COURSE DETAIL

ENVIRONMENTAL CHALLENGES IN THE ANTHROPOCENE
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 121
UCEAP Course Suffix
UCEAP Official Title ENVIRONMENTAL CHALLENGES IN THE ANTHROPOCENE
UCEAP Transcript Title ENVRONMNTL CHALLENG
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The Anthropocene is a proposed new geological era based on the scientific evidence that human impacts on natural environmental processes now rival geological forces in influencing the trajectory of the planetary system. This course provides insight into contaminant transport and new complex physical interactions between human activities and natural processes. Major topics include energy fundamentals and need for new energy resources, depletion and contamination of natural resources (including minerals, groundwater, air), transport processes in the multimedia environment (advection, diffusion, dispersion, interphase mass transfer, reaction kinetics), as well as introduction to man-made climate change and its ecological and societal implications.

Language(s) of Instruction
English

Host Institution Course Number
ESE2001

Host Institution Course Title
ENVIRONMENTAL CHALLENGES IN THE ANTHROPOCENE

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Civil and Environmental Engineering

Course Last Reviewed
2022-2023

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