COURSE INFORMATION FORM

DISCIPLINE  
Biology

COURSE TITLE  
General Zoology

CR.HR   5  LECT HR.  3  LAB HR.  4  CLIN/INTERN HR.  _______  CLOCK HR.  _______

CATALOG DESCRIPTION

Systematic survey of the major animal phyla. Microscopic and gross examination of representative animal types. Anatomy and physiology, natural history, life cycles, ecological relationships, and genetics.

PREREQUISITES

None

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:
1. Describe scientific methodology.
2. Explain diversity and evolution using appropriate examples.
3. Describe the fundamental chemical and physical properties of animal life.
4. Describe organ systems and adaptations in various animal groups.
5. Describe the interactions between living organisms and their environment.
6. Demonstrate the techniques necessary to write a paper in correct scientific style.
CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written examinations (1- 5)
2. Laboratory practical exams (1- 5)
3. Laboratory reports or drawings (1- 6)
4. Written paper using correct format and style for biological literature (1- 6)

PROGRAM-LEVEL OUTCOMES ADDRESSED

General Education Outcomes
Specify which general education outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes and assessment measures.

Occupational Program Outcomes
Specify which occupational program outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes to assessment measures.
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction
   A. Nature of biological science
   B. Scientific methodology
   C. Characteristics of life

II. The cell
   D. Chemical principles of life
   E. Cellular organization
   F. Cells and energy
   G. The cell cycle

II. Genetics
   A. Mendelian genetics
   B. Molecular genetics
   C. Population genetics

III. Diversity of protests and animals
   A. Evolution
   B. Survey of protests and animals

IV. Anatomy and physiology
   A. Support, protection, and movement
   B. Homeostasis and the internal environment
   C. Digestion and nutrition
   D. Nervous and chemical coordination
   E. Reproduction and development

V. Behavior and ecology