

SCI 102 - Electricity with Chemical and Biological Applications

Fall 2012

This is an inquiry-based science course intended for elementary education majors. It is divided into three main laboratory parts and a group project at the end:

Part I: Concepts of Electricity (Physics)	Aug 28 - Sept 25
Part II: Chemical Applications	Sept 27 - Oct 30
Part III: Biological Applications	Nov 1 - Dec 4
Group Projects & Presentations	Dec 6 & Finals Week

There will be an examination on the last day of each laboratory part. Each instructor will give you more detailed information about other requirements for his/her part of the course - such as journals, lab reports, quizzes, etc. The final examination for the whole course will consist of a group project and a presentation; this will count as 10% of your overall course grade. The remainder of your course grade will be 30% of your physics grade, 30% chemistry, and 30% biology.

The hands-on, cooperative experience in class, the written assignments and the group project are designed to allow students to achieve the following Goals of General Education Courses:

- 1) Communicate effectively
- 2) Employ quantitative analysis and mathematical methods
- 3) Think critically and analytically.

Attendance Policy:

Due to the highly interactive nature of this course, attendance is essential. If you are unable to attend class, contact the instructor before class or as soon after class as possible. *It is your responsibility to keep up with the course material.* It is, however, the instructor's decision whether laboratory work and/or other assignments can be made up, the due date, and any penalty associated with the student's absence. Excused absences, in accordance with the Excused Absences Policy for University-Sanctioned Events (see Undergraduate Catalog or Ram's Eye View), will not result in a penalty, provided that the student follows this policy.