

**Integrated Pest Management  
BSPM 451, Spring 2013**

**Instructor:** Frank B. Peairs  
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**Three Credit Lecture:** T-Th, 1:00 - 2:15, Room E008 Plant Sciences

**Course Objectives:**

Successful students will be able to:

- Describe history of and motivations underlying Integrated Pest Management (IPM)
- Discuss the ecological principles supporting IPM.
- Define the main components of IPM, with concrete examples.
- Show that nonpesticidal IPM components can replace or reduce the need for chemical controls
- Describe how economic injury level and economic threshold concepts are used to minimize pesticide use
- Demonstrate in depth understanding of the fate of pesticides after they are released into the environment.
- Recommend methods for reducing undesirable effects of pesticides on the environment.
- Define IPM and its importance in the safe and effective use of pesticides.
- Apply IPM concepts and practices to a specific pest and crop.
- Discuss how IPM concepts and practices are relevant to a broad spectrum of pests and pest situations.

**Methods of Evaluation:** There will be a PowerPoint presentation, two examinations and a final.

**Text and Readings:** Text is TBA. Background readings for individual lectures will be provided.

**Grading:** Exam I (25%), Exam II (25%), Final Exam (25%), Presentation (25%).

**Grading Scale:** A = 90-100%; B = 80-89%; C = 70-79%; D = 60-69%; F = <60%.

**Prerequisites:** One class in crop protection.

Expectations for work outside of class include readings, development of the presentation and preparation for exams.