

COURSE DETAIL

SEISMOLOGY

Country

Korea, South

Host Institution

Korea University

Program(s)

Korea University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Earth & Space Sciences

UCEAP Course Number

115

UCEAP Course Suffix**UCEAP Official Title**

SEISMOLOGY

UCEAP Transcript Title

SEISMOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers Seismology, one of the main geophysical methods for studying the Earth. The course introduces fundamental concepts and basic theory of seismic waves, and then applies them to earthquakes, Earth structure, and plate tectonics. Practical exercises are provided in class labs and take-home assignments. Students build both physical intuition and basic skills for reading and using seismological data.

There are no formal prerequisites. However, students should be comfortable with basic calculus and introductory physics (e.g., derivatives and simple differential equations).

Language(s) of Instruction

English

Host Institution Course Number

EAES315

Host Institution Course Title

SEISMOLOGY

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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