

MODULE DESCRIPTOR

Module Title

Clinical Therapeutics 1

Reference	PL3001	Version	2
Created	February 2023	SCQF Level	SCQF 9
Approved	June 2022	SCQF Points	30
Amended	April 2024	ECTS Points	15

Aims of Module

To develop knowledge and understanding of the scientific principles and concepts of pharmacology, pharmacokinetics and evidence-based therapeutics and integration of these into the management of person-centred care.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Demonstrate a critical understanding of the fundamentals of pharmacology, pharmacokinetics and evidence-based therapeutics.
- 2 Justify suitable evidence-based therapeutic strategies of commonly occurring disease states.
- 3 Demonstrate the ability to use clinical skills including communication, consultation, data gathering from case notes, and physical assessment to improve health outcomes.

Indicative Module Content

Topics include the principles underpinning the pharmacodynamics and pharmacokinetics of medicines for infectious diseases and diseases of the nervous system including acute pain, the immune system, and the musculoskeletal system. Evidence-based therapeutics includes the consideration of pharmacological and non-pharmacological management options for common diseases of the above systems (identification of the goals of therapy, drug selection, adverse drug reactions, side effects, contraindications, new therapies and monitoring requirements). Consultation and relevant general physical examination skills. The module highlights the need for ensuring health and well-being (SDG 3 good health and well-being), while making conscious decisions about the use and disposal of resources required to provide a quality learning experience with minimal environmental impact (SDG 4: quality education and SDG 12: responsible consumption and production).

Module Delivery

This module is delivered with a mix of lectures and case study-based tutorials and practical lab sessions, supplemented by formative self-assessment.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	70	N/A
Non-Contact Hours	230	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Examination	Weighting:	50%	Outcomes Assessed:	1, 2
Description:	A closed book written examination				

Component 2

Type:	Practical Exam	Weighting:	50%	Outcomes Assessed:	3
Description:	A practical assessment of clinical skills.				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

A minimum of grade D or better is required to pass this module.

Module Grade Minimum Requirements to achieve Module Grade:

A	When the grade for Component 1(EX1) is an A and a PASS in Component 2(PE1).
B	When the grade for Component 1(EX1) is an B and a PASS in Component 2(PE1).
C	When the grade for Component 1(EX1) is an C and a PASS in Component 2(PE1).
D	When the grade for Component 1(EX1) is an D and a PASS in Component 2(PE1).
E	When the grade for Component 1(EX1) is an E and a PASS in Component 2(PE1).
F	When the grade for Component 1(EX1) is an F and/or an unsuccessful attempt (i.e. a Fail) at Component 2(PE1).
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of MPharm Stage 1 or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 GOLDACRE, B., 2008. *Bad Science*. First edition . London: HarperCollins.
- 2 NEAL, M.J., 2015. *Medical Pharmacology at a Glance*. Eight edition. Oxford: Wiley-Blackwell.
- 3 RANG, H. P. RITTER, J.M., FLOWER, R.J. and HENDERSON, G., 2015. *Rang and Dale's Pharmacology*. Eight edition. London: Churchill Livingstone.
- 4 WHITTLESEA, C. and HODSON, K., 2019. *Clinical Pharmacy and Therapeutics*. Sixth edition. Edinburgh: Churchill Livingstone.