《风险管理与控制》课程中英文简介

Risk Management and Control

课程代码：081322B **Course Code：**081322B

课程名称：风险管理与控制 **Course Name：**Risk Management and Control

学时：32 **Periods：**32

学分：2 **Credits：**2

考核方式：考查 **Assessment：**Test

先修课程：微积分、概率论与数理统计 **Preparatory Courses：**Calculous、

Probability & Statistics

《风险管理与控制》是为工业工程本科高年级学生而开设的课程。通过本门课程的教学，使学生掌握风险识别、风险评价、风险应对与风险监控等内容；系统地学习、掌握风险情景构建、风险测量与分析、安全栅与安全栅分析等方法；掌握风险管理与控制技术，应用于工程实际，为学生在工业工程领域开展风险管理工作打下牢固基础。

本课程是一门专业选修课程，它系统地阐述了风险分析的术语、风险分类、风险测量与评价、风险管理过程、事故模型、安全栅分析、人因可靠性分析、不确定性与敏感分析等风险建模、评估与管理等方面的内容。

"Risk Management and Control" is a course for undergraduates of industrial engineering. Through the teaching of the course, students could master the risk identification, risk assessment, risk response, risk monitoring and other content; systematically learn to grasp the risk scenario construction, risk measurement and analysis, safety barrier and safety barrier analysis and other methods; And control technology, applied to engineering practice, for students in the field of industrial engineering risk management work to lay a solid foundation.

This course is a professional elective course which systematically expounds the terms of risk analysis, risk classification, risk measurement and evaluation, risk management processes, accident models, safety barrier analysis, human reliability analysis, uncertainty and sensitivity analysis Such as risk modeling, assessment and management.