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## MODULE DESCRIPTOR

### Module Title

Clinical Pharmacology and Therapeutics 2

Reference	PH4131	Version	4
Created	May 2019	SCQF Level	SCQF 10
Approved	March 2013	SCQF Points	45
Amended	August 2019	ECTS Points	22.5

### Aims of Module

To integrate scientific principles and clinical skills to evidence-based therapeutics relating to specific body systems including the application of pharmacokinetic principles.

### Learning Outcomes for Module

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

- 1 Critically evaluate the pathophysiology, pharmacology and evidence-based therapeutics of commonly occurring disease states.
- 2 Analyse patient information to identify pharmacological and therapeutic issues.
- 3 Synthesise therapeutic strategies in relation to a range of diseases.
- 4 Manipulate, interpret and apply pharmacological and pharmacokinetic data in varying clinical situations.
- 5 Integrate and apply practical clinical skills to patients' clinical needs.

### Indicative Module Content

Integration of the scientific principles and clinical skills required of a pharmacist to develop evidence-based therapeutic plans for individual patients in the context of specific disease states including: infectious diseases; malignant disorders; musculo-skeletal diseases; cardiovascular system; gastrointestinal system, respiratory system; pain; immune system; haematology and therapeutic drug monitoring; clinical skills including communication, consultation, data gathering from case notes, physical assessment.

### Module Delivery

Lectures, coursework sessions (that include individual problem solving exercises and group based problem-based learning, tutorial sessions) and directed study (that include computer packages, directed reading and self-assessment exercises).

<b>Indicative Student Workload</b>	Full Time	Part Time
Contact Hours	98	N/A
Non-Contact Hours	352	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
<b>TOTAL</b>	<b>450</b>	<b>N/A</b>
<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: Practical Exam Weighting: 50% Outcomes Assessed: 4, 5  
 Description: A practical exam on evidence-based therapeutics and case study material.

### Component 2

Type: Examination Weighting: 50% Outcomes Assessed: 1, 2, 3  
 Description: A problem based learning written assessment assessing the therapeutic detail of the problem based learning case studies.

## MODULE PERFORMANCE DESCRIPTOR

### Explanatory Text

To pass this module, the student MUST achieve a module Grade of Grade D or better and a minimum mark of 40% in C1 and C2.

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	When 50% of the mark for C1 added to 50% of the mark for C2 is 70% or more.
<b>B</b>	When 50% of the mark for C1 added to 50% of the mark for C2 is 60-69%.
<b>C</b>	When 50% of the mark for C1 added to 50% of the mark for C2 is 50-59%.
<b>D</b>	When 50% of the mark for C1 added to 50% of the mark for C2 is 40-49%.
<b>E</b>	When 50% of the mark for C1 added to 50% of the mark for C2 is 35% or more but less than 40% in C1 and/or C2.
<b>F</b>	When 50% of the mark for C1 added to 50% of the mark for C2 is less than 35%.
<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 2.
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 BLENKINSOPP A., PAXTON P. Symptoms in the Pharmacy. Current edition. Oxford: Blackwell Science.
- 2 RANG H.P., DALE M.M., RITTER J.M., FLOWER R.J., HENDERSON G. Pharmacology. Current edition. Edinburgh: Churchill Livingstone.
- 3 TORTORA, G.J., DERRICKSON, B.H. Principles of Anatomy and Physiology. Current edition. New York: J Wiley and Sons.
- 4 WALKER R., WHITTLESEA C. Clinical Pharmacy and Therapeutics. Current edition. Edinburgh: Churchill Livingstone.