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

4.00

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 Details
https://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

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