

FORESTRY 209
BASIC TREE WORKER SKILLS
FALL 2009
2 SH

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Prerequisite: None

Text(s): **THE TREE CLIMBERS' GUIDE, 3rd Edition**, by Sharon Lilly (**required**);
(Optional) THE TREE CLIMBER'S COMPANION by Jeff Jepson; AMERICAN NATIONAL
STANDARD FOR TREE CARE OPERATIONS - ANSI Z133.1; TREE, SHRUB, AND OTHER
WOODY PLANT MAINTENANCE - STANDARD PRACTICES - ANSI A300

Objective: Students will have the opportunity to obtain practical experience in tree climbing techniques and in the safe use and care of the various tools and machines used in arboriculture.

Lecture: M 3:00; **Lab:** W 3-4:50

Lecture Topics:

CH. 1 Introduction, Health Sciences, CODIT
CH. 2 Safety
CH. 3 Ropes & Knots
CH. 4 Climbing
MIDTERM EXAM
CH. 5 Pruning
CH. 6 Rigging
CH. 7 Removal
CH. 8 Cabling

Lab Topics:

Equipment Inspection and Use, Knots
Tree Climbing
Chainsaw Selection and Maintenance
Chainsaw Training
Tree Removal

REQUIRED KNOTS

Test during lab period about midterm

Double Fisherman Knot
Prusik Knot & Modified Prusik
Figure 8
Clove Hitch (2 ways)
Sheet Bend
Tautline
Blake's Hitch
Bowline
Running Bowline
2 Half Hitches (2 ways)
Cow Hitch
Timber Hitch

GRADE DETERMINATION:

Exams (True/False, Fill in Blank, Multiple Guess):

Midterm (~early Oct)	(100 pts)	20%	90-100	A
Final (16 Dec @ 3PM)	(100 pts)	20%	80-89	B
Lab exam (~early Oct)	(100 pts)	20%	70-79	C
Participation	(100 pts)	20%	60-69	D
Required Field Trip	(100 pts)	20%	<60	F
Professional Conduct [25 pts]				

Practice Rope: You will be given a small practice rope to use for tying knots. It is to be returned at the end of the semester. **If not returned, it will cost you 50 points.**

Required Field Trips: There are two required field trips. Norm Hall, Autumn Tree Care, will be coming to Macomb on Friday and Saturday on 11-12 Sept (9-10 Oct is rain date).

Cormac Nagan, Aerial Innovations Tree Care, will be coming to Macomb on Friday 25 Sept.

Class attendance and participation for each day is worth 50 points for a total of 150 points plus 50 pts [25 pts/field trip] is for Professional Conduct). These field trips cannot be made up.

Class attendance and participation for each day of the required field trip is worth 50 points for a total of 100 points (25 pts is for Professional Conduct). This field trip cannot be made up.

Professional Conduct: (25 pts) On this field trip you are representing Western Illinois University, the College of Business and Technology, the Agriculture Department, its Urban Forestry program (me), and yourself (your family's name). The field trip is an extension of the classroom and you are there to learn. To maximize your learning you need to be in full control of your mental and physical capacities. Our invited speakers are taking their valuable time to share their knowledge and experiences with us and are expecting you to act and dress in a professional manner. You are expected to be attentive and ask questions.

Lab Exercises: ~early Oct you will be given a lab exam which will involve tying knots. You will also be graded on a daily basis in lab for demonstration of proper climbing techniques and proper use of arborist equipment. Climbing a tree is not a course requirement. However, every student will be expected to learn knots, proper climbing techniques, and the safe use of various arborist equipment. Students are cautioned not to miss a lab unless absolutely necessary as most cannot be made up. **The knot test is worth 100 points.**

Participation: Participation means taking part in classroom activities, including classroom discussion. It also means attending class. If you are not in class, you cannot participate. In a real world job you get paid for being there. Your payment in this class will be points. **(See H1N1 Virus at end)**

Points for participation: Each lecture and each lab period is worth 3.6 points for a total of 100 points. If you are participating in some other class trip or interviewing for a job, it will be counted as an excused absence. **(See H1N1 Virus at end)**

!!!!SAFETY!!!!

SAFETY IS THE MOST IMPORTANT PART OF THIS CLASS. Safety will be stressed and practiced on a daily basis. Aerial tree work is considered to be one of the most injury-prone professions in the U.S. Because of the hazardous nature of this type of work, students must be in good physical condition and have the maturity to obey rules. **Any student who fails to follow safe practices (as identified in the American National Standards Institute ANSI A300 and ANSI Z133.1) during a lab assignment, and continues to work in an unsafe manner after a SINGLE verbal warning from the instructor, will be immediately expelled from the course and given a failing grade. There are no exceptions to this rule. Do not take this course if you are not willing to observe the above rule.**

WIU ABSENCE POLICY: See <http://www.wiu.edu/policies/>

Attendance on dates of tests: Students who are not present at the time of an announced exam are not entitled to take the exam. If you have some conflict with the date and time of a scheduled exam, you must notify the instructor **before** the exam.

If a student is going to miss a class, it is his/her responsibility to discuss the situation with the appropriate faculty member in advance and in accordance with that faculty member's guidelines for class attendance. If documentation of the reason or reasons for absence is desired by the faculty member, the student should be informed by the faculty member what would suffice for that purpose, e.g. medical documentation, proof of court appearance, etc.

If a student needs medical documentation, (s)he should contact the proper medical source directly for whatever material is needed. Neither the Office of Student Personnel Services nor the Beu Health Clinic issue excuses for not attending class, but a student may obtain a form indicating the date and time of a completed medical appointment of the Health Center should a faculty member, for example, desire or require such evidence. If a student makes a decision not to attend a class because of a non-emergency illness or injury, e.g. sore throat, cold, sprained ankle, flu, etc., it is the responsibility of the student to discuss the absence with the faculty member should the student desire to make up any academic work missed because of the absence. Depending upon the faculty member's class attendance policy, the reasons for the absences and the student's prior record of class attendance, the faculty member may or may not grant the request to make up work that has been missed. It is emphasized that it is the individual faculty member's decision whether or not to grant the request.

The Office of Student Personnel Services will serve as a contact resource for a student in extreme / emergency cases when the student is unable to make contact with a faculty member.

WIU ASSIGNMENT AND CHEATING POLICY:

See <http://www.wiu.edu/policies/acintegrity.php>

Assignments are due on the day specified. Assignments turned in after the due date will be "docked" 10% per day. Use of unauthorized notes or aids during quizzes and tests as well as other acts of "cheating" may result in course failure.

I encourage you to obtain help if you do not understand how to do an assignment. I am available at most any time to assist you. Please see my office door for scheduling appointments. If this is not convenient, you may get someone else from the class to explain or demonstrate the task at hand. I do, however, strongly suggest that you do your own work. That is, you must physically work through the problem(s) so that you can demonstrate, when required, that you have the required competency(ies).

We often will be working in a group with your peers. It is imperative for you to each contribute equal effort.

CLASS TOBACCO PRODUCT POLICY:

See <http://www.wiu.edu/provost/students/>

In accordance with State law, there is no smoking in class or vehicles during field trips.

Chewing tobacco (and spitting chewing tobacco) in class is not permitted. Field trip participation is considered as class – NO SMOKING or use of tobacco products is permitted.

CELL PHONE POLICY: Cell phones use in class is not permitted. **In order to participate in the WIU Emergency Alert System you should have your cell phones set to vibrate.**

<http://www.wiu.edu/alertsystem/>

AMERICANS WITH DISABILITIES ACT (ADA)

In accordance with University policy and the American with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she is not legally permitted to inquire about such particular needs of students. Students who may require special assistance in emergency evacuations (i.e. fire, tornado, inc.) should contact the instructor as to the most appropriate procedures to follow n such an emergency. Contact Disability Support Services at 298-2512 for additional services. <http://www.wiu.edu/a-action/>

Official University Policy Manual: <http://www.wiu.edu/policies/>

For information on all WIU policies for students contact the above website

H1N1 VIRUS: http://www.wiu.edu/newsrelease.sphp?release_id=7448

If you have flu symptoms, STAY HOME! You will not lose your participation points if you are sick and stay home. You are given one week (1 lecture & 1 lab) sick leave without penalty.