

**LECTURE AND EXAM SCHEDULE\***

- Aug 19 College closed – tropical storm Fay
- Aug 21 Introduction, Ecology
  
- Aug 26 Ecology, Animals & the Environment
- Aug 28 The Environment, Animal Structure & Architecture
  
- Sep 2 Animal Structure & Architecture
- Sep 4 **QUIZ #1** (Ecology - Structure); Animal Taxonomy
  
- Sep 9 Animal Taxonomy & Phylogeny, Protozoans
- Sep 11 Sponges, Cnidarians (Jellyfish & Corals)
  
- Sep 16 Cnidarians, Ctenophores, Coral Reefs
- Sep 18 Flatworms
  
- Sep 23 **QUIZ #2** (Taxonomy – Coral Reefs); Roundworms
- Sep 25 Roundworms & Pseudocoelomate Animals
  
- Sep 30 Molluscs
- Oct 2 Segmented Worms (Annelids)
  
- Oct 7 **QUIZ #3** (Flatworms - Molluscs); midterm review
- Oct 9 **NO CLASS – FALL HOLIDAY**
  
- Oct 14 **MIDTERM EXAM** (on Ecology – Annelids)
- Oct 16 Arthropods (Trilobites, Horseshoe Crabs & Spiders)
  
- Oct 21 Arthropods (Crustaceans & Insects)
- Oct 23 Echinoderms, Other Groups (Deuterostomes)
  
- Oct 28 Chordates, Vertebrate Form & Function
- Oct 30 **QUIZ #4** (Arthropods - Deuterostomes); Fish
  
- Nov 4 Fish, Amphibians
- Nov 6 Reptiles
  
- Nov 11 **NO CLASS – VETERAN'S DAY HOLIDAY**
- Nov 13 **QUIZ #5** (Chordates - Amphibians) ; Reptiles
  
- Nov 18 Birds
- Nov 20 **NO CLASS - THANKSGIVING HOLIDAY**
  
- Nov 25 Birds, Mammals
- Nov 27 review
  
- Dec 2 Mammals, Genetics & Evolution
- Dec 4 **QUIZ #6** (Reptiles - Mammals); final review
  
- Dec 9 (at 2:30) **FINAL EXAM** (on arthropods – evolution)



"Well, of course I did it in cold blood, you idiot! ... I'm a reptile!"

**SUGGESTED READINGS**

- ECOLOGY ..... Chapter 2
- ANIMALS & ENVIRONMENT...
- ANIMAL ARCHITECTURE..... Chapter 3
  
- CLASSIFICATION ..... Chapter 4
- PROTOZOANS ..... Chapter 5
- SPONGES ..... Chapter 6
- CNIDARIANS ..... Chapter 7
  
- FLATWORMS ..... Chapter 8
- ROUNDWORMS ..... Chapter 9
- MOLLUSCS ..... Chapter 10
  
- SEGMENTED WORMS ..... Chapters 11
  
- ARTHROPODS ..... Chapter 12
- ECHINODERMS & OTHERS .. Chapter 13, 14
  
- CHORDATES ..... Chapter 15
- VERTEBRATE
- FORM & FUNCTION..... Chapter 15
- FISHES ..... Chapter 16
- AMPHIBIANS ..... Chapter 17
  
- REPTILES ..... Chapter 18
- BIRDS ..... Chapter 19
- MAMMALS ..... Chapter 20
  
- DIVERSITY & EVOLUTION ..... Chapter 1

**COURSE OUTCOMES**

- The students should be able to achieve an understanding of: basic structure and function of animal cells; the phylogenetic position and the functional affinities of the three phyla - Protozoa, Porifera, and Cnidaria; life cycles and parasites of animals; the evolution, physiology, and ecology of fishes; the transition of aquatic life to terrestrial environments; the adaptation of vertebrates for flight; be able to relate man to the other mammals, and trace mammalian evolution and diversity
- The students should be able to relate the large animal phyla (Mollusca, Annelida and Arthropoda) to the diversity of animal life
- The students should be able to foresee the predictability of and the transition to the vertebrate animal types from their invertebrate ancestors

\*Subject to minor changes