Care Center, 392-1171, personal counseling:  
[www.hsc.ufl.edu/shcc/smhs.htm](http://www.hsc.ufl.edu/shcc/smhs.htm)

**Sexual Assault Recovery Services** – Student Health Care Center, 392-1161, sexual assault counseling

**Career Resources Center** – Reitz Union 392-1601, career development assistance and counseling: <http://www.crc.ufl.edu/>

**Students With Disabilities Act**

The Dean of Students Office coordinates the needed accommodations of students with disabilities. This includes the registration of disabilities, academic accommodation within the classroom, accessing special adaptive computer equipment, providing interpretation services, and mediating faculty/student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

To register contact: Dean of Students Office, 202 Peabody Hall, 392-7066, [www.dso.ufl.edu](http://www.dso.ufl.edu).

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

---

## Course Schedule

Week	Concept
1	Course Introduction; When Is Re-vegetation Required?
2	When Is Re-vegetation Required?
3	Plant Selection
4	<b>Quiz 1: Revegetation and Plant Selection;</b> Peer Teaching Project Topic due
6	Plant Production
7	<b>Summer Break</b>
8	<b>Quiz 2: Plant Production and Peer Teaching Topic Selection due</b>
9	Establishment; Peer Teaching Project due
10	<b>Quiz 3: Establishment Quiz due</b>
11	Threatened and Endangered
12	Peer Teaching Project presentations
13	<b>Final Exam</b>