

### Summary Information

<b>Module Code</b>	6000IMPHAR
<b>Formal Module Title</b>	Complexities of Healthcare
<b>Owning School</b>	Pharmacy & Biomolecular Sciences
<b>Career</b>	Undergraduate
<b>Credits</b>	120
<b>Academic level</b>	FHEQ Level 6
<b>Grading Schema</b>	40

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Steven Enoch	Yes	N/A

#### Module Team Member

Contact Name	Applies to all offerings	Offerings
Francesca Giuntini	Yes	N/A
Shaqil Chaudary	Yes	N/A
Rebecca Fern	Yes	N/A
Darren Sexton	Yes	N/A
Sally Wright	Yes	N/A
Matthew Roberts	Yes	N/A
Mark Cronin	Yes	N/A
Jonathan Davies	Yes	N/A
Suzanne Cutler	Yes	N/A

Peter Penson	Yes	N/A
Amos Fatokun	Yes	N/A
Elsie Gaskell	Yes	N/A
Alice McCloskey	Yes	N/A
Imran Saleem	Yes	N/A
Alison Devine	Yes	N/A
Philippa Ocio	Yes	N/A
Charles Morecroft	Yes	N/A
Andrew Lunn	Yes	N/A
James Downing	Yes	N/A
Rachel Mullen	Yes	N/A
Mark Wainwright	Yes	N/A
Iftikhar Khan	Yes	N/A
Ben Hindley	Yes	N/A
Neil Henney	Yes	N/A
Ian Cubbin	Yes	N/A
Gareth Nickless	Yes	N/A
Andrew Evans	Yes	N/A
Michael Traynor	Yes	N/A
Judith Madden	Yes	N/A
Kate Shemilt	Yes	N/A
Sakib Yousaf	Yes	N/A
Touraj Ehtezazi	Yes	N/A
Andrew Gitsham	Yes	N/A
Johanne Nesbit	Yes	N/A
Vicki Anderson	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
Lecture	10
Online	117
Placement	12
Practical	44
Seminar	4
Tutorial	18
Workshop	99

## Module Offering(s)

Offering Code	Location	Start Month	Duration
SEP-CTY	CTY	September	28 Weeks

## Aims and Outcomes

<b>Aims</b>	To enable students to critically review and consolidate clinical evidence and patient specific information to optimise care
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## Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Demonstrate an evidence-based approach to critically evaluate and optimise the management of health, disease and wellbeing.
MLO2	Apply knowledge gained from critical evaluation of scientific literature and training in current research methods to evaluate research and clinical guidelines
MLO3	Apply sound, reasoned and appropriate judgement to professional situations.
MLO4	Recognise the challenges posed by caring for patients in real world circumstances and develop and apply strategies to overcome them.

MLO5	Demonstrate appropriate skills, attitude, emerging leadership and team attributes for a future healthcare professional.
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## Module Content

### Outline Syllabus

Personalised Healthcare (Biomarkers of disease, therapeutic drug monitoring, individual needs)Caring for the Population (Evidence Based Medicine, Formulary development)Broadening Professional PerspectivesProfessional DevelopmentResearchEndocrine disorders, Mental HealthMusculoskeletalOncology

### Module Overview

During this year, you will take the single modality learning of disease and illness from previous levels and transfer this to multi-morbidity long-term conditions, whose treatment relates to wider health and social care provision.

As in previous levels, new knowledge will be incorporated into your existing knowledge, augmenting your development of a representative integrative perspective of the programme. For example, the concepts of formulation, drug monitoring, medicines optimisation, adverse drug reactions and toxicity will initially be delivered in the context of topics introduced in previous years, such as cardiovascular and respiratory systems. These concepts will then be applied to the endocrine system, mental health, musculoskeletal disorders, and oncology topics. The balance between evidence-based medicine and personalised treatment will be further explored both at the level of the individual's health and that of the public.

Professional development will be firmly embedded into your learning with increasingly complex clinical skills being immersed in the range of multi-morbidity long-term conditions. You will continue to progress the development of your research skills with a series of research seminars, including understanding of research philosophy, the underlying tenets of the relevant scientific and social science methodologies inherent in pharmacy.

### Additional Information

This module forms the third year of the integrated masters in Pharmacy. There is a requirement (agreed variance from the Academic Framework) that all assessment components must be passed at the module pass mark or higher for the module to be passed. No credit will be released unless all competencies (C1-C6) are achieved.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Centralised Exam	Open book exam	20	2	MLO1, MLO4, MLO2
Centralised Exam	Closed book exam	20	2	MLO1, MLO4, MLO2
Portfolio	Problem based learning	20	0	MLO1, MLO3, MLO4

Report	Medicines Evaluation Report	15	0	MLO1, MLO2
Report	Lab report	10	0	MLO4
Presentation	Infographic Poster	10	0	MLO2
Presentation	Formulary dev. presentation	5	0	MLO1, MLO3
Practice	C1 OSCE	0	0	MLO5
Practice	C2 OSLA	0	0	MLO5
Test	C3 Pharmacy law	0	0	MLO5
Practice	C4 dispensing	0	0	MLO5
Test	C5 numeracy	0	0	MLO5
Portfolio	C6 Portfolio & PDP	0	0	MLO5
Competency	Pharmacy Practice			MLO5