

EENG 3920 - Project VI: Modern Communication System Design

Applications in Electrical Engineering

Spring 2021

Instructor: Colleen Bailey PhD, NTDP B252, Colleen.Bailey@unt.edu, M 3:30 PM to 5:00 PM

Lecture/Lab: T 2:30 PM to 5:20 PM; NTDP and Virtual

TA: Rani Deepika Balavendran Joseph, ranideepikabalavendranjoseph@my.unt.edu

Co-requisite: EENG 3520 Electronics II

Course Description: Students are required to design electronic communication systems with electronic devices such as transistors, capacitors, inductors, and resistors. Topics include LC circuits and oscillators, AM modulation, SSB communications and FM modulation.

Textbook: none

Grading: (can be adjusted at instructors discretion)

Your final grade is subject to attendance, participation, and lab reports.

Course Objectives: Understand applications in different areas of Electrical Engineering while focusing on Communication Systems.

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.
- Students aware of an authorized absence from a scheduled lab (religious observance, military service, official university function, COVID-19, etc.) should notify the instructor as soon as possible according to UNT Policy 15.2.5.
- Face coverings are required in all UNT facilities. If/when we have in person class, students are expected to wear face coverings.
- 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 (including face mask 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. Any letter grade assignment posted before the end of the class should be regarded as tentative and subject to change.