

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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