

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Division of Biosciences

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