

课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	课程名称 Course Title	现代概率论讨论班 Seminar on Advanced Probability
2.	授课院系 Originating Department	数学系 Department of Mathematics
3.	课程编号 Course Code	MA441
4.	课程学分 Credit Value	1
5.	课程类别 Course Type	专业选修课 Major Elective Courses
6.	授课学期 Semester	春季 Spring
7.	授课语言 Teaching Language	中英双语 English & Chinese
8.	授课教师、所属学系、联系方式 (如属团队授课, 请列明其他授课教师) Instructor(s), Affiliation & Contact (For team teaching, please list all instructors)	熊捷 XIONG JIE
9.	实验员/助教、所属学系、联系方式 Tutor/TA(s), Contact	无 NA
10.	选课人数限额(可不填) Maximum Enrolment (Optional)	

11. 授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other (Please specify)	总学时 Total
学时数 Credit Hours	32				32
12. 先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	MAT8011 现代概率论 Advanced Probability				
13. 后续课程、其它学习规划 Courses for which this course is a pre-requisite					
14. 其它要求修读本课程的学系 Cross-listing Dept.					

教学大纲及教学日历 SYLLABUS

15. 教学目标 Course Objectives

This course is a series of seminars in Advanced Probability as well as some related areas, especially its applications on Advanced Probability. The main purpose of this course is to introduce some research topics in this area. Students will learn how to do with research problems and find some topics they are interested in.

本课程是一个系列讨论班，主题为现代概率论，特别是现代概率论在一些领域应用。本课程旨在介绍该领域的研究问题。学生将会学会如何应对这些研究问题，并找到他们感兴趣的问题。

16. 预达学习成果 Learning Outcomes

Students will learn how to do with research problems and find some topics they are interested in.

学生将学习如何处理研究问题，并找到他们感兴趣的问题。

17. 课程内容及教学日历（如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）
Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

1. Introduction and organization (1 lecture)
2. 介绍与组织 (1 课时)
3. Student presentatons (3 lectures)
4. 学生报告 (3 课时)
5. Supplementary examples and applicatons (1 lecture)
6. 补充实例及应用 (1 讲)
7. Student presentations (3 lectures)
8. 学生报告 (3 课时)
9. Supplementary examples and applications (1 lecture)
10. 补充示例和应用 (1 课时)
11. Student presentations (3 lectures)
12. 学生报告 (3 课时)
13. Supplementary examples and applications (1 lecture)
14. .补充示例和应用 (1 课时)
15. Adstonal topics and applications, further readings (2 lectures)
16. 主题和应用, 进一步阅读 (2 课时)

18. 教材及其它参考资料 Textbook and Supplementary Readings

1. Advanced Probability notes by XIONG JIE

课程评估 ASSESSMENT

19. 评估形式 Type of Assessment	评估时间 Time	占考试总成绩百分比 % of final score	违纪处罚 Penalty	备注 Notes
出勤 Attendance				
课堂表现 Class Performance				
小测验 Quiz				
课程项目 Projects				

平时作业 Assignments				
期中考试 Mid-Term Test				
期末考试 Final Exam				
期末报告 Final Presentation	教学周最后一周	100	Fail	
其它（可根据需要 改写以上评估方 式） Others (The above may be modified as necessary)				

20. 记分方式 GRADING SYSTEM

- A. 十三级等级制 Letter Grading
- B. 二级记分制（通过/不通过） Pass/Fail Grading

课程审批 REVIEW AND APPROVAL

21. 本课程设置已经过以下责任人/委员会审议通过
This Course has been approved by the following person or committee of authority