

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

DÉVELOPPEMENT ET PHYSIOLOGIE DES PLANTES

Host Institution Campus

Université de Bordeaux

Host Institution Faculty

Sciences et Technologie

Host Institution Degree

Host Institution Department

Biologie

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