《面向对象程序设计》课程中英文简介

Object-oriented Programming

课程代码：072114A **Course Code：**072114A

课程名称：面向对象的程序设计 **Course Name：**Object-oriented Programming

学时：64 **Periods：**64

学分：4 **Credits：**4

考核方式：考试 **Assessment：**Examination

先修课程：程序设计基础与应用 **Preparatory Courses：**Foundation and Application of Programming

《面向对象程序设计》是计算机科学与技术专业本科生的学科基础课。本课程以Java语言为背景，介绍面向对象的基本概念、面向对象程序设计的基本方法，以及Java语言的各种基本特性及相关的编程技术。通过学习该课程，学生可以初步建立面向对象程序设计的思维方式，掌握Java程序设计的基本方法和技术，并能够开发一些简单的相关领域的应用程序。本课程的教学内容主要包括Java程序开发环境、数据类型与数据运算、Java语句、字符串和数组、类和对象、继承、接口与包、例外处理、线程与同步等。本课程的实践性较强，学生需要通过大量的编程实践，具备Java语言面向对象程序设计以及解决具体问题的能力。

"Object-oriented Programming" is a basic course for undergraduates majoring in computer science and technology. Based on Java language, this course introduces the basic concepts of object-oriented, the basic methods of object-oriented programming, and various basic features and related programming technologies of Java language. By studying this course, students can establish the thinking mode of object-oriented programming, master the basic methods and technologies of Java programming, and develop some simple applications. This course includes Java program development environment, data types and data operations, Java statement, strings and arrays, classes and objects, inheritance, interfaces and packages, exception handling, thread and synchronization, and so on. This course is highly practical, and students need to have the ability of java object-oriented programming and solving specific problems through a large number of programming practices.