

Abraham Baldwin Agricultural College

Tifton, Georgia

AGRP 1125: FUNDAMENTALS OF PLANT PROTECTION (3 credit hours)

Three sections of this course are offered. The first two have the same lecture time. All lab times are different.

PLEASE ATTEND THE LAB TIME FOR WHICH YOU ARE REGISTERED.

Due to small lab room size there are **NO** spare seats for students who wish to attend a different lab section!

Lecture: 11:00 to 11:50 Mon. and Fri. -- Lab: 1:00 to 2:50 Thurs. (CRN 30140)

Lecture: 11:00 to 11:50 Mon. and Fri. -- Lab: 3:00 to 4:50 Thurs. (CRN 30139)

Lecture: 11:00 to 11:50 Tues. and Thurs. -- Lab: 1:00 to 2:50 Tues. (CRN 30759)

Monday/Friday Sections: Lectures in 109 in Environmental Horticulture Building

Tuesday/Thursday sections: Lectures in 128 in Environmental Horticulture Building

All Labs in Room 128 in Environmental Horticulture Building

INSTRUCTOR:

Alan Murphy, School of Agriculture and Natural Resources

OFFICE: 102 Environmental Horticulture Technology Building

OFFICE HOURS: (Spring Semester, 2012)

Mon: 9:00am – 9:50am; 3:00pm – 5:30pm

Wed.: 9:00am – 9:50am; 11:00 – 11:50am

Thurs.: 3:00pm – 5:30pm

Fri: 9:00am – 10:50am; 1:00pm – 3:00pm (afternoon by appointment only)

Other times by appointment.

My class schedule and office hours will be posted by my office door, in the classroom and on my Web site.

PHONE: 229-391-4806 E-MAIL: amurphy@abac.edu

WEBSITE: <http://www.abac.edu/amurphy/>

TEXTBOOKS:

Bohmont, B. L. 2006. *The Standard Pesticide User's Guide*. 7th Edition ISBN 0-13-218763-9

Faculty and Staff, UGA. 2010, 2011 or 2012. *Georgia Pest Management Handbook*

Lab Assignments. Available from Instructor on my Web site

SUPPLIES:

Pen, notebook, calculator.

DESCRIPTION:

This course is designed to familiarize students with standard pesticide use embracing the principles of insect, disease, and weed control and management in the production and maintenance of agronomic and horticultural crops. Special emphasis will be placed upon practical applications and methods of control. Calibrations, pesticide awareness and management, and best management practices will be discussed.

LEARNING OUTCOMES:

Students will be able to:

1. Demonstrate an understanding of the impact of pests in agriculture and horticulture.
2. Know the different types of plant pests and their basic characteristics.
3. Demonstrate an understanding of how to find resources to identify pests to the level necessary for effective pest management.
4. Describe the characteristics of various pesticides.

5. Explain integrated pest management and resistance management strategies.
6. Describe and explain the functioning of the commonest types of pesticide application equipment.
7. Be able to correctly calibrate a sprayer and perform mixing calculations based on information gathered under actual field conditions.
8. Correctly choose an appropriate pesticide and rate from the *Georgia Pest Management Handbook*, based on crop, pest, and application type given.
9. Demonstrate an understanding of pesticide management including labels, safety, potential environmental impact, laws, and recordkeeping.

OUTLINE:

Introduction; Pest Concepts; Insects; Plant Disease Agents; Vertebrate Pests; Weeds; Pesticide Laws, Liability and Record Keeping; Pesticide Labels and Safety; Environmental Considerations; Formulations; Application Equipment and Calibrations; Calculations; Pesticide Transportation, Storage, Decontamination, and Disposal; Integrated Pest Management; and Best Management Practices.

LABORATORY:

Laboratory activities will be conducted in the class period specified above. Lab grades are outlined below.

GRADING:

The grading system is the same as outlined in the college catalog:

A (4.0) . . . 90-100%	D (1.0) . . . 60-69.9%
B (3.0) . . . 80-89.9%	F (0.0) . . . 0-59.9%
C (2.0) . . . 70-79.9%	

EXAMINATIONS:

Written lecture exams will be administered throughout the semester as identified in course calendar. Projects and reference material will be assigned and due dates will be specified in the course calendar.

The date and time of the final lecture exam will be identified in the class calendar.

EVALUATION:

Semester average determined by using the following percentages.

Lecture Exams (3 @ 12%)	36%
Lecture Final Exam	15%
Term Project: Pest Identification Resources 10%	
	<u>Total from Lecture Portion: 61%</u>
Lab Exercises (6 @ 2%)	12%
<u>Lab exercises 1, 3, 4, 5, and 6</u> will be graded by completion. Correct answers will be posted to my Web site after exercises are due. NO LATE LAB EXERCISES WILL BE ACCEPTED. Late lab exercises are those submitted after the day due. Due dates are stated in the course calendar.	
<u>Lab Exercise 2</u> will be graded on accuracy. NO LATE LAB EXERCISES WILL BE ACCEPTED.	
NOTE: Material covered on the lab exercises will appear on the subsequent lab quizzes.	
Lab Quizzes (4 @ 4%)	16%
Lab Final Exam	11%
	<u>Total from Lab Portion: 39%</u>
	Grand Total: 100%

ATTENDANCE:

Be There! Class attendance is expected!

While ABAC does not have a college-wide defined penalty for poor class attendance, the principles outlined in the college catalog in the section on class attendance are pertinent and valid. See the section on "College Policy on Class Attendance" at this link: http://www.abac.edu/catalog/2010_2011/AcademicPolicy.pdf

I have decided to adopt the following policy for my courses: **Students whose number of unexcused absences is more than twice the number of class meetings per week (the equivalent of two weeks of instruction) may receive a grade of “F” for the course. Final determination of what constitutes an excused absence rests with the classroom instructor.**

Whenever a student is absent, whether for official or personal reasons, the student must assume responsibility and provide notice to the instructor, preferably in advance, for making arrangements for any assignments and class work missed because of the absence. However, final approval for make up work remains with the instructor.

A student who stops attending class without officially withdrawing from the course is subject to this attendance policy and will receive a grade of “F” for the course.

A student penalized for excessive absences may appeal through the grade appeal process, as stated in ABAC’s college catalog and student handbook.

WITHDRAWAL:

(Spring Semester, 2012)

The final date to withdraw from this course with a grade of “W” is **Wednesday, February 29, 2012 at 4:30pm**. Please see the current ABAC Catalog section on “Withdrawals” in the section on “Academic Policies” at http://www.abac.edu/catalog/2010_2011/AcademicPolicy.pdf for a description of withdrawal reasons and policies.

CLASSROOM POLICIES:

See **Classroom Policies Document** at

<http://www.abac.edu/amurphy/CLASSROOM-POLICIES.pdf>