





## **Course outcomes:**

### **Departmental Outcomes as listed in the undergraduate catalogue (page 108):**

The program of study in the Department of Biology has numerous desired outcomes. Examples of these outcomes include the following:

#### **Educational Outcomes**

1. Develop and test hypotheses, collect and analyze data, and present the results and conclusions in both written and oral formats used in peer-reviewed journals and at scientific meetings.
2. Describe the evolutionary processes responsible for biological diversity, explain the phylogenetic relationships among the major taxa of life, and provide illustrative examples.
3. Demonstrate an understanding of the cellular basis of life.
4. Relate the structure and the function of DNA/RNA to the development of form and function of the organism and to heredity.
5. Interpret ecological data pertaining to the behavior of the individual organism in its natural environment; to the structure and function of populations, communities, and ecosystems; and to human impacts on these systems and the environment.

#### **Specific course outcomes keyed to departmental and university expected educational outcomes:**

**By the end of this course, as demonstrated by performance on tests, homework problems and written laboratory reports, students will:**

1. know and understand basic principles and relevant examples of Mendelian inheritance. **(departmental outcomes 1 through 5, university outcome 5).**