EENG 2611 - Circuit Analysis Lab (Section 003)

Spring 2021

Instructor: Yusheng Wei, yusheng.wei@unt.edu

Grader: Wen Du, wendu@my.unt.edu

Lab via Zoom: Thursday 5:30 PM - 8:20 PM, https://unt.zoom.us/j/87992903444

Office Hours via Zoom: Thursday 3:30 PM - 5:30 PM, https://unt.zoom.us/j/86170232878

Co-requisite: Preferably EENG 2610 Circuit Analysis

Course Description: Supplements the material of Circuit Analysis EENG 2610, providing analysis using Multisim and MATLAB. Verification and testing of fundamental laws and analysis methods through simulations.

Reference: (suggested)
J. D. Irwin and R. M. Nelms, *Basic Engineering Circuit Analysis*, 11th ed., Wiley, 2015.
J. O. Attia, *PSpice and MATLAB for Electronics: An Intgrated Approach*, 2nd ed., CRCpress, 2010.

Course Outline:

Session 1	Introduction
Session 2	DC Circuit Basics
Session 3	Nodal and Mesh Analysis
Session 4	Additional Analysis Methods
Session 5	Operational Amplifiers
Session 6	Inductors and Capacitors, RL and RC
Session 7	OpAmps with Capacitors, RLC
Session 8	AC Circuit Basics
Session 9	AC Circuit Analysis

Grading:

Lab reports 100%

Course Policies:

- Lab reports are due two weeks after the class by 11:59 pm. Reports turned in late will be penalized 50%. No reports will be accepted after 48 hours.
- You have one week to contest any grade once the report is returned.

Canvas: Course material and grades will be maintained on the course Canvas site. You should check this page often to keep current on important information. *https://unt.instructure.com*

Rights and Responsibilities:

- Students are expected to communicate to the instructor any issue regarding their performance in class ahead of time.
- Attendance is required. Students aware of an authorized absence (religious observance, military service, official university function, etc.) should notify the instructor as soon as possible according to UNT Policy 15.2.5.
- Students with disabilities should inform the instructor of their needs at the beginning of the semester according to UNT Policy 18.1.14 in order to receive proper attention and accommodations.
- Cheating and academic dishonesty will not be tolerated. Any student found to have participated in academic dishonesty will receive an F in the class, and may be subject to further disciplinary action. Acts of academic dishonesty include: academic fraud (e.g. changing solutions to appeal a grade), copying or allowing one's work to be copied, fabrication/falsification, plagiarism, sabotage of others' work, substitution (e.g. taking an exam for someone else). For more details, see UNT Policy 18.1.16.
- Letter grades will not be assigned until the end of the term. Letter grades will be curved based on the ranking of your grades among the whole class.