COURSE DETAIL

EARTH AS SEEN BY SATELLITE
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Geography Earth & Space Sciences
UCEAP Course Number 26
UCEAP Course Suffix
UCEAP Official Title EARTH AS SEEN BY SATELLITE
UCEAP Transcript Title EARTH BY SATELLITE
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course examines current observational capabilities, present how satellite data can contribute to understanding the functions and interactions of Earth’s sub-systems (e.g., atmosphere, biosphere, cryosphere, and hydrosphere), and provide the application examples of environmental change at regional to global scales, such as forest disturbance, water quality, carbon emission, air/water/soil pollution, natural disasters, agricultural production. These are highly related to some crucial sustainability issues, so this course will, directly and indirectly, address multiple sustainable development goals (SDGs), including SDG 2 (Zero hunger), SDG6 (Clean water and sanitation), SDG 10 (Reduced inequalities), SDG11 (Sustainable cities and community), SDG13 (Climate action), SDG 14 (Life below water) and SDG15 (Life on land), in the 2030 Agenda for Sustainable Development set by the United Nations in 2015.

Language(s) of Instruction
English

Host Institution Course Number
CCST9083

Host Institution Course Title
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Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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