

ESR 324**Environmental Systems Lab II****Winter 2009**

Where: SB2 149, Portland State University
Lecture: Thurs 1200-1550
Instructor: Dr. Alan Yeakley (725-8040; yeakley@pdx.edu; office: TBA)
TA: Ms. Zoe Rodriguez del Rey (zr@pdx.edu; office: TBA)
Text: Brower *et al.*, 1997, *Field and Laboratory Methods for General Ecology*
Lecture crs: [ESR 321](#) is a required co-requisite.
Handouts: [Lab 1](#), [Lab 2](#), [Lab 3](#) (pdf files will be placed on line)
Style guide: [Lab report style guidelines](#) (pdf file will be placed on line)

Course outline:

<u>Week</u>	<u>Lab</u>	<u>Lab Topic</u>	<u>Location</u>	<u>Due</u>
1	1	Introduction	Lab	
2	2	Tree identification	Field	Fieldbook
3	2	Vegetation field lab	Field	Fieldbook
4	2	Data analysis/review	Lab	
5	3	Vegetation nutrient lab	Field	Lab 2 Report, Fieldbook
6	3	Soil nutrient lab	Field	Fieldbook
7	3	Nutrient analysis	Lab	Fieldbook
8	3	Nutrient analysis	Lab	Fieldbook
9	3	Review	Lab	
10		No lab		Lab 3 Report

Grade distribution: 6 fieldbook assessments (25% total); participation (10%); Lab 2 Report (25%); Lab 3 Report (40%).

Preparations: For field labs, bring appropriate outdoor gear, including hiking shoes/boots and raingear. We will go to the field as long as the university is open, regardless of rain or shine or cold weather.

Fieldbook: Each student will maintain a fieldbook for all lab sessions throughout the course, whether field or laboratory based. Fieldbooks will be evaluated 6 times during the course (see schedule above). Please note that fieldbooks will only be accepted for credit on the day of the lab, at the end of the lab session. Please be sure to turn these in at the end of each lab to obtain credit.

Participation: Grade is based on both attendance and active participation during lab sessions. Missing a lab will only be excused with prior permission.

Late reports: Reports are turned as hard copies (no emails). Penalties for late lab reports will be 3% credit lost per day.