《计算智能与模式识别》课程中英文简介

Computational Intelligence and Pattern Recognition

课程代码：2121313B **Course Code：**2121313B

课程名称：计算智能与模式识别 **Course Name：**Computational Intelligence and

Pattern Recognition

学时：48 **Periods：**48

学分：3 **Credits：**3

考核方式：考查 **Assessment：** Check

先修课程：数据结构；数字信号处理 **Preparatory Courses：**Data Structure; Digital

Signal Processing

《计算智能与模式识别》是为计算机科学与技术专业而开设的本科生课程。本课程着重讲述计算智能和模式识别的基本概念，基本方法和算法原理，注重理论与实践紧密结合，通过大量实例讲述如何将所学知识运用到实际应用之中去，避免引用过多的、繁琐的数学推导。这门课的教学目的是让学生掌握计算智能和模式识别基本原理和方法，使学生具有初步综合利用数学知识深入研究有关信息领域问题的能力。

"Computational Intelligence and Pattern Recognition" is an undergraduate course for computer science and technology majors. This course focuses on the basic concepts, basic methods and algorithm principles of computational intelligence and pattern recognition, pays attention to the close combination of theory and practice, and describes how to apply the learned knowledge to practical application through a large number of examples, so as to avoid excessive and tedious mathematical derivation. The teaching purpose of this course is to enable students to master the basic principles and methods of computational intelligence and pattern recognition, so that students have the ability to make preliminary comprehensive use of mathematical knowledge to deeply study the problems in the field of information.