

國立屏東大學 112學年度第1學期 教學課程綱要

※為保護智慧財產權，請勿非法影印教科書。

課程學分數：3.00(3.00小時)

授課老師：董柏昌(300588)

必選修：選

開課序號	1727
科目名稱	機率學(CGC3206)
科目英文名稱	Probability Theory
授課語言	英語/全外語授課
主要教學型態	課堂教學&小組討論
教學目標	Help students to understand probability theory.
每週課程內容及教學方法	Week 01 Course Introduction Week 02 EXPERIMENTS, EVENTS, AND THEIR PROBABILITIES Week 03 EXPERIMENTS, EVENTS, AND THEIR PROBABILITIES Week 04 RANDOM VARIABLES AND THEIR DISTRIBUTIONS Week 05 RANDOM VARIABLES AND THEIR DISTRIBUTIONS Week 06 CONTINUOUS RANDOM VARIABLES Week 07 CONTINUOUS RANDOM VARIABLES Week 08 Midterm Exam Week 09 MULTIPLE RANDOM VARIABLES Week 10 MULTIPLE RANDOM VARIABLES Week 11 SUM OF RANDOM VARIABLES Week 12 SUM OF RANDOM VARIABLES Week 13 THE SAMPLE MEAN AND LIMIT THEOREMS Week 14 THE SAMPLE MEAN AND LIMIT THEOREMS Week 15 ESTIMATION Week 16 Final Exam
核心能力	
預期學習成果	Understand probability theory.
與預期學習成果搭配的多元評量	Attendance: 30% Midterm Exam: 30% Final Exam: 40%
主要讀本	Shaou-Gang Miaou, Fundamentals of Probability and Statistics 2/E, Gau-Lih Book Co.
參考書目	Ross, A First Course in Probability 8/e LEON-GARCIA, PROBABILITY, STATISTICS, AND RANDOM PROCESSES FOR ELECTRICAL ENGINEERING 3/E (S-PIE)
其他事項	請勿不法影印教科書課程