COURSE DETAIL

POPULATION AND CLIMATE CHANGE
Country Italy
Host Institution University of Bologna
Program(s) University of Bologna
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics Environmental Studies
UCEAP Course Number 139
UCEAP Course Suffix
UCEAP Official Title POPULATION AND CLIMATE CHANGE
UCEAP Transcript Title POPULATION&CLIMATE
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course is part of the Laurea Magistrale degree program and is intended for advanced level students. Enrolment is by permission of the instructor.

Climate change is no longer an abstract future threat. Human population is at the center of the climate system. A demographic perspective is hence critical for understanding, on the one hand, the impact of human activities on the global climate, and, on the other hand, the impacts of climate change on human population. Upon successful completing of this course, students have the knowledge and skills to: 1) demonstrate an understanding of how human population contributes to anthropogenic climate change taking into account demographic heterogeneity; 2) demonstrate an understanding of how anthropogenic climate change differentially affects human health, wellbeing and livelihoods; 3) critically evaluate and explain different scientific and statistical evidence employed to study the links between population dynamics and climate change; 4) conduct research through the consultation of academic literature and/or through the collection and analysis of data; 5) work in groups and develop class discussions. The course topics include:

- Introduction to population and climate change interactions
- Climate change and demographic heterogeneity (e.g. age, gender, education, income, locations)
- Population and energy consumption/carbon emissions
- Population, water, and food
- Climate change and health and mortality
- Climate change and family and fertility
- Climate change and migration
- Climate change and future population dynamics
- Date and methods for the study of population and climate change

Language(s) of Instruction
English

Host Institution Course Number
B0055

Host Institution Course Title
POPULATION AND CLIMATE CHANGE

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
LM in STATISTICAL SCIENCES

Host Institution Department
Statistical Sciences "Paolo Fortunati" - STAT

Print