

# 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 Course Details

## Host Institution Campus

King's College London

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Life & Biosciences

## Course Last Reviewed

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