**CLASS SCHEDULE**

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| Week | Date | Topic | DUE DATE |
| 1 | 1/27 | Lecture: Introduction/History of IPM  Discussion: Logistics/Assignments |  |
| 1/29 | Lecture: IPM Concept  Discussion: Definition of IPM and Steps of IPM | **Assignment 1** |
| 2 | 2/3 | Lecture: Plant Diagnostics Types of Damage (pathogen/nutrient/agronomic) Karen Rane  Discussion: Reading 1 | Reading 1 |
| 2/5 | Lecture: Insect Diagnostics/Damage  Laboratory: What is Extension/Giving an Extension Talk Herbert Reed | Bring laptops if able |
| 3 | 2/10 | Lecture: Monitoring and Sampling  Discussion: Traps/Reading 2 | Reading 2 |
| 2/12 | Lecture: Damage Thresholds  Laboratory: Extension Presentations | **Assignment 2** |
| 4 | 2/17 | Lecture: Ornamental/Turf Thresholds Paula Shrewsbury  Discussion: Reading 3 | Reading 3 |
| 2/19 | Lecture: Phenology Models (leaf wetness/ degree-days/ “calendar”)  Laboratory: Calculating Degree Days/Online Phenology Models  Discussion: Reading 4 | Reading 4  Bring laptops if able  Calculators might be helpful |
| 5 | 2/24 | Lecture: Insecticide Classes and Modes of Action  Laboratory: Set Up Bioassays  Discussion: Reading 5 | Reading 5 |
| 2/26 | Lecture: Toxicology  Laboratory: Bioassays/PROBIT Analysis | Bring laptops if able |
| 6 | 3/2 | Lecture: Insecticide Resistance and Chemical Applications  Discussion: Reading 6, Pesticide Labels/Formulations  Evaluation: Discussion Format, Course Content, Course Format | Reading 6 |
| 3/4 | Lecture: Pheromones  Laboratory: Set-Up Pathogenicity Lab |  |
| 7 | 3/9 | Lecture: Biological Control  Laboratory: Pathogenicity Lab |  |
| 3/11 | Lecture: Biological Control  Discussion: Reading 7 | Reading 7 |
| Spring Break 3/13-3/20 | | | |
| 8 | 3/23 | Lecture: Biological Control (Microbial Control)  Discussion: Reading 8 | Reading 8 |
| 3/25 | Laboratory: Extension Presentations | **Assignment 3**  **Midterm Assessment Due** |
| 9 | 3/30 | Lecture: Cultural Control  Discussion: Reading 10 | Reading 10 |
| 4/1 | CMREC: Pesticide Safety/Calibrating Sprayers | Field Trip |
| 10 | 4/6 | Lecture: Cultural Control  Discussion: Reading 11 | Reading 11 |
| 4/8 | Lecture: Host Plant Resistance/GMOs  Laboratory: GMO Debate, O'Brochta? |  |
| 11 | 4/13 | Lecture: RNAi  Discussion: Reading 12 | Reading 12 |
| 4/15 | Brookside Gardens (greenhouse pest management) | Field Trip |
| 12 | 4/20 | Lecture: Insect Vectored Plant Diseases  Discussion: Reading 13 | Reading 13 |
| 4/22 | Beltsville USDA: Strawberries (Host Plant Resistance)  Dr. Kim Lewers | Field Trip  **Assignment 4** |
| 13 | 4/27 | Lecture: Areawide Pest Management  Discussion: Reading 14 | Reading 14 |
| 4/29 | CMREC: Sampling/Thresholds/Pest ID | Field Trip |
| 14 | 5/4 | Lecture: Certifications/Jobs  **Final Assessment** | **Final Assessment** |
| 5/6 | Larriland Farm (Pest management on a diversified farm) | Field Trip |