

COURSE DETAIL

CELLULAR 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

108

UCEAP Course Suffix**UCEAP Official Title**

CELLULAR PHYSIOLOGY

UCEAP Transcript Title

CELLULAR PHYSIOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces the roles and functioning mechanisms of two major remote communication systems between the cells of the organism: the nervous system and the endocrine system. It covers the mechanisms and consequences of membrane permeability to electrolytes, the bases of cellular excitability (neurons, endocrine cells, muscles), cellular communication (Ligand-receptor interactions: receptors for neurotransmitters (synapses) and hormones), and the muscular excitation-contraction coupling.

Language(s) of Instruction

Host Institution Course Number

4TBG304U

Host Institution Course Title

PHYSIOLOGIE CELLULAIRE: COMMUNICATIONS NERVEUSE ET HORMONALE

Host Institution Campus

UNIVERSITÉ DE BORDEAUX

Host Institution Faculty

SCIENCES

Host Institution Degree

Host Institution Department

BIOLOGIE

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