

COMMON COURSE NUMBER: ORH 1524

COURSE TITLE: Native Wetland Plants

CREDIT HOURS: 2

CONTACT HOURS BREAKDOWN:

Lecture/Discussion 32

Lab 0

Other 0

Contact Hours/Week 4 (8 week course)

CATALOG COURSE DESCRIPTION:

Prerequisite: None

Corequisite: None

This course is a continuation of ORH 1523, Native Upland Plants, and includes the identification of approximately 100 plants and plant groups native or naturalized in the fresh and salt water wetlands of South Florida. The application of these plants as in-situ and mitigation species in ecological, landscape and esthetic situations will also be discussed. Most instruction will be done in the field. Completion of any landscape plant identification class, ORH 1523, ORH 1510, ORH 1511, ORH 2512, or ORH 1101, is strongly recommended.

General Education Requirements - Associate of Arts Degree, meets Area(s):

General Education Requirements - Associate in Science Degree, meets Area(s):

UNIT TITLES:

1. Explanation and Definition of Wetland Delineation
2. Brief review of Taxonomy, Morphology and Trade Vernacular
3. Information and Plant Sources
4. Field Records and Collection Techniques
5. In Field Plant Identification

I. Course Overview:

Upon successful completion of this course, the students should be able to identify common native wetland plants and describe the current and potential use of native wetland plants in the industry.

II. Units:

Unit 1. Explanation and Definition of Wetland Delineation

General Outcome:

- 1.0 The students should be able to produce and discuss the federal, state and local regulations for wetlands determination and delineation.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 1.1 Produce from their files copies of pertinent legislation and regulations pertaining to wetlands.
- 1.2 Refer to and discuss governmental lists of designated wetland plants.
- 1.3 Review a site and discuss their conclusions on the status of the area as a wetland based on the above documents and the plants identified on or from the site.

Unit 2. Brief Review of Taxonomy, Morphology and Trade Vernacular

General Outcome:

2.0 The students should be able to apply the basic vernacular of plant nomenclature, description and availability of the plants discussed.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 2.1 Discuss and describe plants physically using simple botanical vegetative terminology in common usage with wetland plants.
- 2.2 Place plants in their proper taxonomic grouping using common names, Genus/species and Family terminology.
- 2.3 Use standardized trade terms for the purchase and handling of native plants.

Unit 3. Information and Plant Sources

General Outcome:

3.0 The students should be able to list publications and agencies which can provide information on native and invasive exotic plants; and locate nurseries that are sources of native plants and propagules.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 3.1 Name at least three publications that list native plants for sale or distribution.
- 3.2 Contact and discuss available inventory with native plant nurseries.

Unit 4. Field Records and Collection Techniques

General Outcome:

4.0 The students should be able to apply common methods of indexing and documenting plant collections, and use the standardized methods for collection and herbarium preservation of wetland plants.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 4.1 Tag and list plants collected in the field.
- 4.2 Locate specific sites of collection and be able to return to them.
- 4.3 Field-collect plants and be able to herbarium-mount specimens.

Unit 5. In-Field Plant Identification

General Outcome:

5.0 The students should be able to identify the plants required for this course to Family groups, Genus/species and/or trade names. The student should also become aware of books and other identification materials.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

5.1 Identify plants in the field or from collected specimens using the identification aids discussed in class and suggested reference texts.

5.2 Develop a reference book list for further study.