

## Entomology (ENT)

	Credits
<b>ENT 210 - Insects, Humans and the Environment</b>	3
Insect biology and its relevance to humans and the environment. 2 lectures. F	
<b>ENT 350 - General Entomology</b>	3
Fundamental aspects of Entomology, including: insect classification, identification, structure, biology, adaptations, and impact on human society. 2 lectures, 1 two-hour laboratory. F	
<b>ENT 360 - Economic Entomology</b>	1 - 3
A distance education course covering agronomic and horticulture insect pests including impact of insects, introduction to IPM, pest management tools, and insect vectors of diseases. May be repeated for 1 credit if previously taken for 2 credits. Prereq: BIOL 151.	
<b>ENT 410 - Integrated Management of Pests</b>	3
How pests are managed and influenced by the environment, society, economics, and pest biology. This class will look at these factors and how they affect pest management practice across taxonomic groups. Prereq: BIOL 151, ENT 350, PPTH 324, PLSC 323.	
<b>ENT 431 - Principles of Insect Pest Management</b>	3
This course focuses on integrated pest management of insects and related arthropods. The course will cover information and tactics relevant to using and developing IPM programs (e.g. pesticides, economic thresholds, biocontrol). Prereq: ENT 350. S (even years)	
<b>ENT 446 - Plant Resistance to Insects</b>	3
This course covers the challenges that insects pose for plants as well as the resistance mechanisms that plants have evolved to meet these challenges. Examples will come from natural, agricultural, horticultural and range systems. Prereq: ENT 350. F (even years)	
<b>ENT 470 - Insect Ecology</b>	3
This course is an introduction to the fundamental concepts of ecology as they relate to insects. We will emphasize how ecological principles help inform many areas of applied and basic entomological research. Prereq: ENT 350. S (odd years)	
<b>ENT 610 - Integrated Management of Pests</b>	3
How pests are managed and influenced by the environment, society, economics, and pest biology. This class will look at these factors and how they affect pest management practice across taxonomic groups.	
<b>ENT 631 - Principles of Insect Pest Management</b>	3
This course focuses on integrated pest management of insects and related arthropods. The course will cover information and tactics relevant to using and developing IPM programs (e.g. pesticides, economic thresholds, biocontrol). Prereq: ENT 350. S (even years)	
<b>ENT 646 - Plant Resistance to Insects</b>	3
This course covers the challenges that insects pose for plants as well as the resistance mechanisms that plants have evolved to meet these challenges. Examples will come from natural, agricultural, horticultural and range systems. Prereq: ENT 350. F (even years)	
<b>ENT 670 - Insect Ecology</b>	3
This course is an introduction to the fundamental concepts of ecology as they relate to insects. We will emphasize how ecological principles help inform many areas of applied and basic entomological research. Prereq: ENT 350. S (odd years)	
<b>ENT 742 - Quantitative Biology</b>	3
Philosophy and techniques for collecting, handling, and interpreting research data in the biological sciences. Prereq: STAT 330. S Cross-listed with BIOL.	
<b>ENT 750 - Systematic Entomology</b>	5
Introduction to systematic methods and principles; identification of common families of insects. Prereq: ENT 350. F (even years)	
<b>ENT 751 - Immature Insects</b>	3
Characteristics of the immature forms of the orders and principal families of insects. Prereq: ENT 750. F (odd years)	
<b>ENT 760 - Insect Structure</b>	4
Structure of insects and physiological functions. The development of adult form from embryonic and larval precursors during growth and metamorphosis; evolutionary development of insect structures. Prereq: ENT 350. F (odd years)	
<b>ENT 761 - Insect Physiology</b>	4
Function of major insect organ systems and metabolism, growth, and molting of insects. Prereq: ENT 350, CHEM 260. S (odd years)	
<b>ENT 765 - Biological Control of Insects and Weeds</b>	3
The natural or applied regulation of pests by predaceous and parasitic insects and pathogens. Prereq: ENT 350.	