EENG 2611 - Circuit Analysis Lab (Section 102)
Fall 2020

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

Office Hours: Tuesday 8:00 PM - 10:00 PM, https://unt.zoom.us/j/95870677173

Lab: Tuesday 14:30 PM - 17:20 PM, https://unt.zoom.us/j/92301121114

Co-requisite: 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.

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 to the Laboratory
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
Session 10 ..... Frequency Response and Filters

Grading:

Lab Reports 100%

Course Policies:

- Lab Reports are due at the beginning of class. Reports turned in after class will be penalized 20%. 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 and will be recorded each class. 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 and 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. Any letter grade assignment posted before the end of the class should be regarded as tentative and subject to change.