

## EE3060 Probability

Instructor: 李祈均 (Jeremy Lee)  
Email: clee@ee.nthu.edu.tw

TA: 蔡福昇 (Felix Tsai), 洪慧庭 (Winnie Hong), 趙高逸 (Carl Chao)  
TA email: fstsai@gapp.nthu.edu.tw, w102060018w@gmail.com, oox15935720@gmail.com

---

### Course Outline

#### Section 1:

Topic: Sample Space and Probability  
Duration: Feb. 20 – Mar. 6  
Quiz date: Mar. 13

#### Section 2:

Topic: Discrete Random Variables  
Duration: Mar. 8 – Mar. 22  
Quiz date: Mar. 29

#### Section 3:

Topic: General Random Variables  
Duration: Mar. 27 – Apr. 12  
Quiz date: Apr. 19

#### Section 4:

Topic: Further Topics on Random Variables  
Duration: Apr. 24 – May 1  
Quiz date: May 8

#### Section 5:

Topic: Limit Theorems & Introduction to Statistics  
Duration: May 10 – May 31  
Quiz date: Jun. 12

### Tentative Schedule

Section 1: 2/20, 2/22, 2/27, 3/6

- Homework Assign: 2/27
- Homework Due: 3/11 (12pm)
- Quiz: 3/13

Section 2: 3/8, 3/15, 3/20, 3/22

- Homework Assign: 3/20
- Homework Due: 3/27 (12pm)
- Quiz: 3/29

Section 3: 3/27, 4/3, 4/10, 4/12

- Homework Assign: 4/10
- Homework Due: 4/17 (12pm)
- Quiz: 4/19

Section 4: 4/24, 4/26, 5/1

- Homework Assign: 4/26
- Homework Due: 5/6 (12pm)
- Quiz: 5/8

Section 5: 5/10, 5/22, 5/24, 5/29, 5/31

- Homework Assign: 5/31
- Homework Due: 6/5 (12pm)
- Quiz: 6/12

No Class: 5/15,

TA-Session on Project: 6/5

Final-Project Proposal: 5/17

TA-Review: 6/14

Project Presentation: 6/19

Final Exam: 6/21

### Grading Breakdown

Quiz (40%)

Homework (20%)

Final (25%)

Project (15%)

### Main Textbook

D. Bertsekas & J.N. Tsitsiklis, "Introduction to Probability" 2nd edition, 2008, Athena Scientific

### References Textbook

S. Ghahramani, "Fundamentals of Probability with Stochastic Processes" 3rd edition, 2005, Pearson

S. Ross, "A First Course in Probability" 9th edition, 2013, Pearson

H. Stark & J.W. Woods, "Probability, Statistics, and Random Processes for Engineers" 4th edition, Pearson