COURSE DETAIL

FUNDAMENTAL PHARMACOLOGY
Country Singapore
Host Institution National University of Singapore
Program(s) National University of Singapore
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 117
UCEAP Course Suffix
UCEAP Official Title FUNDAMENTAL PHARMACOLOGY
UCEAP Transcript Title PHARMACOLOGY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines the basic principles of receptor pharmacology and of pharmacokinetics with emphasis on molecular and cellular mechanisms of action, clinical uses and adverse effects using lectures, tutorials and practicals. The lecture topics start with the classical drug receptor theory followed by pharmacokinetics and molecular pharmacology of drug receptors and their regulation including receptor-mediated signal transduction and membrane ion channel function. Autonomic pharmacology (adrenergic and cholinergic) is introduced. The module also focuses on the pharmacology of autacoids, non-steroidal anti-inflammatory agents, corticosteroids, immunosuppressants, anti-asthma drugs, and anti-arthritic drugs.

Language(s) of Instruction
English

Host Institution Course Number
LSM3211

Host Institution Course Title
FUNDAMENTAL PHARMACOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biological Sciences

Course Last Reviewed

2021-2022

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