

# COURSE DETAIL

## PLANT DEVELOPMENT AND PHYSIOLOGY

**Country**

France

**Host Institution**

University of Bordeaux

**Program(s)**

University of Bordeaux

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

110

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

PLANT DEVELOPMENT AND PHYSIOLOGY

**UCEAP Transcript Title**

PLANT DEV&PHYSIOLGY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course involves the study of the physiology and development of the different organs and reproductive systems of plants, as well as how researchers study these processes. It includes lectures, lab work, and section work. The course examines the life cycle of plants, the use of *Arabidopsis thaliana* as a model organism, and the methods of studying development such as transgenic plants, mutants, and reverse genetics. It also studies the organization of the shoot apical meristem (SAM) and the effects of mutations on its function, as well as how the SAM becomes the floral meristem and the development of the reproductive organs of flowers. The course finishes with a look at the root apical meristem.

## Language(s) of Instruction

French

## Host Institution Course Number

4TSV505U

## Host Institution Course Title

PLANT DEVELOPMENT AND PHYSIOLOGY

## Host Institution Campus

Université de Bordeaux

## Host Institution Faculty

Sciences et Technologie

## Host Institution Degree

## Host Institution Department

Biologie

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