

课程大纲

COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	MAT7067 分析专题 MAT7067 Topics in Analysis
2.	课程性质 Compulsory/Elective	选修 elective
3.	课程学分/学时 Course Credit/Hours	3
4.	授课语言 Teaching Language	英文 English
5.	授课教师 Instructor(s)	刘博辰副教授；苏琳琳助理教授 Associate Prof. Bochen Liu; Assistant Prof. Linlin Su
6.	是否面向本科生开放 Open to undergraduates or not	是 yes
7.	先修要求 Pre-requisites	Undergraduate courses: MA301 实变函数, MA302 泛函分析 MA301 Real Analysis (Lebesgue theory), MA302 Functional Analysis
8.	教学目标 Course Objectives	
		<p>(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.)</p> <p>介绍分析方向的科研前沿结果, 给学生提出好的科研问题, 引导他们到一个活跃的、有发展前途的研究领域。 The course will expose the students to the research front of Analysis, and provide to them good research problems, leading them to an active and promising research field.</p>
9.	教学方法 Teaching Methods	
		<p>(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.)</p> <p>以教师授课为主, 有课堂讨论, 全班学生分成几个小组, 每个小组做一个科研性质的项目并做演讲。 Lectures by instructors, in-class discussions, students will be asked to do group projects of research nature and then make presentations.</p>
10.	教学内容 Course Contents	
		<p>(如面向本科生开放, 请注明区分内容。 If the course is open to undergraduates, please indicate the difference.)</p> <p>教学内容将是授课教师自己的科研成果以及其他学者的有关结论, 整个课程在特定的学期里有一个主旋律。因而内容随授课人的变化而变化, 不同学期讲授的内容也会不同。 The course will be centred on the instructor's own research results, plus other researchers' related results. Therefore, the whole course in a fixed semester has a theme/focus and the content of this course will vary from instructor to instructor, and from time to time.</p>
11.	课程考核 Course Assessment	

(① 考核形式 Form of examination; ②. 分数构成 grading policy; ③ 如面向本科生开放, 请注明区分内容。
If the course is open to undergraduates, please indicate the difference.)

The semester grade will be given according to performance in in-class discussions (50%) and in group projects and presentations (50%).

12. 教材及其它参考资料

Textbook and Supplementary Readings

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