《智能决策理论与方法》课程中英文简介

Intelligent Decision Theory and Method

课程代码：2121262B **Course Code：**2121262B

课程名称：智能决策理论与方法 **Course Name：**Intelligent Decision Theory and Method

学时：32 **Periods：**32

学分：2 **Credits：**2

考核方式：考查 **Assessment：**Test

先修课程：概率论和数理统计、 **Preparatory Courses：**Probability theory and Mathematics

Python机器学习 Statistics， Python Machine Learning

《智能决策理论与方法》是为工业工程专业而开设的课程。通过本门课程的教学，使学生毕业后能迅速适应社会各行业的智能管理决策工作；了解相关理论和方法，探索它们在实际工作中的应用。教学过程中，着重培养具有较高的从事智能决策的专业实务技能，为学生进一步学习工业工程领域相关知识和以后从事服务业等其它管理工作打下必要的基础。

本课程是一门工业工程专业提升课程，它阐述了如何人工智能相关理论方法，融合传统的决策数学模型和方法而产生的具有智能化推理和求解的决策方法，课程内容包括知识发现、粗糙集理论、机器学习等。

“Intelligent Decision Theory and Method” is a course for industrial engineering. Through the teaching of this course, students can quickly adapt to the intelligent management and decision-making work of various industries after graduation; understand the relevant theories and methods, and explore their application in practical work. In the process of teaching, it focuses on training students with high professional practical skills in intelligent decision-making, so as to lay the necessary foundation for students to further learn the relevant knowledge in the field of industrial engineering and engage in other management work such as service industry in the future.

This course is a professional upgrading course of industrial engineering. It describes how to integrate the relevant theories and methods of artificial intelligence with traditional decision-making mathematical models and methods to produce decision-making methods with intelligent reasoning and solution. The course content includes knowledge discovery, rough set theory, machine learning, etc.