概率论与数理统计课程介绍

一、中文简介：

　　本课程是大学本科生的一门重要的基础课程。本课程以研究"随机现象"的数量规律为主线，其主要内容有：事件与概率；随机变量及其分布；随机变量的数字特征；大数定律和中心极限定理；统计量及抽样分布；参数的点估计与区间估计；参数的假设检验及概率分布的拟合检验；方差分析与回归分析。

二、英文简介：

　　This is an important basic course for undergraduate students. The main theme of the subject is the study of the quantitative patterns of "random phenomena", including events and probability, random variables and their distributions, the numeric characters of random variables, the law of large numbers, and the central limit theorem, statistical quantities and sampling distribution, the point estimation and interval estimation of parameters, the hypothesis testing of parameters and the fitting testing of probability distribution, variance analysis and regression analysis.