

## MODULE DESCRIPTOR

### Module Title

Evidence Based Therapeutics

Reference	PL2004	Version	2
Created	February 2023	SCQF Level	SCQF 8
Approved	June 2022	SCQF Points	30
Amended	April 2024	ECTS Points	15

### Aims of Module

To develop knowledge of what constitutes evidence base and how its applied in clinical practice.

### Learning Outcomes for Module

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

- 1 Explain the concept of what evidence base is and how this informs the development of local and national guidelines.
- 2 Describe appropriate literature search strategies and critically appraise and analyse research articles for their validity and relevance to pharmacy practice.
- 3 Understand the role of ethics and statistics in conducting research studies.
- 4 Explain the differences between different study designs and their application to pharmacoepidemiology.

### Indicative Module Content

The module is designed to introduce the concepts of hierarchy of evidence, epidemiology and pharmacoepidemiology, research methodology (quantitative and qualitative methods), study design, statistical methods in research. The intention being to ensure future pharmacist are aware of how to prepare and complete a literature; search systematically; read scientific papers; complete a Critical Appraisal of medical evidence. There is an introduction to medicines information; principles of research ethics and governance; antimicrobial stewardship; sustainability in pharmacy practice and guidelines and their development, thus linking research to pharmacy practice, and evidence based clinical decision aid tools in conjunction with shared decision making. The module highlights the need for ensuring health and well-being (SGD 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 SGD 12: responsible consumption and production).

**Module Delivery**

Lectures, seminars and coursework sessions (including individual and group problem solving exercises and small group discussions) and self directed study (including peer learning, directed reading, supplemented by formative self-assessment exercises and quizzes).

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	50	N/A
Non-Contact Hours	250	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:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	A written examination.				

**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.
<b>B</b>	When the grade for Component 1(EX1) is an B.
<b>C</b>	When the grade for Component 1(EX1) is an C.
<b>D</b>	When the grade for Component 1(EX1) is an D.
<b>E</b>	When the grade for Component 1(EX1) is an E.
<b>F</b>	When the grade for Component 1(EX1) is an F.
<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**

None.