《大数据分布式应用》课程中英文简介

Application of Distributed Computation and Big Data

课程代码：2121473B **Course Code：**2121473B

课程名称：大数据分布式应用 **Course Name：**Application of Distributed Computation

and Big Data

学时：48 **Periods：**48

学分：3 **Credits：**3

考核方式：考查 **Assessment：**Assignment

先修课程：面向对象程序设计、 **Preparatory Courses：**Object-Oriented Programming

计算机网络技术与应用 Design, Techniques and Applications of Computer

Networking

《大数据分布式应用》是立足于大数据时代为信息管理与信息系统（商务智能）专业开设的专业课程。通过本门课程的教学，使学生能将大数据分布式技术应用于科研和工作中；了解大数据概念、并行计算、分布式计算、云计算和大数据计算等技术及其应用；探索如何应用大数据技术挖掘数据中所蕴含的潜在价值。教学过程中，注重理论与实践相结合；在夯实学生理论的基础上，通过案例教学和上机实践，使学生切实体会到大数据技术的价值，以及数据中潜在价值的挖掘和使用，为大数据时代科学数据管理决策服务。

本课程是一门理论和实践都非常重要的专业课程，它阐述了并行计算、分布式计算、云计算和大数据计算的相关概念和特征，以及相关关键技术。课程主要内容包括大数据概念、并行计算关键技术与应用、分布式计算关键技术与应用、云计算关键计算与应用和大数据计算及应用等内容。

"Application of Distributed Computation and Big Data" is a course of information management and information system (Business Intelligence) major in the era of big data. This course can make undergraduates apply big data distributed technology to scientific research and work; understand big data technologies such as parallel computing, distributed computing, cloud computing and big data computing and their applications; explore how to apply big data technology to mine the potential value of data. In the process of teaching, we should pay attention to the combination of theory and practice. On the basis of theory, case teaching and computer practice are applied to help students to realize the value of big data technology, and to excavate the potential value of data for scientific management and decision in big data era.

This course is a very important professional course in theory and practice. It describes the related concepts and characteristics of parallel computing, distributed computing, cloud computing and big data computing, as well as related key technologies. The main content of the course includes the key technology and application of parallel computing, distributed computing, cloud computing, and big data computing etc.