EENG 2611 Circuit Analysis Lab
Fall 2025 – Syllabus

Instructor Information

Instructor: King Man Siu
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- Tel: (940) 369-7890
- Email: Kingman.siu@unt.edu
- Office Hours: Tuesday and Thursday 1:30 – 2:30 PM
- Additional appointments can be requested by email using your my.unt.edu account.

TA: Wu Di
- Office: E246B
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GA: Bhupani, Aravind
- Office: B250
- Office Hours: Wednesday 1:00 – 4:00 PM
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Course Description

The course supplements the material of Circuit Analysis EENG 2610, providing practical hands-on experience with circuit implementation and analysis using Multisim and MATLAB to verify and test fundamental laws and analysis methods.

Course Information

Prerequisites
EENG 2610 Circuit Analysis.

Reference Text
J. O. Attia, PSpice and MATLAB for Electronics: An Integrated Approach, 2nd ed., CRCpress, 2010.
Charles Alexander and Matthew Sadiku, Fundamentals of Electric Circuits, 7th Edition, 2021, McGraw-Hill, ISBN-13: 9781260226409.

Attendance
Attendance is required and will be recorded in 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 are expected to communicate to the instructor any issue regarding their performance in class ahead of time.

Laboratory Reports

Students have one week to submit the lab report after the laboratory class. The report submission is through the portal on Canvas. Only ***PDF or Word*** format is accepted. Please check Canvas regularly for the specific deadlines. For the implementation problems (circuit building), the student and your teammate could attach the same photos. However, for other types of questions, students should work independently (see the announcement on Canvas for details).

- Report needs to be uploaded to Canvas at the due date/time.
- Report turned in late will be penalized 50%. No homework is accepted after 24 hours.
- Students have one week to contest any grade once the grade is posted.

Missed Labs

There are **no** make-up Labs. Make-up lab accommodations will only be made if you have a documented university-excused absence (refer to UNT Policy 06.039).

Grading Elements and Weights

Laboratory Reports	100%

Grade Distribution

Points	Letter Grade
90.0% - 100%	A
80.0% - 89.9%	B
70.0% - 79.9%	C
60.0% - 69.9%	D
59.9% & Below	F

Tentative Course Outline

- Introduction to the Laboratory
- DC Circuit Basics
- Nodal and Mesh Analysis
- Additional Analysis Methods
- Operational Amplifiers
- Inductors and Capacitors, RL and RC
- OpAmps with Capacitors, RLC
- AC Circuit Basics
- AC Circuit Analysis
- Frequency Response and Filters

Student Evaluation of Instruction

SPOT is a requirement for all organized classes at UNT. The survey will be made available at the end of the semester.

UNT Policies

ODA Policy

UNT makes reasonable academic accommodations for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member before implementation in each class. For additional information see the ODA website (https://disability.unt.edu/).

Academic Integrity Policy

According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

Prohibition of Discrimination, Harassment, and Retaliation (Policy 16.004)

The University of North Texas (UNT) prohibits discrimination and harassment because of race, color, national origin, religion, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, veteran status, or any other characteristic protected under applicable federal or state law in its application and admission processes; educational programs and activities; employment policies, procedures, and processes; and university facilities. The University takes active measures to prevent such conduct and investigates and takes remedial action when appropriate.