

NR4 – FOREST BIOLOGY

Course Syllabus for Spring 2000

Lecture : T:1300-1350 and TH:1400-1450

Lab: TH 1500-1750

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: Biology-A guide to the natural world

Course Objectives:

Introduce students to basic concepts and theories of plant and animal biology.

Tentative Schedule

	<u>Lecture</u>	<u>Lab</u>
Week 1	(T) Introduction, the Realm of Biology (TH) Characteristics of Life, Scientific Method	(1) Using the Library
Week 2	(T) Atoms and Bonds (TH) Water and Molecules	(2) The Microscope
Week 3	(T) Cells (TH) Cells	(3) Cells
Week 4	(T) Energy (TH) Photosynthesis	(4) Fruits/Flowers
Week 5	(T) Biotechnology (TH) Biotechnology	(5) Stems/Leaves
Week 6	(T) Review (TH) EXAM 1	No Lab
Week 7	(T) Genetics (TH) Genetics	(6) Genetics
Week 8	(T) Mitosis/Meiosis (TH) Evolution	(7) Using Plant Keys
Week 9	(T) Evolution (TH) Origin of Species and Taxonomy	Practice Keying Plants

Tentative Schedule (Continued)

	<u>Lecture</u>	<u>Lab</u>
Week 10	(T) Kingdoms of Living Organisms (TH) Animal Structure	Lab Quiz
Week 11	(T) Animal Anatomy (TH) Animal Anatomy	(8) Animal Cells
Week 12	(T) Animal Anatomy (TH) Review	<i>Open Lab Time</i>
Week 13	(T) Exam 2 (TH) Forest Soil Interactions	<i>Field Trip</i>
Week 14	(T) Forest Soil Interactions (TH) Forest Diseases	(9) Forest Soils
Week 15	(T) Forest Diseases (TH) Forest Succession	(10) Forest Diseases
Week 16	(T) Community Interactions (TH) Community Interactions	<i>Open Lab Time</i>
Sequoia Lake Field Trip		
Week 17	Review Final Exam 5/16 – Friday at 1300	Lab Review

Drop date:

The deadline for dropping this course without receiving a grade is Friday, March 10th 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:

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

Breakdown of Grades

Exams (2 @ 150 pts.)	300
Quizzes (5 @ 10 pts.)	50
Lab Assignments	500
Final Exam	150
Total	1000 Points

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.