

## EE 201 – ELECTRONIC CIRCUITS

IOWA STATE UNIVERSITY DEPT. OF ELECTRICAL AND COMPUTER ENGINEERING

**Required Text:** Nilsson and Riedel, Electric Circuits, 9<sup>th</sup> Ed.

**Instructor:**

Nathan Neihart  
Email: neihart@iastate.edu  
Office: 2132 Coover Hall  
Office Hours: **TBD**

**Teaching Assistants:**

**TBD**

**Prerequisites:**

Credit or registration in Math 267 and Phys 222.

**Lectures:**

Lectures will be posted to the course website each day after class. During lectures, the instructor will work different example problems in class. The solutions to these problems may not always be posted and it is the student's responsibility to attend class in order to see the complete solution.

**Homework:**

Homework will be assigned on a weekly basis and it is important to complete the assigned problems to solidify your understanding of the concepts covered in lecture. Weekly homework assignments will be posted to the class website on Monday of each week and will be due the following Monday by 5:00pm in the instructor's office. Please put your lab section as well as your name on each homework assignment. Homework assignments will be scored by selecting a random subset of problems to be graded in detail, the remaining problems will be graded on a complete/not complete basis. Working in groups on the homework assignments is allowed, but all work turned in should be the student's own.

**Labs:**

There will be weekly lab assignments beginning on the second week of the semester. Students will work in groups of two and each student must pick up a lab kit from their TA at the beginning of the first lab. A lab report will be required by each student and will be due the following lab period. Each lab report should be typed and have a cover page containing the title of the lab assignment, names of all group members, as well as your lab section. Lab reports should contain a narrative outlining the goals and outcomes of each experiment. Data should be in either a clearly labeled table or in a graph with clearly labeled axis.

**Exams:**

There will be a total of three in-class exams during the semester, two midterms and a cumulative final exam. The dates for the two midterm exams will be announced in class. The date for the final exam is

determined by the Registrar's Office and will be announced in class. Students will be allowed to bring *one* doubled-sided page of notes to each of the midterm exams and *two* doubled-sided pages of notes to the final exam. Otherwise all exams are closed note and closed book. The use of wireless devices is strictly prohibited during exams.

**Quizzes:**

Weekly quizzes will be given every Friday during the beginning of lecture. Quizzes will be closed book closed note and will take only five minutes or less. No late quizzes will be accepted but students will have the option to drop their lowest quiz score.

**Late Policy:**

No late homework, labs, quizzes, or exams will be accepted without prior approval from the professor.

**Grading:**

This final grade for this course will have the following breakdown. Please note, the labs are an important component of this course and as such, *a passing grade in the labs is required for a passing grade in the course.*

- Weekly Homework: 20%
- Weekly Quizzes: 5%
- Attendance and Participation: 5%
- Laboratories: 20%
- Two Exams: 30% (15% each)
- Final Exam: 20%

**Students with Disabilities:**

If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with me as soon as possible. Please request that a Disability Resources staff send a SAAR from verifying your disability and specifying the accommodation that you will need.