

Summary Information

Module Code	7202CPPHAR
Formal Module Title	Principles of Medicines Optimisation
Owning School	Pharmacy & Biomolecular Sciences
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Gareth Nickless	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Ben Hindley	Yes	N/A
Rebecca Hellier	Yes	N/A
Sarah Craig	Yes	N/A
Rebecca Fern	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Online	12
Seminar	7
Workshop	12

Module Offering(s)

Offering Code	Location	Start Month	Duration
MAR-CTY	CTY	March	46 Weeks
SEP-CTY	CTY	September	46 Weeks

Aims and Outcomes

Aims	This module aims to develop students' ability to optimise medicines for individual patients (including those with multi-morbidity) by updating their knowledge of clinical therapeutics and skills in its application in real life practice.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Assess the impact of multi-morbidity on medicines use in individual patients
MLO2	Choose (or make recommendations on), the most appropriate treatment(s) for commonly encountered long-term conditions by applying their knowledge of pharmacology, pharmacokinetics, published evidence and guidelines
MLO3	Critique patients' medication regimes to identify examples of inappropriate polypharmacy and recommend safe strategies for de-prescribing
MLO4	Develop robust and realistic plans for the on-going management of long-term conditions when patients transfer between care settings

Module Content

Outline Syllabus

• Definitions of medicines optimisation• Impact of multi-morbidity on medicines use• Polypharmacy and de-prescribing• Preventing or minimising adverse drug reactions• High risk drugs• Transfer of care• Medicines use in the elderly• Management of commonly encountered long-term conditions – the emphasis on individual conditions may change each year depending on emerging evidence and changes to national guidelines. The priority therapeutic areas will normally be:: Cardiovascular disease – e.g. hypertension, stable angina: Obesity: Type 1 and type 2 diabetes: Pain and musculoskeletal disorders – e.g. osteoarthritis, rheumatoid arthritis, osteoporosis and gout: Mental health – e.g. dementia, anxiety, depression, schizophrenia, bipolar affective disorder: Living with cancer: Chronic kidney disease: Gastrointestinal disorders – e.g. GORD: Parkinson's disease: Epilepsy

Module Overview

This module aims to develop students' ability to optimise medicines for individual patients (including those with multi-morbidity) by updating their knowledge of clinical therapeutics and skills in its application in real-life practice.

Additional Information

The majority of this module involves work-based training under the guidance of a Practice-based tutor (PBT), following a prescribed schedule. The student and PBT are also supported by the Clinical Liaison Tutor team.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Centralised Exam	Examination	50	1.5	MLO3, MLO4, MLO1, MLO2
Report	Case report	50	0	MLO3, MLO4, MLO1, MLO2