

## EE 331 COMMUNICATIONS LABORATORY (0 0 3 3)

Amplitude modulation and demodulation (AM with carrier & DSBSC AM); frequency modulation and demodulation (using VCO & PLL); automatic gain control (AGC); pulse width modulation (PWM); pulse code modulation (PCM); pseudo-random (PN) sequence generation; binary phase shift keying (BPSK); binary frequency shift keying (BFSK).

### Text/References:

1. W. Tomasi, Electronic Communications Systems – Fundamentals through advanced, 4/e, Pearson, 2003.
2. J. G. Proakis and M. Salehi: Communication Systems Engineering; Pearson, 2006.
3. H. Taub and D. L. Schilling: Principles of Communication Systems; Tata McGraw-Hill, 2008.