Digital Communications
Fall 2015

Wireless Information Transmission System Lab.
Institute of Communications Engineering
National Sun Yat-sen University
Course Information

- Class Room: EC 2007
- Lecture: Monday 14:10-17:00.
- Office Hour: Monday and Thursday, 10:00~12:00.
  - You are suggested to make appointment before you stop by my office.
- Office: F8038; Phone: 4480;
- Email: cpli@faculty.nsysu.edu.tw
- 助教：張豐承、陳國顯 (Lab:F9011；Phone:4481)
- Midterm I: 30%; Midterm II: 35%; Final: 35%.
Recommended Books

◊ Digital Communications / Fifth Edition (Textbook)
  -- John G. Proakis and Masoud Salehi, 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.
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Examinations

◊ Midterm 1: Monday October 26, 2015 (30%)
  ◦ Introduction
  ◦ Deterministic and Random Signal Analysis

◊ Midterm 2: Monday December 7, 2015 (35%)
  ◦ Digital Modulation Schemes
  ◦ Optimum Receivers for AWGN Channels

◊ Final: Monday January 11, 2015 (35%)
  ◦ An Introduction to Information Theory
  ◦ Digital Communication Through Band-Limited Channels