

Course Description

Department of Mathematics

Nature of the course <input type="checkbox"/> required <input checked="" type="checkbox"/> elective		Area 麻煩老師勾選類別，或直接填寫_____。 <input checked="" type="checkbox"/> Algebra <input type="checkbox"/> Analysis <input type="checkbox"/> Geometry <input type="checkbox"/> Statistics <input type="checkbox"/> Applied Mathematics <input type="checkbox"/> Discrete Mathematics <input type="checkbox"/> Others			
Calculus <input type="checkbox"/> Calculus A <input type="checkbox"/> Calculus B					
Course number	221 M0500	Section number		Number of credits	3
Course title	Seminar on Homological Algebra				
Instructor	Pjek-Hwee Lee [李白飛]				

I. * **Contents** :

Introduction. Hom and 麩. Projectives, injectives and flats. Particular rings. Group extensions. Homology. Ext and Tor. Son of particular rings. Cohomology of groups.

II. **Course prerequisite** :

221 M0500 Seminar on Module theory II

III. * **Reference material (textbook(s))** :

J.J. Rotman, Notes on Homological Algebra.

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%
Regular Presentation 100%

V. **Others** :

VI. * **Course Goal** :

A brief introduction to Homological Algebra.

請確認內容無誤後簽名，
再擲回助理室(201-1 室)
謝謝。

簽名：

日期：

1. * 號為必填欄位
2. 大綱內容字數英文最少 200 字以上