

COURSE DETAIL

ATMOSPHERIC SCIENCE

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Earth & Space Sciences

UCEAP Course Number

42

UCEAP Course Suffix**UCEAP Official Title**

ATMOSPHERIC SCIENCE

UCEAP Transcript Title

ATMOSPHERIC SCIENCE

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces major atmospheric phenomena and their related basic concepts of atmospheric dynamics, optics, chemistry, thermodynamics, and meteorology.

Students examine atmospheric thermodynamics to describe changes in the state of water, atmospheric dynamics to describe the movement of air, photochemistry to determine the composition of the atmosphere, and the formation and radiation processes of aerosols and clouds. In addition, students acquire theoretical and experimental methods necessary to understand these complex processes and cultivate the ability to solve practical problems related to extreme weather.

Prerequisites: (Essential) Earth Environmental Science (1,2), Calculus (1,2). (Recommend) General Physics (1,2), General Chemistry (1,2)

Language(s) of Instruction

English

Host Institution Course Number

EAES209

Host Institution Course Title

ATMOSPHERIC SCIENCE

Host Institution Course Details

<https://sugang.korea.ac.kr/>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2025-2026

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