COURSE DETAIL

GEOPHYSICS
Country Japan
Host Institution Tohoku University
Program(s) Engineering and Science
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Physics Earth & Space Sciences
UCEAP Course Number 130
UCEAP Course Suffix
UCEAP Official Title GEOPHYSICS
UCEAP Transcript Title GEOPHYSICS
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

This course covers the basics in geophysics, particularly the following three specific sub-areas: solid earth physics, fluid earth physics, and space physics.

(1) Solid Earth Physics: Selected topics from seismology, volcanology, and plate tectonics for the purpose of learning basic knowledge on the structure and dynamics of the solid Earth.

(2) Fluid Earth (atmosphere and ocean) Physics: Selected topics from meteorology, global warming, and physical climatology for the purpose of learning basic knowledge on climate change and related global environment problems.

(3) Space Physics: Selected topics from solar physics, interplanetary physics, magnetospheric physics, and upper atmospheric physics for the purpose of learning basic knowledge on the electromagnetic environment of the Sun, the Earth, and planets.

Language(s) of Instruction
English

Host Institution Course Number
N/A

Host Institution Course Title
GEOPHYSICS

Host Institution Course Details
https://www.insc.tohoku.ac.jp/english/wp-content/uploads/2024/04/VJ251S4.pdf

Host Institution Campus
Tohoku University

Host Institution Faculty

Host Institution Degree
Host Institution Department JYPE
Course Last Reviewed 2023-2024

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