ECE103 – DC Circuit Analysis
Course Syllabus for Fall 2025

Class time: MW 4:00 – 4:50, Stadium 1205

Instructor: Olivera Notaros, olivera@colostate.edu
Course TAs: Nickolas Rhodes, rhodesnv@rams.colostate.edu
Soundarya Sivakumar, soundarya.sivakumar@colostate.edu

- *Please send questions to instructor and TAs via email; do not send messages through Canvas, as replying to Canvas messages is tedious.*
- *Always start email subject with ECE103: (brief text follows…)*

HW and Lab office hours: Mon 2:00-3:00 and Thu 12:00-1:00 in C105/107, or as individually arranged
Instructor's office hours: Mon 12:00-1:00 and Wed 10:30-11:15 in C201F, or as individually arranged
HKN/IEEE tutoring for ECE103 – available every day Mon-Fri; schedule on Canvas

Textbook: C. K. Alexander and M. N. O. Sadiku, *Fundamentals of Electric Circuits*, 7th ed, McGraw Hill
Connect for textbook: Accessible through Canvas

Grading criteria
First exam: 15%
Second exam: 15%
Quizzes: 10%
Final: 25%
Homework 10%
Laboratory 17.5%
Reading assignments 7.5%
The system +/- will be used in this class

Teaching/learning schedule:
Detailed list of topics covered during each lecture and dates, as well as quiz and exam dates are posted on Canvas / Modules in a separate file named Calendar

Homework assignments:
There will be two types of homework assignments:
- Connect assignments
- Paper assignments

Connect assignments will be solved online using the Connect registration
- Homework will be assigned periodically. Homework must be completed in the McGraw Hill website (Connect). Any HW submitted after the deadline automatically will have a penalty. The deadline will be indicated on each assignment

- There will be reading assignments that will count as 7.5% towards the final grade. You will find the reading assignments in the Connect section as well. The credit points will be awarded ONLY if the assignments are completed before the indicated deadlines
- Buy the access code for the smart book (CONNECT) from the CSU bookstore. It provides extended access time as compared with the code acquired in the McGraw Hill website. You might have to use your CONNECT access in ECE202
- Three attempts are allowed to complete each homework.
- If used, in the further two attempts you will be able to review the problems you solved incorrectly in your first attempt
- There is no score reduction for attempting multiple times. The program will keep the best score
- Solutions to the problems will be available 48 hours after the deadline
- There is a 50% penalty for each day late after the deadline

VERY IMPORTANT: You are responsible for submitting homework. Connect DOES NOT submit automatically (you must do it manually). If you forget to submit assignment on time, it will be assumed that you have not finished it.

Laboratory instructions.

- Students are expected to *attend* all labs during the time they have registered for, *turn-in* all lab assignments, and get an *overall-passing* lab grade (lab average greater than 70)
- To pass the class you must complete all laboratory experiments and present all your laboratory reports. To complete the laboratory activities, you have a personal kit with all the necessary elements (DIGILENT Analog Device). Work in the lab during the lab sections to complete all the labs.
- The laboratories and the corresponding reports are mandatory. The reports are individual: each student must complete the experiments and complete the personal reports. Any plagiarism will be penalized.
- Lab reports must follow the general format given in the "Sample Report" document available on Canvas.
- For most of the lab activities you will use the DIGILENT package. You will complete the lab activity during the lab session, finish lab report and submit on-paper in the ECE103 drop-box in C105 by the due date.
- A signature from your TA is REQUIRED to receive full points. A signature shows that you **attended** and **attempted** the lab not the lab was completed.
- If you are unable to complete the assignment in the allowed time, make sure you receive a signature before you leave your lab session. You may then continue working in C107 or on your own if necessary.
- For the laboratory activities you must have a CSU Engineering account that will allow you to access the C107 Lab Computers. Please make sure you have the account activated before the second week of class. For any question regarding this issue, contact the Engineering Technology Service (ETS) [https://www.engr.colostate.edu/ets/]

Quizzes and Exams:

There will be one quiz per chapter.
Dates of quizzes and Exams are outlined below and on the course calendar and

- *9/10 Quiz 1 (Chapter 1)*
- *9/22 Quiz 2 (Chapter 2)*
- *9/29 Quiz 3 (Chapter 3)*
- *10/1 Exam #1*
- *10/20 Quiz 4 (Chapter 4)*
- *10/29 Quiz 5 (Chapter 5)*
- *11/10 Quiz 6 (Chapter 6)*
- *11/12 Exam #2*
- *12/10 Quiz 7 (Chapter 7)*
- Wed, 12/17, 11:50 am – 1:50 pm Final Exam: (based on CSU exam schedule)

- Exams will be in-person, in the classroom, Stadium 1205.
- Formula sheet for the quizzes will be provided a week before each quiz. Formula sheet size will vary to match the quiz topic.
- Calculators are allowed. Formula sheet is allowed: one-sided, hand-written letter-size paper with formulas and/or notes is allowed on partial exam; two-sided, single letter-size paper is allowed on the final exam.

CSU Student Conduct Code and the Academic Integrity Policy should be followed. Working with the group of classmates is highly encouraged in our course. In order to avoid any misunderstandings, always list names of colleagues you have worked with, and any resources you may have used to complete the assignment (write this information below your name on the first page of the assignment).
Use of solution manual is strictly forbidden. If cheating or plagiarism is found on exams or assignments, a zero will be given to the exams or assignments.

Grades will be assigned from A through F, with plus or minus categories (no C-, D+, and D-)
F: 0-60; **D:** 60-70; **C:** 70-77; **C+:** 77-80; **B-:** 80-83; **B:** 83-87; **B+:** 87-90; **A-:** 90-93; **A:** 93-97; **A+:** 97 and up