

课程大纲

COURSE SYLLABUS

1.	课程代码/名称 Course Code/Title	MAT7072 群论专题 Topics in Group Theory
2.	课程性质 Compulsory/Elective	选修, Elective
3.	课程学分/学时 Course Credit/Hours	3/48
4.	授课语言 Teaching Language	根据学生的情况可以是英文、中文或者两者相结合。
5.	授课教师 Instructor(s)	李才恒教授等
6.	是否面向本科生开放 Open to undergraduates or not	是 Yes
7.	先修要求 Pre-requisites	(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.) 由授课者根据所选专题决定 Required by the instructor according to the selected topic. 无
8.	教学目标 Course Objectives	(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.) 介绍群论科研前沿结果, 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 Group Theory, and provide to them good research problems, leading them to an active and promising research field.
9.	教学方法 Teaching Methods	(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.) 教师授课, 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(group project) 并做演讲。 Teaching Method: lectures by instructors, in-class discussions, students will be asked to do group projects of research nature and then make presentations.
10.	教学内容 Course Contents	(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.)
	Section 1	教学内容将由授课教师根据所选专题决定: 专题是群论中的重要前沿内容, 结合授课老师自己的科研成果及其他人的有关结论, 使得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 centered on the instructor's own research results, plus other researchers' related results, so that the whole course in a fixed semester has a theme/focus. Thus the content of the course will vary from

	instructor to instructor, and time to time.
Section 2	
Section 3	
Section 4	
Section 5	
Section 6	
Section 7	
Section 8	
Section 9	
Section 10	
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11. 课程考核 Course Assessment	
	<p>(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.)</p> <p>主要由授课老师根据所选专题决定考核方法, 建议由考试, 课堂参与和小组项目及其演讲的表现等方法组成。</p>
12. 教材及其它参考资料 Textbook and Supplementary Readings	
	授课者选择课本, 加上授课者自己的科研文章及有关的科研文章。