COURSE INFORMATION FORM

DISCIPLINE  Biology
COURSE TITLE  General Biology for Majors II
CR. HR  4  LECT HR  3  LAB HR  2  CLIN/INTERN HR.  ______  CLOCK HR.  ______

CATALOG DESCRIPTION
A survey of plant and animal phyla, life cycles, natural history, ecological relationships and genetics.

PREREQUISITES
BIOL 123 with a C grade or higher.

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Describe the scientific approach to the study of plants and animals.
2. Describe the chemical and physical properties of plant life.
3. Describe organ systems and adaptations in various animal groups.
4. Describe the diversity of organisms, including structural and physiological adaptations to the environment.
5. Explain diversity and evolution using appropriate examples.
6. Demonstrate the techniques necessary to write a paper in correct scientific style.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO

1.  

PROGRAM-LEVEL OUTCOMES
CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Written exams. (1, 2, 3, 4, 5)
2. Lab practical exams. (1, 2, 3, 4, 5)
3. Collection, analysis, and interpretation of data. (1, 2, 3, 4, 5)
4. Field studies. (1, 4, 5)
5. Written paper using correct format and style for biological literature. (6)

CATALOG NO. BIOL 124

COURSE OUTLINE FORM

DISCIPLINE Biology

COURSE TITLE: General Biology for Majors II

Revised 8/28/15
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. Scientific Methodology
II. Photosynthesis and Cellular Respiration
III. Diversity
   A. Viruses, Bacteria, Fungi
   B. Plants
   C. Animals
IV. Plant Nutrition and Growth
V. Plant Anatomy and Reproduction
VI. Animal Development and Reproduction
VII. Animal Nervous Systems and Senses
VIII. Chemical Signaling – Hormones
IX. Gas Exchange
X. Circulatory Systems
XI. Osmoregulation and Excretion