

# COURSE DETAIL

## HORMONES AND HOMEOSTASIS

**Country**

Netherlands

**Host Institution**

Utrecht University

**Program(s)**

Utrecht University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences Biochemistry

**UCEAP Course Number**

103

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

HORMONES AND HOMEOSTASIS

**UCEAP Transcript Title**

HORMONE & HOMEOSTAS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course deals with the integrative regulation of processes by hormones, in particular the regulation of energy, growth, stress, and reproduction. Basic principles are discussed first, such as homeostasis, hormonal axes, feedback mechanisms, biochemical structure of hormones, and structure and function of their receptors. Then the functional anatomy and histology of the endocrine organs are discussed, followed by the discussion of hormones that play a role in metabolism (including gut hormones and adipocytokines) and during growth, stress, and reproduction. During this course, specific attention is given to academic skills such as analyzing a scientific research paper and writing a scientific paper.

### Language(s) of Instruction

English

### Host Institution Course Number

BMW21405

### Host Institution Course Title

HORMONES AND HOMEOSTASIS

### Host Institution Campus

### Host Institution Faculty

Medicine

### Host Institution Degree

### Host Institution Department

Biomedical Sciences

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