《互联网开发-Java Web全栈技术》课程中英文简介

Developing for Website（Full Stack Techniques of Website with Java）

课程代码：071283B **Course Code：**071283B

课程名称：互联网-Java Web全栈技术 **Course Name：**Developing for Website  
（Full Stack Techniques of Website with Java）

学时：48 **Periods：**48

学分：3 **Credits：**3

考核方式：考查 **Assessment：**Inspection

先修课程：面向对象程序设计与开发、 **Preparatory Courses：**Object-oriented

数据库原理与应用、 Programming and Developing,

Web前端编程 Principle and Application of Database,

Programming for Front-end Website

《互联网开发-Java Web全栈技术》是计算机科学与技术专业本科生的专业选修课。本课程以Java技术为背景，介绍Web应用的概念以及相应的开发技术与方法。通过本课程的教学，可以使学生了解动态网页和Web应用的相关概念、运行环境和原理，掌握Java服务器端的相关技术和编程技能，以及网站和Web应用的开发方法和相关技术。本课程教学内容主要Java Web应用的开发环境和运行环境、Servlet编程、JSP编程、JavaBean、JDBC及其应用、JPA编程、表单处理及会话管理、EJB编程、RESTful Web服务、使用Ajax与jQuery等。本课程的实践性较强，学生需要通过大量的上机实践，以建立Java Web应用的设计与开发能力。

"Developing for Website（Full Stack Techniques of Website with Java）" is the major elective course for undergraduate students majored in computer science and technology. This course is based on Java technology, introduces the concept of Web application and the corresponding development techniques and methods. Through the teaching of this course, students can understand the related concepts, running environment and principle of dynamic web pages and Web application, master the Java server-end related technologies and programming skills, as well as the development methods and related technologies of website and Web applications. This course mainly includes Java Web application developing and running environment, Servlet programming, JSP programming, JavaBean, JDBC and its application, JPA programming, form processing and session management, EJB programming, RESTful Web services, Using Ajax and JQuery. The practicality of this course is strong; students need do a lot of practice to require the ability of design and development of Java Web application.