

COURSE DETAIL

CELLULAR BASIS OF DRUG DEPENDENCE

Country

United Kingdom - England

Host Institution

King's College London

Program(s)

English Universities, King's College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biochemistry

UCEAP Course Number

155

UCEAP Course Suffix**UCEAP Official Title**

CELLULAR BASIS OF DRUG DEPENDENCE

UCEAP Transcript Title

DRUG DEPENDENCE

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

This course explores cellular aspects of pharmacology, particularly those relevant to an understanding of drug receptors and the ways in which activation of these produce biochemical changes in the cell.

Pharmacological, biochemical, and electro-physiological methods for investigation of receptor-mediated changes in cell function are compared and integrated to provide a coherent picture of cell function and its modification by drugs and natural chemical messengers. In the second half, adaptation is considered at the level of receptor coupling and second messengers in relation to tolerance and dependence. The latest theories of psychological dependence and physical dependence on drugs such as depressants, stimulants, and hallucinogens are discussed. New drugs of abuse including ketamine and "legal highs" are discussed.

Language(s) of Instruction

English

Host Institution Course Number

6BBM0329

Host Institution Course Title

CELLULAR BASIS OF DRUG DEPENDENCE

Host Institution Campus

King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life & Biosciences

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