

Summer 2004 - Lecture and Lab Schedule –Subject to Change!

WEEK	Time	Topic	Text Chapters
7/27-7/29			
Tue - Lec	9-10	Course Structure, Introduction to Forest Ecology	1,2
	10-11	Forest Ecosystems and Types in the PNW	3
Thur - Lec	9-10	Population Ecology	14
		Community Ecology	15
Lab	1-5	<u>Forest Composition</u>	
8/3-8/5			
Tue - Lec	9-10	Discussion: Evergreen coniferous forests of the Pacific Northwest - Waring and Franklin 1980	Journal article
	10-11	Productivity	4
Thur - Lec	9-10	Nutrient Cycling	5
	10-11	Ecosystem classification and intro to physical determinants	6, 7
Lab	1-5	<u>Plant Classification: Identifying Plant Associations</u>	
August 10-12			
Tue - Lec	9-10	Physical Determinants in Ecosystems – Cont'd	8-10
	10-11	Physical Determinants and Ecological Gradients	11-13
Thur - Lec	9-10	Succession	17
	10-11	Discussion: Disturbances and structural development of natural forest ecosystems with silvicultural implications, using Douglas-fir forests as an example - Franklin et al. 2002	Journal article
Lab	1-5	<u>Forest Succession - Forest Structure and Composition through Time</u>	
August 17-19			
Tue - Lec	9-10	“Natural” forest and forest health	18
	10-11	Discussion: The fallacy of passive management for firesafe forest reserves - Agee 2002	Journal article
Thur - Friday		Overnight Lab to H.J. Andrews Long Term Ecological Research Forest, Sisters Ranger District, and Wind River Experimental Forest – all day Thursday and Friday	
August 24-26			
Tue	9-10	Ecosystem Management	19
	10-11	Wrap up	
Tuesday LAB	1-5	Soils	
Thur – Lec	9-11	Review session – Final Exam	
Thur - PM	1-3	<u>FINAL EXAM</u>	
August 31-Sept 2			
		Evaluation Week	

Tentative Lab Schedule -

Lab Times: All labs are on Thursdays from 1:00 – 5:00 pm and will meet in Slab I 3041, unless otherwise announced. Transportation in motor pool vans will be provided for all off campus labs.

July 29: Forest Composition

Purpose: To begin to systematically examine forest sites. We will observe biotic (the living components of the environment) features of riparian and upland forest types, comparing species composition, diversity, and distribution. (Outdoor Lab - * **Meet at the trail entrance in Parking Lot F***)

August 5: Plant Classification: Identifying Plant Associations

Purpose: To examine a plant association guide that is representative of classification systems used by resource managers. To understand strengths and weaknesses of classification guides and when and how to use them. (Outdoor Lab - Capitol Forest)

August 12: Forest Succession - Forest Structure and Composition through Time.

Purpose: To examine changes in community structure and composition over time so you will be better prepared to evaluate and project the past, present, and future development of an ecosystem. (Outdoor Lab – Capitol Forest)

*Tentatively: August 19-20: Overnight Lab to H.J. Andrews Long-Term Ecological Research Forest, Sisters Ranger District, and Wind River Experimental Forest

Purpose: In the Pacific Northwest, much of our new information about forest ecosystems and forest practices comes from research activities at these sites. During this overnight field trip we'll examine studies that have shaped many of our current concepts of old-growth forests and long term-productivity.

August 24: Soils **** NOTE the switch to the Tuesday of this week ****

Purpose: To become familiar with abiotic and biotic characteristics of soils and to understand the incredible influence soils have on forest plant growth and development. (Outdoor Lab - TESC)