## 《安全检测与监控技术》课程中英文简介

Security Detection and Monitoring Technology

课程代码：080282A **Course Code：**080282A

课程名称：安全检测与监控技术 **Course Name：**Security Detection and Monitoring Technology

学 时：32 **Periods：**32

学 分：2 **Credits：**2

考核方式：考试 **Assessment：**Examination

先修课程：《普通物理》、《电工学》、 **Preparatory Courses：**General Physical、 Electric Engineering

《安全检测与监控技术》是安全工程专业一门重要的专业必修课，是指借助于仪器、传感器、探测设备迅速而准确地了解生产系统与作业环境中危险因素与有毒因素的类型、危害程度、范围及动态变化的一种手段。其主要目的是使学生应具有一定的安全监测与监控系统方面的基本知识和基本技能，能够进行现场的安全监测监控施工和设计；能熟悉各类监测监控系统及各类传感器的构造、工作原理与应用；能够分析和使用各种常用安全检测仪表及监测系统的能力；能熟悉有毒有害、可燃性、爆炸性气体及温度的检测方法。

"Security detection and monitoring technology " is an important professional compulsory course, means to instrument, sensor, detection equipment quickly and accurately understand the types, production system and the operation environment factors and toxic factors of damage degree, range and the dynamic changes of a means of. Its main purpose is to make the students should have a basic knowledge of safety monitoring and control system of certain aspects and basic skills, can be used for on-site safety monitoring design and construction; be familiar with all kinds of monitoring and control system structure, working principle and application of sensor; be able to analyze and use ability of various common safety instrumentation and monitoring system; can familiar with toxic, flammable, explosive gas and temperature detection methods.