

COURSE DESCRIPTION

Course Title: Regional Silviculture -- FOR 4165/6934 (2 cr.)

Prerequisites: FOR 3162 or consent of instructor

Course is designed for: Seniors, Graduate Students

Instructor: Dr. Eric J. Jokela, Professor
353 Newins-Ziegler Hall
846-0890
email: ejokela@ufl.edu

Class Periods: TBA

Text: No formal text book. Assigned readings will be used.

Supplemental Sources of Information:

Silvics of North America. Volume 1. Conifers, Volume 2.

Hardwoods. 1990 (R.M. Burns and B. H. Honkala, Tech. Coord.)

U.S.D.A. - Forest Service, Agric. Hdbk. 654 **AVAILABLE ON WEB** at the following
url: http://www.na.fs.fed.us/spfo/pubs/silvics_manual/table_of_contents.htm

FOR3162C – Course Web site (important links, background information accessed via Sakai)

Purpose and Objectives:

1. To promote an understanding of the significant biological, physical and economic qualities of the forest regions of temperate North America.
2. To promote an understanding of stand development, dynamics and silvicultural systems appropriate for the major forest types of North America.

Methods of Instruction:

1. Lectures: 2 hours per week, slides, discussion
2. Assigned readings

Evaluation:

1. Examinations and quizzes covering lectures and assigned readings
Mid-term (Lake States and Northeast) 30%, DATE: TBD
Regional dendrology/geography/silviculture quizzes (35%), DATE: TBD
2. Independent research on a western forest type (25%)
3. Discussion and class participation 10%

ACADEMIC HONESTY

As a result of completing the registration form at the University of Florida, every student signed the following statement: "I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University." Examples of academic dishonesty would include, but not be limited to taking of information, tendering of information, plagiarism, conspiracy and bribery.

Software Use

All faculty, staff and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate.

UF Counseling Services

Resources are available on-campus for students having personal problems or lacking clear career and academic goals which interfere with their academic performance. These resources include:

1. University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling;
2. Student Mental Health, Student Health Care Center, 392-1171, personal counseling;
3. Sexual Assault Recovery Services (SARS), Student Health Care Center, 392-1161, sexual counseling;
4. Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

LECTURE OUTLINE

1. **Climax Forest Formations of North America** – 3 lectures
Boreal Forests
2. **North Central Forest Types** (Lakes States, Canada) - 5 lectures (Red pine, jack pine, black spruce, trembling aspen, northern hardwoods)
3. **Northeastern Forest Types** (New England, Canada) - 3 lectures (Northern hardwoods, Allegheny hardwoods, spruce-fir, white pine)
4. **Central Hardwoods and Appalachian Forest Types** (Eastern U.S.) - 3 lectures (Oak, oak-hickory, yellow poplar, mixed mesophytic forests)
5. **Southern Coastal Plain, Piedmont, and Bottomland Forest Types** - 3 lectures (Cottonwood, bottomland hardwoods)
6. **Rocky Mountain Forest Types** (Colorado, Montana, Idaho, Utah, Wyoming) - 5 lectures (Ponderosa pine, western larch, Lodgepole pine, Engelmann spruce-subalpine fir, Rocky Mountain Douglas-fir)
7. **Pacific Northwest Forest Types** (Washington, Oregon, Alaska, British Columbia) - 5 lectures (Douglas-fir, western hemlock, Interior Alaska species (white spruce, black spruce, Sitka spruce))
8. **Pacific Southwest Forest Types** (California) - 3 lectures (Redwood/Sequoia, mixed conifers (Jeffrey pine, white fir, red fir))