Instructor and Course Information
Instructor: Ed Burke
Office: Stone Hall (Old Journalism), 105
Phone: 406-243-5157
Email: ed.burke@cfc.umt.edu
Course Schedule: Lecture: Wednesday 11:10-13:00, Stone Hall (Old Journalism), Room 112 (Plant Lab)
Texts: Forestry 240 Tree Biology Course Pack;

Course Schedule
Week 1: Introduction; Overview of Tree Biology and plant cell wall structure.

Week 2: Plant cell wall structure (cont.);

Week 3: Apical meristems, mitosis and primary stem growth; Friday is last day for unrestricted drops using Cyberbear

Week 4: Development of the woody aerial stem, tissue differentiation, twig morphology; hormonal control of growth

Week 5: Examination over cell walls, apical meristems, primary growth, developing aerial stems and twigs, hormonal control of growth

Week 6: Leaf structure and photosynthesis

Week 7: Leaf structure and photosynthesis (cont.)

Week 8: Gymnosperm sexual reproduction, male and female strobili; Angiosperm sexual reproduction, flowers and fruit.

Week 9: Examination over Leaves, Gymnosperm and Angiosperm sexual reproduction; Friday is last drop day.

Week 10: Spring Break, No Classes

Week 11: Root development, anatomy/morphology and function

Week 12: Vascular cambium ontogeny, function and periodicity

Week 13: Secondary vascular tissue and rhytidome development

Week 14: Secondary xylem and phloem morphology

Week 15: Secondary xylem gross and microscopic structure; plant identification using secondary xylem

Week 16: FINALS WEEK- Examination covering roots, rhytidome, secondary phloem and xylem
This class shall, hopefully, be an enjoyable challenge because of the attitude with which it will be taught. I love teaching people about trees. “Real-world” experience is the foundation of the information and techniques you will be presented with, and you should use and learn from it. The goal is to present the fundamental structure and function of the different systems of the tree, coupled with experience in working with these systems in a variety of settings, to provide the foundation for decision making in forest management settings. It is my complete intent to make the challenge of this course purposeful for you this semester and in the years ahead. I look forward to this semester with you!

**Course grading**

Please note, this class is offered for traditional letter grade only, it is not offered under the credit/no credit option.

<table>
<thead>
<tr>
<th>Number of Lectures Exams</th>
<th>Number of Points</th>
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<tbody>
<tr>
<td>Two 1-hour lecture exams @ 150 pts.</td>
<td>300</td>
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<tr>
<td>One Final Lecture Exam @ 150 pts.</td>
<td>150</td>
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<td><strong>Total Points for the Course</strong></td>
<td><strong>450</strong></td>
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Approximate grading scale will be:

- **A** = 90.0-100%; **B** = 80.0-89.9%; **C** = 70.0-79.9%; **D** = 60.0-69.9%; **F** < 60.0%

**Important Dates Restricting Opportunities to Drop a Course Spring 2016:**

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<tr>
<th>Dates</th>
<th>Description</th>
<th>Date Range</th>
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<tr>
<td>To 15&quot; instructional day</td>
<td>Students can drop classes on Cyberbear with refund</td>
<td>13 February is the last day for unrestricted drops</td>
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<tr>
<td>16&quot; to 45&quot; instructional day</td>
<td>A Drop requires form with instructor and advisor signature, a $10 fee from registrar’s office; student will receive a ‘W’ on transcript, no refund.</td>
<td>February 14 through 27 March</td>
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<td>Beginning 46&quot; instructional day</td>
<td>Students are only allowed to drop a class under very limited and unusual circumstances. Not doing well in the class, deciding you are concerned about how the class grade might affect your GPA, deciding you did not want to take the class after all, and similar reasons are not among those limited and unusual circumstances. If you want to drop the class for these sorts of reasons, make sure you do so by the end of the 45&quot; instructional day of the semester. Requests to drop must be signed by the instructor, advisor, and Associate Dean and a $10 fee applies.</td>
<td>March 29 through May 6</td>
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**Class Attendance Policy**

- Students who are registered for a course but do not attend the first two class meetings may be required to drop this course. This rule allows for early identification of class vacancies to permit other students to add classes. Students not allowed to remain must complete a drop form or drop the course on the Internet: [CyberBear](#).
• Students are expected to attend all class meetings and complete all assignments for this course. Student may be excused for brief and occasional absences for reasons of illness, injury, family emergency, religious observance or participation in a University sponsored activity. (University sponsored activities include for example, field trips, ASUM service, music or drama performances, and intercollegiate athletics.) Students shall be excused for military service or mandatory public service.

• Students incurring an excused absence will be allowed to make up missed work when done in a manner consistent with the educational goals of this course.

• Students expecting to incur excused absences should consult with the instructor early in the term to be sure that they understand the absence policies for this course.

Student Conduct Code
• All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code.