

COURSE DETAIL

PRACTICAL PHARMACOLOGY

Country

United Kingdom - England

Host Institution

University College London

Program(s)

University College London

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biochemistry

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

PRACTICAL PHARMACOLOGY

UCEAP Transcript Title

PRACTL PHARMACOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This is a largely practical course, which develops experimental skills. A selection of practicals and follow-up sessions designed for students taking Pharmacology PHAR0004 provide reinforcement of the material in that course. Students learn to conduct simple experiments on *in vitro* preparations and present their findings in a written account, use animals in medical research from the standpoint of animal welfare and ethics; set-up tissue preparations and use transducers and computers to measure tension or length changes in smooth muscle preparations; understand the experimental conditions required to maintain tissues *in vitro* and of the requirements to achieve stimulation of nerves using pulse generators; perform dilutions of stock drug solutions and calculate appropriate volumes to add to organ baths to achieve the desired final concentrations; follow experimental protocols accurately to generate reproducible results; and quantify results and present them clearly in graphical form.

Language(s) of Instruction

English

Host Institution Course Number

PHAR0008

Host Institution Course Title

PRACTICAL PHARMACOLOGY

Host Institution Course Details

<https://www.ucl.ac.uk/module-catalogue/modules/practical-pharmacology-PHAR0008>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Division of Biosciences

Course Last Reviewed

2024-2025

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