朝陽科技大學 093學年度第1學期教學大綱
Mathematics for Life Insurance 壽險數理

當期課號	3236	Course Number	3236
授課教師	蘇真慧	Instructor	SU,CHEN HUI
中文課名	壽險數理	Course Name	Mathematics for Life Insurance
開課單位	保險金融管理系(四進)四A	Department	
修習別	選修	Required/Elective	Elective
學分數	3	Credits	3
課程目標	1. 運用統計學及微積分之基礎，建構成壽險數理之基本架構，介紹精算數學中最基礎的計算原理，讓學生了解精算數理在保險中的重要性 2. 使學生能熟悉人壽保險的數理計算，進而考取專業證照 3. 使學生具保險金融從業人員之專業態度 4. 可做爲學生未來進修之基礎	Objectives	1. Foundation of statistics and calculus establishes basic structure of life insurance mathematics. The most fundamental calculation principle in actuary makes students understand importance of actuary in insurance. 2. Enabling studentsto be familiar with mathematics for life insurance to obtain professional certificates. 3. Enabling students to have professional attitudes in insurance and finance industry. 4. Serving as studentsfoundation on future study.
教材	Actuarial Mathematics, 1997ed., Newton L. Bowers著, 巨擘書局	Teaching Materials	
成績評量方式	平時成績：20% 期中考：40% 期末考：40%	Grading	Quiz: 20% Midterm Exam: 40% Final Exam: 40%
教師網頁			
教學內容	本課程爲涵蓋壽險精算的進階課程，課程內容包括保險與效用、生存函數與生命表、連續型壽險保費的計算、連續型壽險準備金的計算與連生保險等。	Syllabus	The purpose of this course is to provide students more advance knowledges in life insurance actuarial science, including insurance and utility, survival function, life insurance premium and reserve calculation in continuous models, joint-life insurance premium calculation, etc.

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