

## 課程大綱及進度表

開課系所	碩一二
開課學年	100
開課學期	1
課程名稱(中文)	分析通論(一)
課程名稱(英文)	GENERAL ANALYSIS (1)
課程碼	L150310
分班碼	
先修科目或先備能力	Advanced Calculus
學分數	3
開課教師	李國明
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電話	65130
Office Hours	By Appointment
課程概述	Basic elements of measure and Lebesgue integration
教學目標	This course is an introduction to the theory of Lebesgue Integration.

授課課程大綱明細	<p>1. Real number system (3-4 weeks) Real numbers, sets, sequences and functions</p> <p>2. Lebesgue measure (4 weeks) Outer measure, sigma algebra, Measurable sets, Cantor sets</p> <p>3. Measureable functions(2 weeks) Measurable functions</p> <p>4. Lebesgue Integration (7-8 weeks) General Lebesgue integration theory and convergence theorems</p>
參考書目	Royden, Real Analysis, 4ed. 2010
課程要求	課程包涵課堂講授部分及習題部分
評量方式	期中考試(筆試)佔 40% , 期末考試(口試)佔 60%

課程網址	
助教資訊	
備註	