

CS 333202

PROBABILITY

Course Syllabus

Duan-Shin Lee 李端興

Contact information

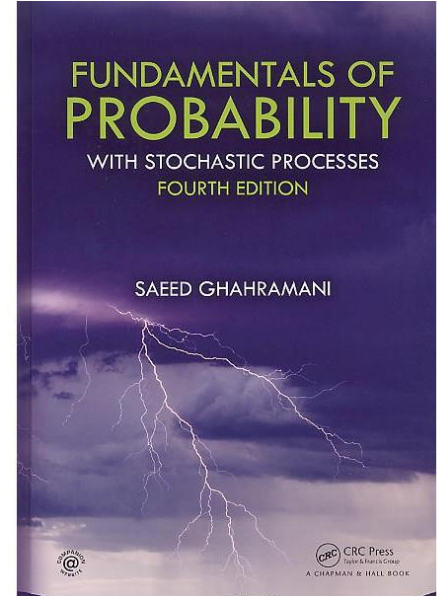
- Instructor – Duan-Shin Lee
 - Office : 台達館639
 - Email : lds@cs.nthu.edu.tw
 - Tel: extension 42810
 - Office hours: Tuesday 2 pm – 3:30 pm
- Teaching assistants
 - 洪郁修 (elison8934678@gmail.com)
 - 賴亭安 (laiian@gapp.nthu.edu.tw)
 - 張景淵 (va6lue@gapp.nthu.edu.tw)
 - Room: EECS 845
 - Lab telephone: extension 33907
 - Office hours: Thursday 2 pm – 3 pm

Course information

- Course ID and title - CS 333201 Probability
- Class schedule – W3W4F3F4
 - Wednesday 10:10 am - 11:25 am
 - Friday 10:10 am – 11:25 am
- Classroom – Delta building, room 103
- This is a **16-week** course

Course and textbook information

- Course web page – eLearn
 - Power-point slides
 - Announcements
 - Home work and exam solutions
 - Grades
- Textbook
 - Saeed Ghahramani, “Fundamentals of probability with Stochastic Processes,” fourth edition, CRC Press, 2019.
- Reference book
 - Sheldon Ross, “A first course in probability,” eighth edition, Pearson, 2010.



Grading

- Grading
 - Homework 20%
 - Midterm and Final exams, 40% each
- Each exam contain 50% of points from homework problems and example problems presented in the class
- The rest 50% of points come from other problems including
 - Exercises in the textbook that were not selected as homework problems
 - Example problems in the textbook not presented in the class
 - Problems created by me

Grading

- Final grades between 58 and 60 will be adjusted to 60 if you appear in 3 out of 4 roll calls
 - You can ask for personal leave due to illness, participating in team competitions and etc.
 - You can request class recording, if you take personal leave
 - Lectures will be recorded using Microsoft Teams
 - The URL is <https://reurl.cc/b75aWr>
 - Teams 中的團隊代碼 : **056et9a**
- There will **NOT** be any other grade adjustments at the end of the semester under any circumstances

Important dates

- Midterm exam on April 17, 2024, Wednesday (week 9)
- Final exam on June 7, 2024, Friday (week 16)
- No class on
 - February 28, 2024 (Wednesday)
 - April 3, 2024, Wednesday
 - April 5, 2024, Friday

Additional information

- Students can request a leave of absence from class
 - Covid-19 infection, attending tournaments or competitions, etc.
 - Online lectures on Microsoft Teams will be recorded
- This course requires knowledge on calculus
- 加簽優先順序
 - 資工 > 電資不分系 > 電機 > 其他科系
 - 資工生年級的順位: $2 > 4 > 3 > 1$
 - 其他科系年級的順位: $4 > 2 > 3 > 1$
 - Classroom capacity = 121
 - 3位彈性調度名額
 - Enroll up to $121 - 3 = 118$
- 第一次加簽名單會在2月23日(Friday)下午四點公布
- 第二次加簽的名單會在3月1日(Friday)下午四點公布
- 加簽名單確定前會使用Microsoft Teams錄音錄影

Coverage of the textbook

- Chapter 1, sections 1.1 – 1.6
- Chapter 2 (summary only)
- Chapter 3, section 3.1 – 3.5
- Chapter 4, section 4.1 – 4.5
- Chapter 5, section 5.1 – 5.3 (not including hypergeometric random variables)
- Chapter 6
- Chapter 7, section 7.1 – 7.4
- Chapter 8, section 8.1 – 8.3
- Chapter 9.1
- Chapter 10.1 – 10.4
- Chapter 11

Sections covered in exams

- The following is a tentative coverage of the three exams
- Actual coverage will be announced one week before the exams
- Midterm exam
 - April 17, 2024, Wednesday
 - 1.1 - 1.6, 3.1 - 3.5, 4.1 - 4.6, 5.1 - 5.3, 6.1– 6.3
- Final exam
 - June 7, 2023, Friday
 - 7.1 - 7.4, 8.1 - 8.3, 9.1, 10.1 - 10.4, 11.1 - 11.5