COURSE DETAIL

PAST CLIMATES: ICEHOUSE TO GREENHOUSE
Country
Host Institution
Program(s) University of Melbourne
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Earth & Space Sciences
UCEAP Course Number 114
UCEAP Course Suffix
UCEAP Official Title PAST CLIMATES: ICEHOUSE TO GREENHOUSE
UCEAP Transcript Title PAST CLIMATES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00
Course Description

This course explores the Earth’s past and present climates, from billion year to hundred year time scales. The course also deals with the wide range of causes of past climates and of climate change. Climate episodes discussed may include: Precambrian Snowball Earth, Gondwanan Glaciations, the Mesozoic Hothouse, global cooling over the last 20 million years and increasing aridity in Australia over the last 5 million years. Other topics include the record of regular Ice Age cycles, abrupt climate change, global and regional climate variability of the past 1000 years, and natural and human factors contributing to modern climate change. Climate ‘proxy’ records such as ice cores, tree rings, corals, sedimentary records and historical documents are used to identify more recent changes in the Australian region.

Language(s) of Instruction
English

Host Institution Course Number
ERTH20003

Host Institution Course Title
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Host Institution Course Details

Host Institution Campus
Melbourne

Host Institution Faculty

Host Institution Degree

Host Institution Department
Earth Science

Course Last Reviewed

Print