Department: Science Course Title: Zoology Course #: 544

DESCRIPTION OF COURSE:

Grade 11, 12 - 1 Credit - Prerequisite: Course 511 or 512

Students will learn about the fascinating fish, birds, reptiles, amphibians, and mammals of Pennsylvania. Students will learn to identify these animals, and they will investigate how they live and grow. Students will investigate many other wildlife-related topics such as the anthropomorphizing and sensationalizing of wildlife, the science of wildlife management. Achievement will be demonstrated through a wide variety of quizzes, tests, reports, and performance evaluations.

REQUIRED TOPICS OF STUDY	SUGGESTED INTRUCTIONAL TIME	STANDARDS/ ASSESSMENT ANCHORS
The Conservationist Approach to Resource Use	1 Week	
Zoological Terminology	1 Week	
Ornithology (terms, practices, and species identification)	4 Weeks	
Ichthyology (terms, practices, and species identification)	3 Weeks	
Anthropomorphism and Sensationalism	1 Week	
Mammalogy (terms, practices, and species identification	5 Weeks	
Herpetology (terms, practices, and species identification)	3 Weeks	

INSTRUCTIONAL RESOURCES:

Internet resources are used extensively in Zoology. Most resources are presented through interactive lessons and web quests incorporated into a Moodle Learning Management System software installation.

- *Peterson Field Guide - Eastern Birds Houghton Mifflin Company Roger Tory Peterson 1980 – Fourth Edition 0-395-26621-1*
- *Peterson Field Guide - Freshwater Fishes; Houghton Mifflin Company; Lawrence M. Page / Brooks M. Burr; 1991; 0-395-35307-6*
- *Peterson Field Guide – Reptiles and Amphibians; Houghton Mifflin Company; Roger Conant / Joseph T. Collins; 1991 – Fourth Edition 0-395-58389-6*
- *Peterson Field Guide – Mammals; Houghton Mifflin Company; William Henry Burt / Richard Philip Grossenheider; 1980 – Third Edition 0-395-24084-0*
- *Mammals Of Pennsylvania; The Pennsylvania Game Commission; J. Kenneth Doutt / Caroline A. Heppenstall / John E. Guilday; 1977 – Eighth Edition; Unknown*
- *Birds Of Pennsylvania; The Pennsylvania Game Commission; James S. Wakeley / Lillian D. Wakeley; 1985 – Second Edition; Unknown*
- *A Study Guide For Selected Vertebrates Of Pennsylvania; Whitehall-Coplay School District; Carl G. Keller; 1996; Unknown*