COURSE DETAIL

THE SMART FACTORY
Country Korea, South
Host Institution Seoul National University
Program(s) Seoul National University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Engineering
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title THE SMART FACTORY
UCEAP Transcript Title SMART FACTORY
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

This course covers concepts and characteristics required to build and operate a smart factory to improve manufacturing competitiveness. Students first learn about the composition and functions of the 4th Industrial Revolution and smart factories, then examine the general concept of factory automation and learn about the basic components of factory automation such as control systems and PLCs. The course covers functions of corporate information systems such as ERP, MES, APS, and PLM, and concepts of smart factory digital platforms and big data-based decision-making required for intelligent factory operation.

Language(s) of Instruction
Korean

Host Institution Course Number
M3502.014600 001

Host Institution Course Title
SMART FACTORY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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