Course Information

- Class Room: F2002
- Lecture: Wednesday 9:10AM – 12:00PM.
- Office: A104.
- Email: cpli@mail.nsysu.edu.tw
- Phone: Ext: 4480

- Midterm Examination -- 30%
- Final Examination -- 40%
- Quiz (once per two weeks) -- 30%
- Don’t ask for make-up opportunities.
Recommended Books

- Digital Communications / Fourth Edition (textbook)
  -- John G. Proakis, McGraw Hill
  -- Simon Haykin, John Wiley & Sons, Inc.
- Digital Communications – Fundamentals and Applications / 2nd Edition
  -- Bernard Sklar, Prentice Hall
- Principles of Communications / Fifth Edition
- Modern Digital and Analog Communication Systems
  -- B.P. Lathi, Holt, Rinehart and Winston, Inc.
Tentative Course Syllabus

- Chapter 1: Introduction
- Chapter 2: Probability and Stochastic Processes
- Chapter 3: Source Coding
- Chapter 4: Characterization of Communication Signals and Systems
- Chapter 5: Optimum Receivers for the Additive White Gaussian Noise Channel
- Chapter 7: Channel Capacity
- Chapter 9: Signal Design for Band-Limited Channels
- Chapter 6: Carrier and Symbol Synchronization