

# NR4 – FOREST BIOLOGY

Course Syllabus for Fall 1999

Lecture : M,W 1300-1350

Lab: M 1400-1650

**Instructor:** Kenneth Nolte

Office FEM10, Phone: (559) 638-3641 Ext. 3499

Office Hours: M,W,F 10:00-11:00 pm, other times by appt.

**Books:** Life on Earth – Audesirk and Audesirk

**Course Objectives:**

To introduce students to the basic concepts and theories of forest biology.

**Tentative Schedule**

	<u>Lecture</u>	<u>Lab</u>
<b>Week 1</b>	Introduction, the Realm of Biology Characteristics of Life, Scientific Method Atoms, Molecules	The Microscope
<b>Week 2</b>	Cell Structure/Function	Cells/Tissues
<b>Week 3</b>	Cell Structure/Function, Cellular Respiration	
<b>Week 4</b>	Cellular Reproduction, Heredity, Genetics	Mitosis, Genetics
<b>Week 5</b>	Cycling of Nutrients in Ecosystems	
<b>Week 6</b>	Cycling of Nutrients, <b>EXAM 1</b>	Flowers, Fruits, And Seeds
<b>Week 7</b>	Forest Soil Interactions	
<b>Week 8</b>	Fungi and Forest Pathogens	Stem/Leaf Structure
<b>Week 9</b>	Origin of Species	
<b>Week 10</b>	Taxonomy, Kingdoms of Living Organisms	Plants of the Sierra

## Tentative Schedule (Continued)

	<u>Lecture</u>	<u>Lab</u>
Week 11	Animal Structure and Function	Plant ID
Week 12	Animal Structure and Function EXAM 2	Plant ID
Week 13	Population Growth and Regulation	Forest Disease
Week 14	Community Interactions	Forest Disease
Week 15	Nutrient Cycling	Makeup Lab
Week 16	Field Trip	No Lab
Week 17	Review	Lab Review

Final Exam 12/17 – Friday at 1300

### Drop date:

The deadline for dropping this course without receiving a grade is October 15<sup>th</sup> at 1700 hours. After this date I must assign a grade and it will most likely be an F.

### Attendance and Grading Policy:

If you miss a lecture, you are responsible for obtaining notes from a classmate. The success of this or of any class depends on the presence and active participation of each student. Therefore, you are expected to attend every class. Your attendance record will be considered when assigning your final grade. Individual exam grades may be curved and final grades will be assigned based on a straight percentage system according to the following scale:

<b>Course Grade</b>	<b>Cumulative Percent</b>
A	90-100
B	80-89
C	70-79
D	60-69
F	50-59

**Breakdown of Grades**

Exams (2 @ 150 pts.)	300
Lab Quizzes	150
Lab Assignments	200
Lab Final	100
Lecture Final	<u>150</u>
<b>Total</b>	<b>900 Points</b>

**Field Trips:**

There may be several required field trips taken during the semester. These trips will generally be taken during scheduled lab times but we may sometimes return to the College after 5:00pm. Scheduled **trips and labs** will happen **rain or shine** so come prepared for the worst possible weather situations.

**Always come prepared to go outside during lab. My definition of "Being Prepared" means to wear hiking boots or work boots, wear long pants, and to bring other items such as water, bug repellent, rain gear (even if there is a slight chance of rain), and plenty of warm cloths.**

***Sequoia Lake Field Trip Dates:******September 16-18******October 28-30***