ECE421: Telecommunications I, Fall 2022

Time and Location:
TR 11:00 AM -- 12:15 PM Engr B105

Instructor:
Ali Pezeshki
Contact Information: <Ali.Pezeshki@colostate.edu>
Office Hours: Thursdays 2:30 PM -- 3:30 PM (in person in Engr. C103F and on Zoom [Links to an external site.], password: 421)

Textbook:

Additional Reference (not required):

Exam Calendar:
- Midterm Exam: Oct. 13, 2022
- Final Exam: Dec. 14, 2022, 6:20pm-8:20pm

Grading:
- Homework: 20%
- Midterm Exam: 40%
- Final Exam: 40%

Course Topics:
- Introduction (Ch. 1)
- Amplitude Modulation (Ch. 4)
- Angle Modulation (Ch. 4)
- Sampling, Quantization and Pulse Modulation (Ch. 5)
- Digital Baseband and Passband Data Transmission (Ch. 6)
- Noise in Analog Communications (Ch. 8)
- Noise in Digital Communications (Ch. 9)
- Error Probability Calculations (Ch. 9)