《软件工程》课程中英文简介

Software Engineering

课程代码：071253A **Course Code：**071253A

课程名称：软件工程 **Course Name：**Software Engineering

学时：48 **Periods：**48

学分：3 **Credits：**3

考核方式：考试 **Assessment：**Examination

先修课程：数据库原理、程序设计、 **Preparatory Courses：**Principle of Database

操作系统 、计算机网络 System、Programme Design、Operation

System、Computer Network

《软件工程》是计算机科学与技术专业本科生的一门专业必修课程。本课程从软件工程的角度出发，系统地介绍信息系统开发的概念、理论、技术和方法。主要内容包括软件工程的基本概念，软件系统规划、软件系统分析、软件系统设计、软件系统实施、软件系统运行和维护各阶段的任务和实现方法。通过本课程的学习，不仅要使学生了解软件工程的基本概念，理解软件开发过程，掌握软件开发方法，掌握软件项目实施管理中的各种工具，为开发信息系统准备必要的理论知识；另一方面，也要使学生掌握从事各类信息系统建设和信息系统管理的专业技能，为学生毕业后从事信息系统研究、开发和管理实际工作打下良好的基础。

" Software Engineering " is one of required courses of computer science and technology major. From an engineering point of view, it gives a systematic introduction to information systems development concepts, theories, techniques and methods. The main contents include the basic concepts of Software Engineering, Software system planning, Software system analysis, system design, Software system implementation, Software system operation and maintenance of all phases of the task and implementation methods. Through studying this course, students not only can understand the basic concepts of Software Engineering, understand Software Engineering development process, access to information system development methods, access to information systems project management tools for the development of information systems to prepare the necessary theoretical knowledge ; on the other hand, they should enable and master all the types of information system construction and information systems management, professional skills; and simultaneously, the course will help students lay a good foundation of making information system research, development and management of real work.