Course Information

- Class Room: F2002
- Lecture: Tuesday 9:10AM – 12:00PM.
- Office: A104.
- Email: cpli@faculty.nssysu.edu.tw
- Phone: Ext: 4480
- 助教：潘俊憲、張永霖 (Lab:F2016；Phone:F4489)
  蒲俊瑋 (Lab:FB006；Phone:4481)
- 4 Examinations, 2 hours each, 25% each.
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.
Course Syllabus

- Chapter 1: Introduction (0.5)
- Chapter 2: Probability and Stochastic Processes (3.0)
- Chapter 3: Source Coding (1.5)
- Chapter 4: Characterization of Communication Signals and Systems (4)
- Chapter 5: Optimum Receivers for the Additive White Gaussian Noise Channel (4)
- Chapter 7: Channel Capacity (1)
- Chapter 9: Signal Design for Band-Limited Channels (1)
- Chapter 6: Carrier and Symbol Synchronization (2)
Examinations

- Exam 1: Chapter 1, 2, 3.
- Exam 2: Chapter 4.
- Exam 3: Chapter 5.
- Exam 4: Chapter 6, 7, 9.