

**CHANGE COURSE (MAJOR) and DISBURSEMENTS**

SMITHSONIAN INSTITUTION

Department of \_\_\_\_\_

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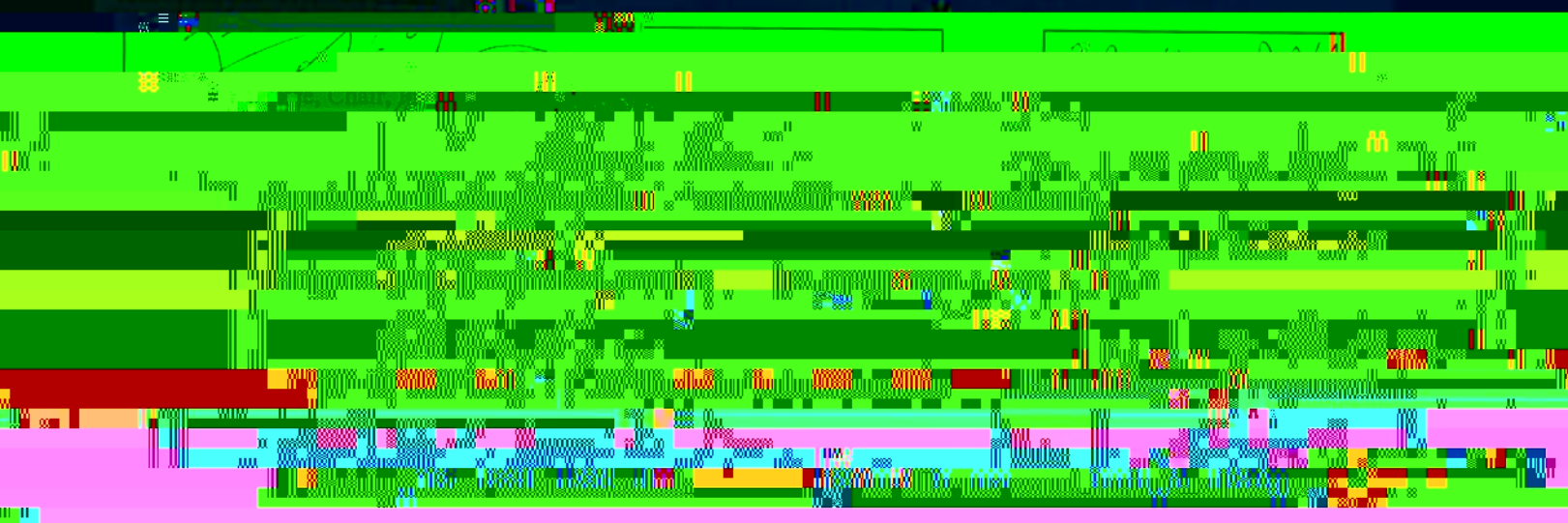
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# Course Syllabus

## 1. Course Information

**Title:** Vegetation Description and Analysis

**Course number:** BIOL 479/679

**Credits:** 3 credit-hours, 2 lecture + 3 laboratory

**Prerequisites:** BIOL 239 Introduction to Plant Biology or BIOL 271 Principles of Ecology or

permission of instructor

location: lectures - Irving I. Field Trips - within 5 miles of campus; indoor laboratories

Irving I, Bunnel 301 and O'Neill.

**Meeting Time:** Fall Semester 2008; Lectures: Monday and Wednesday, 11:45 am -12:45 pm;

Labs: Monday, 2:15 -5:15 pm

**Required supplies:**

10x-power hand lens for field identification of plants

8.5 x 11 inch notebook for field reference collection and methods notes

Clothing adequate for spending several hours outdoors conducting field work (including day pack, rain gear (top & bottom), waterproof boots, coat/windbreaker, hat, gloves)

**4. Course Description**

**Catalog description:** Concepts and methods of vegetation sampling, classification, analysis, and the relationship of species distributions to their environment. The course teaches students a comprehensive set of sampling and analysis methods used in vegetation science, providing them

2) Analyze vegetation data for species composition, diversity. Forest Dept.

4) Describe site environmental characteristics. Forest Dept.

Lecture 4 & Lab 2	11:45 - 12:00 lecture 1-5 pm Field lab 2 <i>Frequency &amp; cover in quadrats</i>	<i>Bring field gear as for Lab 1</i> MD&E Chapter 6, pp. 67-80	Minimal area lab report due
Lecture 5	Point sampling methods, density, frequency, cover, line transects, point quadrats, point frame	Paper #1 K&C Chapter 2	Paper #1 summary due





	<i>Optional class</i>		<b>Paper #11 summary due</b>
	<b>THANKSGIVING BREAK</b>		
Lecture 26	<b>Vegetation mapping</b> Student presentation		

Each student will research and present some example of vegetation sampling and analysis, in a conference-style presentation, for about 15 minutes, with 5 minutes for questions. Topics are to

be chosen from the following list. Undergraduate students are expected to select a relatively narrow

**Contact information:**

**Office:** Arctic Health, Room 254

**Office hours:** Monday, Wednesday 10 am-12 noon or by appointment.

**Phones:** Office - X2460, Home: 451-0800

**Email:** [dawalker@alaska.edu](mailto:dawalker@alaska.edu)

**11. Disabilities Services**

The instructor will work with the Office of Disabilities Services (203 WHIT, 474 7043, to provide reasonable accommodation to students with disabilities. Any student needing special

accommodation should talk with the instructor before the class or lab in question. These discussions will be held confidential.