

Module Details	
Module Title	Clinical Pharmacology
Module Code	CLS6001-B
Academic Year	2022/3
Credits	20
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 6

Contact Hours	
Type	Hours
Lectures	15
Seminars	14
Independent Study	171

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims
To stimulate an awareness of pharmacokinetics, drug metabolism and transport, drug therapy in special populations and how these processes may vary between ethnic groups.

Outline Syllabus
Clinical Pharmacokinetics. Compartmental and non-compartmental analysis of drug distribution. Drug Absorption and Bioavailability. Effect of renal and liver disease on pharmacokinetics. Pathways of Drug metabolism and enzymology. Population Pharmacokinetics. Pharmacogenetics. Drug Interactions, inhibition, induction. Drug therapy and clearance in pregnant and nursing women, neonates and children, elderly patients.

Learning Outcomes	
Outcome Number	Description
01	Discuss how drugs are absorbed, distributed and eliminated from the body and explain how these processes may differ in various sub-populations.
02	Evaluate the basis of drug interactions based on pharmacokinetic and metabolic parameters.
03	Interpret individual and population pharmacokinetic profiles.
04	Use coherent communication, analysis and problem-solving skills to apply your knowledge to new concepts and data.

Learning, Teaching and Assessment Strategy
Information outlining the knowledge and understanding required of this module is delivered in lectures and seminars. Self-directed learning during directed study time and in-class exercises will develop your cognitive skills and seminars/workshops will be used to reinforce the taught component. Formative assessments will be used to monitor your progress. Your knowledge base and critical analysis of the material will be assessed by an open-book examination and case study evaluation.

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Computerised examination	Open book long answer assessment End of Semester 2	80%
Summative	Examination - Open Book	Open book pharmacokinetic case study End of semester 11	20%

Reading List
To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html

Please note:

This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.