Course Details
Instructor: Dr. Jeremy Stovall
Email: stovalljp@sfasu.edu

Generally I maintain an open door policy, and keep a schedule posted by my door. My desk is in the back room, so come on in if the door is open. Please feel free to stop by my office whenever. If you are coming to campus specifically to see me it would be best to make an appointment by email. I check email frequently and reply as soon as possible, within 24 hours M - F at most.

Class: 10:00 – 11:50 am Friday, Forestry 222
Lab: Field trips are required with schedules announced in advance.

Course Description
FOR 428/527/627. Intensive Silviculture - 3 semester hours, 2 hours lecture and 3 hours lab per week.
Study of tree improvement in silviculture context. Fundamental concepts of tree breeding, vegetation management and forest fertilization. Prerequisite: Forestry Field Station. Course fee required. Spring odd years.

Program Learning Outcomes
The course is designed to address the following Program Learning Outcomes, as given in the BSF Program Matrix:

1. Demonstrate understanding and competency of forest ecology and biology;
2. Demonstrate understanding and competency in the measurement of forest resources;
3. Demonstrate understanding and competency in managing forest resources;
4. Demonstrate understanding and competency of forest resource policy, economics, and administration.
5. Demonstrate understanding and competency in oral and written communication skills.

*Items #1 - #4 above are required by the Society of American Foresters, the program’s accrediting agency.
*This is not a General Education Core Course

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<tbody>
<tr>
<td>FOR 428</td>
<td>A</td>
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A – Advanced – FOR 428 supports Program Learning Outcome by providing students with transitional, high level topic-specific information, activities, and opportunities that enable the students to apply their critical thinking and tactical skills to resolved increasingly challenging strategic situations.

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Student Learning Outcomes
Upon the completion of this course, successful students will be able to:
1. Explain the ecological underpinnings and technical considerations for forest tree improvement, forest vegetation management, and forest nutrition that are the cornerstones of modern intensive silvicultural systems (PLO 1, 2, 3, 4).
2. Communicate technical material clearly to a variety of audiences by multiple means of written and spoken communication (PLO 5).
3. Create solutions to real-world forest management challenges by applying higher-order thinking skills to their knowledge of silviculture (PLO 1,2,3,4,5).

Text and Materials
There are no required or recommended materials for this course. Students should refer to their notes and text from FOR 347, as some handouts and lectures from that course will be useful in FOR 428. New handouts and readings will be provided throughout the semester.

Course Website
Some materials will be posted on the silviculture course website, which can be found at: http://forestry.sfasu.edu/faculty/stovall/silviculture. Notice will be given if materials are posted.

Course Requirements
Weekly Quizzes: Quizzes will typically be given at the beginning (10:00 am) of regularly scheduled lecture times. Expect a quiz every week, although some weeks may not include a quiz. Quizzes will be closed book and note, timed, and an individual effort. Following the quiz, we will go over any questions you might have. Quizzes will be graded and returned to you by the next class session.

Weekly Reflective Summaries: A one-page summary is required for selected course readings. A format guide and grade rubric will be provided. Each summary will be weighted equally for this portion of your grade. Summaries for the week are due by Thursday morning at 9:15 am (unless otherwise noted in class), and must be submitted by email (send to stovalljp@sfasu.edu) as a Microsoft word document (*.docx preferred, *.doc acceptable). Label your file: “yourlastname_yourfirstname_week#.docx”.

Presentation: This will be an 8 minute presentation on a one of the aspects of intensive silviculture as applied to a species not commonly managed in the US South. Topics and presentation dates will be discussed on the first day of class. A rubric will be provided.

Graduate Requirements: Students enrolled in FOR 527 or FOR 627 will be required to complete additional paper assignments following a discussion with the instructor to tailor said assignments to the student’s research interests.

Grading Policy
Grades may be made available on the course website throughout the semester. Final grades or individual assignments MAY be curved if deemed appropriate by the instructor. Applying a curve will NOT result in the lowering of any student’s grade. Limited bonus opportunities may be offered to the entire class. A grade of 0 will be given to all involved parties on any assignment or exam on which cheating occurs. A second instance of any type of involvement in cheating by any individual will result in an F in the course.

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<thead>
<tr>
<th>Item</th>
<th>Percentage</th>
<th>Percent Grade</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>Weekly Quizzes</td>
<td>45%</td>
<td>&gt;89.44%</td>
<td>A</td>
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<tr>
<td>Reflective Summaries</td>
<td>25%</td>
<td>79.45 – 89.44%</td>
<td>B</td>
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<tr>
<td>Presentation</td>
<td>15%</td>
<td>69.45 – 79.44%</td>
<td>C</td>
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<tr>
<td>Participation (Lab + Lect)</td>
<td>15%</td>
<td>59.45 – 69.44%</td>
<td>D</td>
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<tr>
<td><strong>COURSE GRADE</strong></td>
<td><strong>100%</strong></td>
<td>&lt;59.45%</td>
<td>F</td>
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### TENTATIVE SCHEDULE

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<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>LECTURE</th>
<th>READING ASSIGNMENT</th>
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<tbody>
<tr>
<td>1</td>
<td>25-Jan</td>
<td>Intro to Intensive Silviculture &amp; Forest Vegetation Management (FVM) Intro</td>
<td>Zimdahl 351-374 Minogue et al., 1991</td>
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<td>2</td>
<td>1-Feb</td>
<td>FVM: Application Considerations &amp; Prescriptions</td>
<td>Tappeiner &amp; Wagner, 1987</td>
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<tr>
<td>3</td>
<td>8-Feb</td>
<td><strong>FIELD TRIP: FOREST PEST SEMINAR</strong>, Lufkin TX, 7:20am – 2:45pm.</td>
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<td>4</td>
<td>11-Feb</td>
<td><strong>FIELD TRIP: ARBOREGEN NURSERY</strong>, Bullard TX, noon – 5pm.</td>
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<td></td>
<td>15-Feb</td>
<td>FVM: Regulations, Pesticide Labels, &amp; Environmental Impacts</td>
<td>CNN Article &amp; Forestry Arsenal Label Shepard et al., 2004 Tatum, 2004</td>
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<tr>
<td>5</td>
<td>22-Feb</td>
<td>FVM: Productivity Gains &amp; Alternative Treatments (ACRT Services Presentation)</td>
<td>Walstead et al., 1987 Wagner et al., 2006</td>
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<td>6</td>
<td>1-Mar</td>
<td>Forest Tree Improvement (FTI) Intro</td>
<td>Zobel &amp; Talbert, 1-38</td>
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<td>7</td>
<td>8-Mar</td>
<td>FTI: Genetics, Gain, Selection, Testing, &amp; Breeding</td>
<td>White et al., 303-328 White (1987)</td>
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<td>9</td>
<td>22-Mar</td>
<td><strong>NO CLASS: SPRING BREAK, CONCLAVE</strong></td>
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<td>10</td>
<td>29-Mar</td>
<td>FTI: Clonal Forestry &amp; Biotech</td>
<td>Bettinger et al., 2009 Whetten &amp; Kellison, 2010</td>
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<tr>
<td>11</td>
<td>5-Apr</td>
<td>Forest Nutrition (FN) Intro &amp; Environmental Fate of Fertilizers</td>
<td>Albaugh et al. 2007 Fox 2000</td>
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<td>12</td>
<td>12-Apr</td>
<td>FN: Fertilizer History &amp; Nutrient Cycling</td>
<td>Binkley, 1 - 73</td>
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<td>13</td>
<td>19-Apr</td>
<td><strong>NO CLASS: EASTER BREAK</strong></td>
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<td>15</td>
<td>3-May</td>
<td><strong>FIELD TRIP: WEYERHAEUSER FIELD TOUR</strong>, Oklahoma, 5:00am – 6:00pm</td>
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<td>16</td>
<td>10-May</td>
<td>FN: Fertilizer Rates</td>
<td>NONE</td>
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<td>17</td>
<td>17-May</td>
<td>Presentations 1 – 3pm</td>
<td>NONE</td>
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Attendance Policy
Attendance is important to successfully achieve the student learning outcomes described above. Attendance will be taken within the first 5 minutes of all classroom and lab sessions. An unexcused lab absence will result in a grade of zero for any assignments missed. Please make every effort to attend all labs. It is university policy to excuse students from attendance for certain reasons. Among these are absences related to health, family emergencies and student participation in university-sponsored events. Students are responsible for providing documentation satisfactory to the instructor for each class missed prior to the absence. Class session attendance is mandatory, and unexcused absences may result in lowered grades on individual assignments.

Student Academic Dishonesty Policy (4.1)
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism. Definition of Academic Dishonesty: Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit. Please read the complete policy at http://www.sfasu.edu/policies/4.1-student-academic-dishonesty.pdf

Course Grades Policy (5.5)
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. Please read the complete policy at http://www.sfasu.edu/policies/5.5_course_grades.pdf

Academic Accommodation for Students with Disabilities Policy (6.1)
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/

Responsible Use of Technology
It is expected that all students will only use cell phones, PDAs, laptop computers, MP3 players and other technology outside of class time or when appropriate in class. Answering a cell phone, texting, listening to music or using a laptop computer for matters unrelated to the course may be grounds for dismissal from class or other penalties.

Acceptable Student Behavior
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy 10.4). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed. Please read the complete policy at http://www.sfasu.edu/policies/student-code-of-conduct-10.4.pdf

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