FOR441 Timber Stand Management

Fall 2007

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Office Hours: TR 11:00-12:30 and by appointment

Teaching Assistant: Andy Efta
Office:
Phone:
Email:
Office Hours:

Class Times: One 1-hour lecture (FOR 206): M 12:10 - 1:00
Lab (FOR 206 or Field): W 12:10 – 6:00


1. Course Description:
“Management of forest stands for timber production, including review of factors influencing physical and value growth; use of growth and yield projections; economic evaluation of alternative stand management strategies; classical forest regulation; fundamentals of timber harvest scheduling; stumpage appraisal and timber sales.”
These goals will be met through a hands-on, semester-long, group-based project on the Bandy Ranch.

2. Course Learning Objectives:
• Design and conduct a forest inventory.
• Set management goals for a forest stand.
• Design silvicultural and harvesting systems to meet various management goals.
• Present a timber sale bid package in writing and verbally to clients and bidders.
• Hone written and verbal communication skills.
• Solidify your own professional and land ethic.

Upper Division Writing
This course is one of three courses needed to satisfy the upper division writing requirement for CFC majors. Each student is required to achieve satisfactory scores on a sophomore-level writing course (FOR 220/WBIO 245 or equivalent). The successful completion of one of these courses plus the writing proficiency exam will be prerequisites for completion of the upper division distributed writing requirement.

Assessment of student writing will be on the basis of the following criteria:
• A clear statement of purpose (hypothesis or question or goal) within the scientific context of the specific discipline.
• The development of effective logical arguments using evidence and/or theory from the discipline or supporting disciplines.
• Writing meets discipline-specific writing conventions including the proper citation of sources of information.
• Demonstrate appropriate English language usage.
3. Course Policies:
- All assignments are due at the BEGINNING of class or lab. Late assignments will not be accepted.
- All work must be neat, legible and complete.
- While you are allowed to work with fellow students on individual assignments, all submitted assignments must represent your own individual work.
- 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. The Code is available for review online at http://www.umt.edu/SA/vpsa/index.cfm/page/2585.

4. Grading:
Grades will be based on both individual and group work assigned during the term. All work may be edited and resubmitted. The standard grading scale will be used. All efforts will be made to return graded work within one week of when it is turned in. Each student will choose a four-digit pin number. This pin number will be used to post grades. Posted grades will be updated continuously.

| Individual writing assignments (4): | 25% |
| Group writing assignments: | 65% |
| Final oral field presentations: | 10% |
| Total: | 100% |

5. Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Due</th>
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<tbody>
<tr>
<td>24-Sep</td>
<td>Cruise report</td>
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<tr>
<td>1-Oct</td>
<td>Specific management goals - brief memo via email</td>
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<tr>
<td>8-Oct</td>
<td>Silvicultural prescription (including referenced justification)</td>
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<tr>
<td>10-Oct</td>
<td>Chris Keys - writing marking guides</td>
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<tr>
<td>15-Oct</td>
<td>Marking guide</td>
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<tr>
<td>22-Oct</td>
<td>Harvest plan, map, budget, MEPA checklist</td>
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<tr>
<td>24-Oct</td>
<td>Landowner packet</td>
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<td>7-Nov</td>
<td>Landowner walkthrough</td>
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<tr>
<td>14-Nov</td>
<td>Bid packet</td>
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<tr>
<td>28-Nov</td>
<td>Pre-bid walkthrough</td>
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<tr>
<td>10-Dec</td>
<td>Final landowner and bid packets due</td>
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