COURSE DETAIL

AIR QUALITY IN CHANGING ENVIRONMENTS
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Civil Engineering
UCEAP Course Number 129
UCEAP Course Suffix
UCEAP Official Title AIR QUALITY IN CHANGING ENVIRONMENTS
UCEAP Transcript Title AIR QUALITY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides fundamental knowledge of dynamic atmospheric air quality in a changing world. The topics cover the effects of emission sources and pollutants, air quality assessment, atmospheric reactions of air pollutants, principles and implications of vertical mixing and transport of airborne pollutants, and air pollution control strategies and devices. This enables students to understand dynamic atmospheric processes and to identify air pollution issues associated with varied energy sources and economic development. Students also learn to assess air quality, quantify air pollutant levels, devise control strategies and recommend engineering solutions to enhance air quality.

Language(s) of Instruction
English

Host Institution Course Number
ESE3201

Host Institution Course Title
AIR QUALITY IN CHANGING ENVIRONMENTS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Civil and Environmental Engineering

Course Last Reviewed
2023-2024

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