Discrete Mathematics Lecture Notes

Yuh-Dauh Lyuu
Dept. Computer Science & Information Engineering
and
Department of Finance
National Taiwan University
Class Information

  - Perhaps the best book for undergraduate students.
  - “Serious” combinatorics starts at p. 311.
  - We more or less follow the topics of the book.
  - More “advanced” materials may be added.

- Check

  
  www.csie.ntu.edu.tw/~lyuu/dm/2002

for last year’s lecture notes.
Class Information (concluded)

- More information and future lecture notes (in PostScript and PDF formats) can be found at
  
  www.csie.ntu.edu.tw/~lyuu/dm.html

- Please ask many questions in class.
  - The best way for me to remember you in a large class.\(^a\)

- Mr. Ou, Yu-Yen will be the teaching assistant.

\(^a\)“[A] science concentrator [...] said that in his eighth semester of [Harvard] college, there was not a single science professor who could identify him by name.” (New York Times, September 3, 2003.)
Grading

• No homeworks.
  – You should go over the exercises and their answers supplied in the book yourself.

• Two to three examinations.
• You must show up for the examinations, in person.
• If you cannot make it to an examination, please email me beforehand (unless there is a legitimate reason).
• Missing the final examination will earn a “fail” grade.
Two Quotes

A proof is that which convinces a reasonable man;
a rigorous proof is that which convinces an unreasonable man.
—Mark Kac (1914–1984)

In after years I have deeply regretted that
I did not proceed far enough at least to understand something of the
great leading principles of mathematics.
—Charles Darwin (1809–1882),
Autobiography