《金融大数据分析》课程中英文简介

Financial Big Data Analysis

课程代码：2121503B **Course Code：**2121503B

课程名称：金融大数据分析 **Course Name：**Financial Big Data Analysis

学时：48 **Periods：**48

学分：3 **Credits：**3

考核方式：考查 **Assessment：**Assignment

先修课程：量化分析方法与实践、投资学、 **Preparatory Courses：**Quantitative Analysis

数据分析理论与实践(双语)、金融学、 Method and Practice, Investment, Theory and

统计学 Practice of Data Analysis（Bilingual）, Finance,

Statistics

《金融大数据分析》是为了培养适应大数据时代发展需要的金融管理人才而开设的课程。通过本课程学习，学生能够了解金融大数据的来源，以及采集、传输、处理、分析和应用的完整相关技术，掌握Python的基础语言知识和大数据分析方法，探索大数据分析工具在金融风险管理领域和资产投资等领域的应用。教学过程中，为学生进一步学习和掌握金融大数据分析方法，结合上机实验的实践环节，综合培养学生思维和实践动手能力。

本课程是一门培养学生掌握相关技术能够独立进行金融大数据分析和应用的实践性较强的课程，它不但阐述了金融大数据分析的相关原理和方法，还结合开发语言Python和相关工具，培养学生针对大数据能够进行完整的数据采集、处理、分析和应用开发的完整能力。

The course of “Financial Big Data Analysis” aims to cultivate financial management professionals who can meet the needs of Big Data time. Through learning this course, students may know the source of financial big data, intact technology related to collection, transmission, processing, analysis and application of big data, and enable them master basic language and principles of big data analysis and further explore applications of big data analysis in the field of financial risk management and asset investment. In the process of teaching, to make students further study and master the technology of big data analysis, this course combines laboratory experiments to comprehensively cultivate their thinking and practical abilities.

This course is very strong practical, which mainly focuses on cultivating students to master related technology to independently make financial big data analysis and applications. It not only states principles and means of financial big data analysis, but also combines the development language of Python and related tools to cultivate students’ intact abilities of data collection, processing, analysis and applications for financial big data.