

Summary Information

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|----------------------------|-------------------------------------|
| Module Code | 7200CPPHAR |
| Formal Module Title | Medicines Optimisation in Hospitals |
| 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 Hetherington | Yes | N/A |
| Greg Barton | Yes | N/A |

Partner Module Team

| Contact Name | Applies to all offerings | Offerings |
|--------------|--------------------------|-----------|
|--------------|--------------------------|-----------|

Teaching Responsibility

| LJMU Schools involved in Delivery |
|-----------------------------------|
| Pharmacy & Biomolecular Sciences |

Learning Methods

| Learning Method Type | Hours |
|----------------------|-------|
| Lecture | 3 |
| Online | 10 |
| Seminar | 3 |
| Workshop | 18 |

Module Offering(s)

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

Aims and Outcomes

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|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aims | This module aims to develop the clinical knowledge and skills required by hospital pharmacists for managing medicines in patients that are admitted to hospital |
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Learning Outcomes

After completing the module the student should be able to:

| Code | Description |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MLO1 | Clinically assess patients' medicines-related needs when they are admitted to hospital |
| MLO2 | Choose, or make recommendations on, the most appropriate treatment for acute medical and surgical problems by applying their knowledge of pharmacology, pharmacokinetics, guidelines and published evidence |
| MLO3 | Assess the impact of acute illnesses on patients' medicines-related needs (including consideration of drug administration issues and altered drug handling) |
| MLO4 | Formulate robust and realistic monitoring plans for patients' medicines, acknowledging the responsibilities of different healthcare professionals |

Module Content

Outline Syllabus

• Altered drug handling in acute illness• Drug administration challenges• Antimicrobial stewardship• Management of common reasons for hospital admission / problems encountered during hospital admissions – the emphasis specific areas may change each year depending on emerging evidence and changes to national guidelines. The priority areas will normally be expected to be:
o Common infections – e.g. pneumonias urinary tract infections, skin and soft tissue infectionso Healthcare-acquired infectionso Sepsiso Venous thromboembolismo Exacerbations of asthma and COPDo Acute coronary syndromeso Arrhythmiaso Acute heart failureo Diabetic emergencieso Acute kidney injuryo Alcohol withdrawalo Acute confusion / deliriumo Upper GI bleedso Decompensated liver diseaseso Inflammatory bowel disease (IBD) flares• Medicines optimisation for patients undergoing surgery• Management of patients on high dependency and critical care units

Module Overview

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 |
|---------------------|-------------------|--------|--------------------------|--------------------------|
| Presentation | Case presentation | 30 | 0 | MLO1, MLO4, MLO3, MLO2 |
| Centralised Exam | Examination | 70 | 1.5 | MLO1, MLO4, MLO3, MLO2 |