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)

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.