

# COURSE DETAIL

## ENVIRONMENTAL LIFE SCIENCE

**Country**

Hong Kong

**Host Institution**

University of Hong Kong

**Program(s)**

University of Hong Kong

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Environmental Studies

**UCEAP Course Number**

13

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

ENVIRONMENTAL LIFE SCIENCE

**UCEAP Transcript Title**

ENVRN LIFE SCIENCE

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course covers the fundamentals of environmental biology/life science and importantly the relationship and connection between environment and life. It explores the various biological/ecological principles and concepts of environmental science which are needed for critical discussion and evaluation of current global environmental issues including human ecology, urbanization, ecological economics, and climate change. This course is a combination of lectures, group discussion/debate, field trips, and tutorials. It explores the fundamental interactions between organisms and their environment. Then explores environmental constraints on life at various ecosystems (like marine, freshwater, and terrestrial). Students learn how factors such as urbanization, climate change, and anthropogenic impacts affect life at population and ecosystem levels. Similarly, it exposes the incredible interrelationships that are basic to ecological principles and the impact that human development has upon these interrelationships. Lastly, it stimulates thinking about current life science issues such as biodiversity loss, organisms adaptation to climate change, tragedy of commons (human ecology) and applied life science topics such as biomaterial science.

## Language(s) of Instruction

English

## Host Institution Course Number

ENVS1301

## Host Institution Course Title

ENVIRONMENTAL LIFE SCIENCE

## Host Institution Course Details

[https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course\\_code=ENVS1...](https://webapp.science.hku.hk/sr4/servlet/enquiry?Type=Course&course_code=ENVS1...)

## Host Institution Campus

## Host Institution Faculty

**Host Institution Degree**

**Host Institution Department**

Biological Sciences

**Course Last Reviewed**

2025-2026

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