

## COURSE DETAIL

### GLOBAL CHALLENGES: FOOD, WATER AND CLIMATE

**Country**

Australia

**Host Institution**

University of Sydney

**Program(s)**

University of Sydney

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Environmental Studies

**UCEAP Course Number**

15

**UCEAP Course Suffix****UCEAP Official Title**

GLOBAL CHALLENGES: FOOD, WATER AND CLIMATE

**UCEAP Transcript Title**

GLOBAL CHALLENGES

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course introduces students to the big environmental challenges of our time with an emphasis on those related to agriculture. Students learn both the concepts of security (e.g. food, water, soil) and the planetary boundaries of important earth systems. Students examine the physical constraints, ecosystems, and food production systems of Australia and analyze a set of case studies representing key agro-ecosystems. The course has a strong practical emphasis, with computer laboratory sessions introducing students to the analysis of spatial data related to climate, water, and food. This course includes a field trip to regional New South Wales where students gain experience in field-based measurements and exposure to different land management systems.

## Language(s) of Instruction

English

## Host Institution Course Number

ENVI1003

## Host Institution Course Title

GLOBAL CHALLENGES: FOOD, WATER AND CLIMATE

## Host Institution Campus

sydney

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Environmental Science

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