《人因工程》课程中英文简介

Human Factors Engineering

课程代码：081522B **Course Code：** 081522B

课程名称：人因工程 **Course Name：**Human Factors Engineering

学时：32 **Periods：**32

学分：2 **Credits：**2

考核方式：考查 **Assessment：**Test

先修课程：无 **Preparatory Courses：**None

《人因工程》是环境工程专业的一门专业选修课，课程旨在让学生从生产和管理系统优化角度掌握有关人因工程的思想、理论和方法。课程教学主要介绍系统设计中人的因素的重要性，并以人的工作优化为目标，介绍与人有关的环境、工具、设备、任务、系统、作业空间的合理设计问题。主要教学内容包括：人因工程学概述、人的因素、作业环境、人的作业效能、人体测量与作业空间设计、人机系统、人机界面设计、劳动安全事故预防。

在传授专业知识的过程中，明确将专业性职业伦理操守和职业道德教育融为一体，给予学生正确的价值取向引导，以此提升学生的思想道德素质和情商能力。

"Human Factors Engineering" is a major elective course for the Environmental Engineering. The purpose of this course is to let students understand the thought, theory and method from the perspective of production and management system optimization. The highlights are to introduce the important of human factors in system design, and introduce the human related designs of environment, tools, equipment, task, system and workplace. The main contents of this course include human factors engineering introduction, human factors, workplace environment, human performance, anthropometric and workplace design, human-machine system, man machine interface design and labor safety and accident prevention.

In the process of imparting professional knowledge, we should clearly integrate professional ethics and professional ethics education, and give students correct guidance of value orientation, so as to improve students' Ideological and moral quality and emotional intelligence ability.