朝陽科技大學 097學年度第1學期教學大綱
Mathematics for Insurance 保險數學

當期課號	1338	Course Number	1338
授課教師	蘇真慧	Instructor	SU,CHEN HUI
中文課名	保險數學	Course Name	Mathematics for Insurance
開課單位	保險金融管理系(四日)三A	Department	
修習別	必修	Required/Elective	Required
學分數	3	Credits	3
課程目標	1. 本課程以介紹人壽保險的數理計算爲主，由保險費的計算基礎開始，進而介紹實務上如何計算保險費、責任準備金、解約金等，搭配壽管人員考題解說，不管對於觀念的釐清及考證照都有很大的幫助 2. 使學生能熟悉保險數理之計算，進而考取證照 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. The main focus is to introduce mathematic calculation inline insurance from basis of life insurance premium to how it is calculated in practice. We make students understand policy reserve and surrender value along with explanations on questions of life insurance management personnel. The knowledge help a lot in clarifing ideas and obtaining certificates. 2. Enabling students to be familiar with calculation of mathematics for insurance and then obtain certificates. 3. Enabling students to have professional attitudes in financial industry. 4. Serving as students' foundation of further study.
教材	壽險數理實務,三版,徐璧君,華泰文化事業 壽險數理要義,四版,鄭榮治,華泰文化事業	Teaching Materials	Life insurance mathematics
成績評量方式	平時成績:25%; 期中考: 35%; 期末考: 40%	Grading	quiz: 25%, mid-term:35%, final exam: 40%
教師網頁	http://www.cyut.edu.tw/~chsu		
教學內容	1. 保險費的計算基礎 2. 純保費與總保費的計算 3. 責任準備金與修正制責任準備金 4. 解約金的計算	Syllabus	1. Basic theory of interests 2. Calculations of pure premium and gross premium 3. Calculations of reserves and modified reserves 4. non-forfeiture values

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