

**Donna Hirschfelt & Lynn Wunderlich, Master Gardener Lectures,  
El Dorado County, 2001, as presented on UCTV**

*These are the topics as presented by the lecturers while teaching a class of Master Gardener trainees. Because of the class interaction, some topics are reiterated or added depending on the questions trainees have during the presentation.*

**Introduction to Entomology—Part 1, 60 minutes**

Topics:

Presented by Donna Hirschfelt

- Insect body features
- Insect anatomy
- Metamorphosis
- Feeding

Topics

Presented by Lynn Wunderlich

- Importance of insect identification
- Taxonomic classification of common housefly
- Orders with gradual metamorphosis
- Thysanura—Silverfish and Firebrat
- Demaptera—Earwigs
- Orthoptera
  - Cockroaches
  - Grasshoppers
  - Crickets
  - Katydid
- Isoptera--termites
- Thysanoptera
  - Thrips
- Hemiptera
  - True bugs
  - Lygus
- Homoptera
  - Leafhoppers
  - Aphids
  - Scales
  - Mealybugs
  - Psyllids
  - Whitefly

End of Part 1

## ***Introduction to Entomology—Part 2, 60 minutes***

### Topics

Presented by Lynn Wunderlich:

- Complete Metamorphosis
- Neuroptera
  - Lacewings
  - Antlions
- Coleoptera
  - Beetles
- Diptera
  - Flies, True Flies
- Hymenoptera
  - Wasps
  - Ants
  - Bees
  - Winged ants vs. Termites
- Glassy-winged Sharpshooter
- Live camera examples
  - Leafhopper nymph on leaf
  - Thrips, aphids
  - Leaf miner adults and larva
  - Red Gum Lerp Psyllid
  - Caterpillar—Navel Orangeworm larva
  - Hemipteran nymphs
  - Bonsai plant problem—spider mites
  - Lacewing adult and nymph
- Delusory Parasitosis & other human parasites
- Snout beetle
- Ticks
- Whiteflies
- Handling insect specimens
- Paper wasps
- Klamath Weed Beetle
- Syrphid fly adult
- UC IPM Pest Notes ([www.ipm.ucdavis.edu](http://www.ipm.ucdavis.edu))

For more information, consult <http://ucmgvideo.ucanr.org>

**University of California, Division of Agriculture and Natural Resources**