《分析型大数据系统》课程中英文简介

Analytical big data system

课程代码：071593B **Course Code：**071593B

课程名称：分析型大数据系统 **Course Name：**Analytical big data system

学 时：48 **Periods：**48

学 分：3 **Credits：**3

考核方式：考查 **Assessment：**Assignment

先修课程：数据结构、 **Preparatory Courses：**Data structure, Database

数据库原理与应用、数据科学导论 principle and application,

Introduction to data science

《分析型大数据系统》是为数据科学与大数据技术专业（信息技术）开设的专业核心课程。通过本门课程的教学，使学生对分析型大数据系统的基本概念和基础理论有系统的理解，掌握分析型大数据系统的基本操作、应用的基本技术以及数据库技术的最新发展，为学生增强理论基础，为后续课程学习及将来从事分析型大数据系统的设计、开发、应用及相关理论、实践研究奠定坚实的基础。

本课程是一门专业核心课程，它系统介绍了非关系型数据库的基本原理、特点以及主要的实现方法；通过使用MongoDB进行相关数据操作等，掌握如何用主流软件完成大数据挖掘建模及分析任务。

Analytical big data system is a professional core course for big data direction. Through the teaching of this course, students have a systematic understanding of the basic concepts and basic theory of analytical big data system, master the basic operation of analytical big data system, the basic technology of application and the latest development of database technology, to strengthen the theoretical basis for students, for the following course learning and engaged in the design, development, application and related theory and practice of analytical big data system in the future to lay a solid foundation.

This course is a professional core course, it systematically introduces the basic principles, characteristics and main implementation methods of non-relational database; Through the use of MongoDB related data operations, master how to use mainstream software to complete the big data mining modeling and analysis tasks.