

COURSE DETAIL

ENVIRONMENTAL SYSTEM STUDIES: CLIMATE, SCIENCE, AND POLITICS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Political Science Environmental Studies

UCEAP Course Number

120

UCEAP Course Suffix**UCEAP Official Title**

ENVIRONMENTAL SYSTEM STUDIES: CLIMATE, SCIENCE, AND POLITICS

UCEAP Transcript Title

CLIMATE SCIENCE&POL

UCEAP Quarter Units

6.00

UCEAP Semester Units

Course Description

This course provides knowledge about the most important concepts in climate science and actors in the international climate policy debate and negotiations. To study climate issues from a systems analytical perspective where independent critical analysis of the interaction between science and policy is central. The primary focus of the course is on the description and analysis of the connections and interactions between science and policy/politics. Natural science and technological aspects such as radiation balance, coal balance, atmospheric science and meteorology, palaeoclimatology and climate modelling are reviewed. This includes greenhouse gases, warming potential, climate sensitivity, albedo, carbon sink, scenarios and carbon storage. Social science aspects include international relations and negotiations, climate politics and economy, including policy, burden sharing, cost-benefit analysis, technology transfer, system innovations, transitions and policy instruments. The course consists of lectures and seminars where the aspects are presented, discussed and related to each other. The literature provides background and deeper knowledge.

Language(s) of Instruction

English

Host Institution Course Number

FMIN05

Host Institution Course Title

ENVIRONMENTAL SYSTEM STUDIES: CLIMATE, SCIENCE, AND POLITICS

Host Institution Course Detailshttps://kurser.lth.se/kursplaner/19_20%20eng/FMIN05.html**Host Institution Campus**

Engineering

Host Institution Faculty

Host Institution Degree**Host Institution Department**

Engineering- Environmental and Energy Systems Studies

Course Last Reviewed

2020-2021

[Print](#)