《应用多元统计分析（英语）》课程简介

Applied Multivariate Statistical Analysis

课程代码：151393B **Course Code：151393B**

课程名称：应用多元统计分析（英语） **Course Name：**Applied Multivariate Statistical Analysis

学时：48 **Periods：48**

学分：3 **Credits：3**

考核方式：考查 **Assessment：**Assignment

先修课程：高等代数、概率论、数理统计 **Preparatory Courses：**Advanced algebra，Probability Theory and Mathematics Statistics

多元统计分析是数理统计学的一个重要分支，它的研究对象是多个随机变量组成的随机向量。本课程讲授经典的多元统计分析方法，对于金融学专业来说，要求掌握各个方法的基本原理与算法，并且学会使用统计软件实现计算。本课程使得学生在掌握多元分析基础理论和方法的同时，能够对多变量的实际问题进行数据处理分析应用。本课程在传授学生知识的同时，还注重培养学生社会主义价值观、高尚的职业道德和崇高的爱国情怀。本课程为双语教学。

Multivariate statistical analysis is an important branch of mathematical statistics, and its object is a random vector consisting of multiple random variables. This course teaches the classical multivariate statistical analysis method. For finance majors, the basic principles and algorithms of each method are required, and the statistical software is used to realize the calculation. The students are able to analyze the practical problems of multiple variables while mastering the basic theories and methods of multivariate analysis. Along with imparting academic skills to students, this course also serves the purpose of cultivating them socialist values, imbuing them with noble professional ethics and stimulating patriotism. This course is bilingual.