

# **SCI 102 - Electricity with Chemical and Biological Applications**

**Fall 2015**

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:

<b>Part I: Concepts of Electricity (Physics)</b>	<b>Aug 25 - Sept 22</b>
<b>Part II: Chemical Applications</b>	<b>Sept 24 - Oct 27</b>
<b>Part III: Biological Applications</b>	<b>Oct 29 - Dec 1</b>
<b>Group Projects &amp; Presentations</b>	<b>Dec 3 &amp; Finals Week</b>

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 SCI101/102 sequence satisfies the General Education science requirement for elementary education majors. 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.