

# COURSE DETAIL

## SYSTEMS, SOCIETY, AND SUSTAINABILITY

**Country**

United Kingdom - England

**Host Institution**

University College London

**Program(s)**

University College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Civil Engineering

**UCEAP Course Number**

141

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

SYSTEMS, SOCIETY, AND SUSTAINABILITY

**UCEAP Transcript Title**

SOCIETY&SUSTAINABIL

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

The global challenge of sustainable development requires solutions and mindset that bridge traditional divisions between nature and culture, and the technical and social sciences. Sustainable development requires that engineers and other professionals are able to include social and ecological considerations alongside technical and economic requirements in managing projects and infrastructure. This course outlines the challenges of sustainability, introduces some theories which can help think through these challenges more clearly, and applies them to city and infrastructure systems. As each topic, such as ecological modernization, and sustainable consumption, is introduced, students learn about the theories behind the topic, they discuss relevant papers that shed light on the topic, and they discover the practical examples of relevance of the topic.

## Language(s) of Instruction

English

## Host Institution Course Number

CEGE0020

## Host Institution Course Title

SYSTEMS, SOCIETY AND SUSTAINABILITY

## Host Institution Course Details

<https://www.ucl.ac.uk/module-catalogue/modules/systems-society-and-sustainabili...>

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Civil, Environmental, and Geomatic Engineering

## Course Last Reviewed

2025-2026

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