

COURSE DETAIL

AIR POLLUTION, CLIMATE CHANGE, AND HEALTH

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Health Sciences Environmental Studies

UCEAP Course Number

117

UCEAP Course Suffix**UCEAP Official Title**

AIR POLLUTION, CLIMATE CHANGE, AND HEALTH

UCEAP Transcript Title

POLLUT/CLM CHNG/HLT

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course introduces the basic scientific knowledge about indoor and outdoor air pollution, as well as global and regional climate change, in relation to human health. It examines scientific research in this field and environment and health in international perspectives. Environment is of great significance to human health. Air pollution, both indoor and outdoor, is closely related with different health problems in different populations. Climate closely interacts with ambient air pollution and affects human health independently. Currently, global climate change has been observed and heat wave and cold wave has been reported to happen more frequently. In this course, the following questions are discussed: What air pollution is found in indoor and outdoor environments? What types of compounds form the pollution? Can they be measured? Do we know the level of different pollutants? How about the relationship between outdoor and indoor environments? Is it safer staying indoors if there high outdoor air pollution? Do we have any measures to prevent or lower the pollution level? What are the health effects of these pollutants? Do they affect our respiratory health, cardiovascular system or even our endocrine system? How about the current climate if compared with old times? Is there any change? How much it will affect our health?

Language(s) of Instruction

English

Host Institution Course Number

PHPM110050,GEEC20051

Host Institution Course Title

AIR POLLUTION, CLIMATE CHANGE AND HEALTH

Host Institution Course Details

Host Institution Campus

Fudan University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Public Health

Course Last Reviewed

2025-2026

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