

**Forest Entomology
Forestry 312**

Fall 2007

Instructor: Dr. Bill Ross
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Office Hours: MW: 9:30 – 11:30am; MTW: 1:30-3:30 pm. Please feel free to make an appointment if these hours are not suitable.

Course Goals: Students will become familiar with insects that are important in forest management and forest products. Students also will gain an appreciation of insects as ecologically important components of plant and animal communities.

Resources:

- Insects and Diseases of Trees in the South, USDA Forest Service Southern Region Protection Report R8-PR 16. October 1999 revision.
- Oak Pests, A Guide to Major Insects, Diseases, Air Pollution and Chemical Injury, USDA Forest Service Southern Region Protection Report R8-PR7. October 1999 revision.
- Insect Morphology and Anatomy, www.earthlife.net/insects/anatomy.html#Pete
- Introduction to Insecticides, [Http://ipmworld.umn.edu/chapters/ware.htm](http://ipmworld.umn.edu/chapters/ware.htm)
- Forest Pests of North America, www.forestpests.org
- Class handouts

Grading: Exam 1: 100 points
Exam 2 (comprehensive): 125 points
Short Quizzes: 100 points

Total available points: 325

Grading scale	% total points earned	grade
	90+	A
	80 - 89	B
	70 – 79	C
	60 – 69	D
	< 60	F

Exam dates: Exam 1: October 10, Exam 2: November 12.

Exam and quiz policies:

Missed exams or quizzes should be made up within two class days unless a compelling reason exists for making an exception. Late quizzes or exams are subject to presentation in an alternate format with different questions from those given in class and a 10% late penalty. Make ups will not be given after two weeks, resulting in a grade of zero for the missed item.

Exceptions to the above exam, quiz and assignment policies will be made under reasonable circumstances such as documented illness, family emergency or official University excused absence.

It is the student's responsibility to contact me (preferably in advance) to make arrangements in all cases described above

Attendance: Regular class attendance is required to get the most out of the course. Class attendance records will be kept. Students are responsible for everything announced, discussed, demonstrated or assigned whether or not they are present.

Disability Accommodation: Students needing testing or classroom accommodations based on a disability are encouraged to discuss those needs with me as soon as possible. Please visit the Office of Disability Services for more information, or visit the web page www.latech.edu/ods .

Academic Integrity: In accordance with the Academic Honor Code (www.latech.edu/tech/students/honor-code.pdf), students pledge the following: "Being a student of higher standards, I pledge to embody the principles of academic integrity."

Other Policies: All university policies and regulations apply. During lecture, all noisemaking devices, such as cell phones, must be turned off.

**General Course Outline
For 312**

- I. Insect Biology
 - a. Anatomy
 - b. Physiology
- II. Taxonomy
- III. Insect Population Ecology
- IV. Insect Damage Types
- V. Important Insects from a Forest Management Perspective
 - a. Southern region
 - b. Other North American forests
 - c. Introduced
- VI. Important Insects in Forest Products and Structures
- VII. Forest Health and Integrated Pest Management