Course Description

Department of Mathematics

	Area 麻煩老師勾選類別,或直接填寫 。
Nature of the course ☐ required	□代數與數論 □分析 ■幾何與拓樸 □計算與應用數學
	□機率 □統計 □離散數學 □其他 □論文研討、獨立研究
Calculus Calculus A	
Course number	Section number
Course title 課程名詞	海:代數幾何專題, Topics in Algebraic Geometry
Instructor 教授: 陳榮凱	
I. *Contents:	
1. Classical minimal model problem	
2. Singularities in minimal model problem	
3. Resolution of singularities	
II. Course prerequisite:	
Algebraic curves, algebraic surfaces, algebraic geometry.	
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III. *Reference material (textbook(s)):	
Kollár & Mori: Birational Geometry of Algebraic Varieties	
Kollár: Lectures on Resolution of Singularities	
IV. *Grading scheme: 請填寫各項計分之百分比,例如:期中 30% 期末 40% 作業 10% 報告 20%,總計 100%	
Participation 10%	
Term Paper 50%	
Presentation 40%	
V. *Course Goal:	
We plan to introduce some advanced topics in algebraic geometry, which will lead student to current research interests. The topics includes minimal model program and its related topics and resolution of singularities.	

- 1. *號為必填欄位
- 2. 大綱內容字數英文最少 200 字以上