《高级运筹学》课程中英文简介

Advanced Operations Research

课程代码：2121182A **Course Code：**2121182A

课程名称：高级运筹学 **Course Name：**Advanced Operations Research

学时：32 **Periods：**32

学分：2 **Credits：**2

考核方式：考试 **Assessment：**Examination

先修课程：高等数学、线性代数 **Preparatory Courses：**Higher Mathematics、Linear Algebra、Management Operations Research I

《高级运筹学》是工业工程专业学生的一门必修课。该门课程介绍了管理运筹学中网络计划技术，排队论，决策论，对策论和存储论的理论知识及其在管理学中的应用；并介绍了如何利用运筹学相关软件进行案例分析；为后续物流工程、供应链优化技术及智能决策理论与方法等课程提供方法论及技术手段。

“Advanced Operations Research” is an core course for undergraduate students who major in the Industrial Engineering. The course introduces the basic theory of network planning, queuing theory, decision making theory, game theory and inventory control and their applications in management. The course also demonstrates how to use OR related software to do the case study. The course can provide the basic methodology and technique for the following course of logistics engineering, supply chain optimization technique, and intelligent decision theory and method.