

理学院（数学与应用数学专业）课程简介

课程编号：1713001170

课程名称：保险精算

学分/学时：3/48

先修课程：概率论基础/统计学基础

适用专业：数学类专业

课程性质：限选

教材：李秀芳 曾庆五 编著. 保险精算（第三版）. 中国金融出版社, 2015 年

主要参考书：王燕 编著. 寿险精算学（第二版）. 中国人民大学出版社, 2014 年

内容简介：《保险精算》是运用数学、概率统计学原理以及多种金融模型对保险业中各种风险因素进行分析预测的学科。它是集精算学、风险分析基本技能和保险实务为一体的一门保险专业课程。课程主要内容包含利息理论、生命表基础、寿险精算现值、年金精算现值、分期纯保费及寿险责任准备金。这些理论知识为学生今后从事保险工作奠定扎实的数理精算基础。

Course Description

School of Science Faculty

Course Code: 1713001170

Course Name: Insurance Actuary

Credit/Hours: 3/48

Textbooks: Li Xiufang, Zeng Qingwu, Insurance Actuary. Press of China Finance, 2015

Reference Books: Wang Yan, Actuarial Mathematics in Life Insurance. Press of Renmin University of China, 2014

Course Description: INSURANCE ACTUARY is a course that uses mathematics, probability statistics and a variety of financial models to analyze and predict various risk factors in the insurance industry. It is a collection of Actuarial Science, the basic skills of risk analysis and insurance practice as one of the insurance professional courses. The main contents of the course include interest theory, life tables, actuarial present value of life insurance, actuarial present value of annuity, installment premium and life insurance liability reserve. This theoretical knowledge is for students to engage in insurance work in the future to lay a solid foundation of mathematical actuarial.