《Python数据分析》课程中英文简介

Python Data Analysis

课程代码：2121252B **Course Code：**2121252B

课程名称：Python数据分析 **Course Name：**Python Data Analysis

学时：32 **Periods：**32

学分：2 **Credits：**2

考核方式：考查 **Assessment：**Examination

先修课程：Java、运筹学 **Preparatory Courses：**Java，Operations Research

《Python数据分析》是工业工程专业学生的一门专业选修课。该门课程介绍了Python语言的基本语法、函数、数据结构等内容，以及Python数据结构与画图扩展包的应用，同时讲授采用Python实现运筹优化模型的构建求解、数据挖掘算法的实现；培养训练了学生的算法能力，为物流工程、供应链优化等课程提供了方法论及技术手段。

《Python Data Analysis》 is an core course for undergraduate students who major in the Industrial Engineering. The course introduces introduces the basic syntax, function, data structure and other contents of Python language, as well as the application of Python data structure and drawing extension package. Meanwhile, it teaches the construction and solution of operation research optimization model and the realization of data mining algorithm by using Python.It has trained students' algorithm ability, and provided methods and technical means for logistics engineering, supply chain optimization and other courses.