

## MODULE DESCRIPTOR

### Module Title

Clinical Therapeutics 1

Reference	PL3001	Version	1
Created	April 2022	SCQF Level	SCQF 9
Approved	June 2022	SCQF Points	30
Amended	August 2021	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 therapeutic plans for individual patients.

### 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 therapeutics of the nervous system, acute pain, infectious diseases (including antimicrobials), the immune system and musculoskeletal diseases. Evidence-based therapeutics will include: identification of the goals of therapy, drug selection, adverse drug reactions, side effects, new therapies, monitoring and non-pharmacological management of common diseases in the above systems.

### 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:
<b>A</b>	When the grade for Component 1(EX1) is an A and a PASS in Component 2(PE1).
<b>B</b>	When the grade for Component 1(EX1) is an B and a PASS in Component 2(PE1).
<b>C</b>	When the grade for Component 1(EX1) is an C and a PASS in Component 2(PE1).
<b>D</b>	When the grade for Component 1(EX1) is an D and a PASS in Component 2(PE1).
<b>E</b>	When the grade for Component 1(EX1) is an E and a PASS in Component 2(PE1).
<b>F</b>	When the grade for Component 1(EX1) is an F and/or an unsuccessful attempt (i.e. a Fail) at Component 2(PE1).
<b>NS</b>	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.