《建模与仿真》课程中英文简介

Modeling and Simulation

课程代码：081182B **Course Code：**081182B

课程名称：建模与仿真 **Course Name：**Modeling and Simulation

学时：32 **Periods：**32

学分：2 **Credits：**2

考核方式：考查 **Assessment：**Test

先修课程：程序设计基础(JAVA) **Preparatory Courses：**Foundation of Programming Design (JAVA)

《建模与仿真》是工业工程专业学生的一门必修课。该门课程介绍了：系统建模与仿真的基础理论；基于离散事件的建模方法；基于系统动力学的建模方法；基于智能体的建模方法；行人建模方法；以及针对实际系统基于Anylogic仿真软件的建模与仿真应用。

“Modeling and Simulation” is an core course for undergraduate students who major in the Industrial Engineering. The course introduces basic theory of system modeling and simulation, modeling method based on discrete event, modeling method based on system dynamics, modeling method based on agent, pedestrian modeling method, and modeling and simulation application based on AnyLogic simulation software for actual system.