



Syllabus for (11:370:350)

AGRICULTURAL ENTOMOLOGY & PEST MANAGEMENT

(3.0 Credits)

Instructor: Dr. George Hamilton (Hamilton@aesop.rutgers.edu)

Semester, Period & Format: Spring; M, W (2:15 – 3:35pm) Lecture

Location: Blake Hall 101

Pre-requisites and other registration restrictions: None

Required Texts: None

Lecture	Title
1	Introduction to Insects
2	Insect Classification and Agricultural Pests
3	Chemical Communication in Insects
4	Surveillance and Sampling
5	Economic Decision Levels for Pest Populations
6	Pest Management Theory and Practice
7	Natural Enemies
8	Pollinators
9	1st Hour Exam
10	Plant Resistance to Insects
11	Genetic Engineering – Pro's and Con's
12	Pesticide Regulations/Insecticides
13	Companion Plants and Pest Control
14	The IR-4 Project
15	Ecological Backlash & Its Management
16	2nd Hour Exam
17	New Jersey's Biological Control Programs
18	Greenhouse Pests
19	Blueberry Insect Pests and Control
20	Cranberry Insect Pests and Control
21	Nursery Insect Pests
22	Insect Pests of Tree Fruit Part 1
23	Insect Pests of Tree Fruit Part 2
24	New Jersey's Vegetable IPM Program
25	Field Crops IPM
26	Turf Insects and their Control
27	3rd Hour Exam

Course Learning Goals:

- Attain mastery of the essential aspects of practice and study in the field of agricultural entomology and pest management
- Preparation to be professionals in agricultural entomology

Student Learning Assessment: [% of final grade]

- Three hourly exams [75%]
- Weekly quizzes will be available online via the Ecompanion system and accessible each week on Thursdays at 9:30 pm until midnight Fridays [15%]
- Class attendance and participation [10%]

Contact Information:

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Office Hours Open