

Discrete Mathematics

Chih-Wei Yi

Dept. of Computer Science
National Chiao Tung University

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Instructor

- Dr. Chih-Wei Yi
- Class: Tu 9:00-9:50, F 13:30-15:20 @ EC016
- Office hours: Tu,F 12:30-13:20 @ EC432
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Ph.D. Teaching Assistants

- Yi-Ta Chuang
- Recitation hours: W 18:30~20:20 @ EC016
- Recitation website:
<http://www.nol.cs.nctu.edu.tw/izeki/course/2010SpringDM.html>
- Office hours: M, Tu, Th 12:00-13:00 @ EC235
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Teaching Assistants

■ General information

- Office: EC235
- Phone: (03)5712121 ext 56680

■ Benny Lu

- Office hours: W,Th 12:30-1:20 @ EC235
- E-mail: benny.lu.cs98g@nctu.edu.tw

■ Alex Chiu

- Office hours: M,Tu 12:30-13:20 @ EC235
- E-mail: angeldie.cs98g@nctu.edu.tw

Blackboard System

- Website: <http://e3.nctu.edu.tw/>
- Account and password: the same as what used in the registration system
- Call for help: x31433 or nacad@cc.nctu.edu.tw

Textbook

- Kenneth H. Rosen, "Discrete Mathematics and Its Applications," 6th ed., The McGraw-Hill Companies.
- References
 - C. L. Liu, Elements of Discrete Mathematics, 2nd ed., McGraw-Hill Inc.
 - Ralph P. Grimaldi, Discrete and Combinatorial Mathematics, 5th ed.

Course Contents

- Chapter 1 Logic and Proofs
- Chapter 2 Sets, Functions, Sequences, and Sums
- Chapter 3 Algorithms and the Integers
- Chapter 4 Induction and Recursion
- Chapter 5 Counting
- Chapter 7 Advanced Counting Techniques
- Chapter 8 Relations
- Chapter 9 Graphs
- Chapter 10 Trees

Grading Policy

- 2 Preliminary Test: 20%
- 2 Midterm: 40%
- 1 Final: 30%
- Homework and Quizzes: 10%
- Average: 78 ± 3 (only for reference)