ECE 447 Fall 2025

Lesson 02 Communication Systems Overview





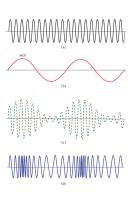
SCHEDULE AND ADMIN

- Schedule
- Admin
 - Skills review due to Gradescope by 1159 of M3
 - Lab 1 next time! Read through ahead of time.
 Download, but do *NOT* run, zadig.exe from Teams



MODULATION

- What is modulation?
 - Using a baseband message signal to change some parameter (amplitude, frequency, phase) of a carrier signal
 - Carrier is a high frequency sinusoid
 - **Modulating** signal = *baseband* message signal
 - Modulated signal = modified carrier signal; bandpass signal; aka frequency translated signal
- Why use modulation?





WHAT ABOUT THE OTHER PARTS OF A COMM SYS?

