Aseptics in Practice

Module Code: PHA7042-C
Academic Year: 2018-19
Credit Rating: 30
School: School of Pharmacy and Medical Sciences
Subject Area: Pharmacy
FHEQ Level: FHEQ Level 7 (Masters)
Module Leader: Gary Deakin

Additional Tutors:

Pre-requisites:
Co-requisites:

Contact Hours

<table>
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<th>Type</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Lectures</td>
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<td>Tutorials</td>
<td>5</td>
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<td>Directed Study</td>
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Availability Periods

<table>
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<tr>
<th>Occurrence</th>
<th>Location/Period</th>
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<tr>
<td>BDA</td>
<td>University of Bradford / Semester 1 (Sep - Jan)</td>
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Module Aims

To provide students with the opportunity to develop and demonstrate:

' The knowledge and ability to solve complex problems and justify their decisions.
' Techniques for the critical analysis of published stability data relating to products made by the aseptic service.
' The confidence and ability to communicate effectively with pharmacy colleagues and other healthcare professionals.
' The ability to reflect on their practice to inform their professional development.
Outline Syllabus

The licensing and operation of aseptic units. The law and related national/international guidance. Good Manufacturing Practice (GMP), design of aseptic areas, personnel, clothing, environmental monitoring, hand washing and the use of isolators & HEPA filters.

Monitoring and controls required in aseptic units including; air pressures, air change rates, and microbiological monitoring to ensure quality & safety of the products produced, and also safety of staff in the aseptic unit. Aseptic products (CIVAS/PN/Cytotoxics), including evidence-based stability data. Clinical checking. Accuracy Checking. Product Release. Aseptic manipulations. Radiopharmacy. Responsible disposal of waste. Patient-centred care and responsible professionalism is embedded within all subject areas.

Module Learning Outcomes

On successful completion of this module, students will be able to...

1. Identify and critically appraise sources of information in order to assess the stability and compatibility of pharmaceutical products

2. Identify and apply national and international guidance/standards to your practice as a pharmacist working in an aseptic unit

3. Make complex professional decisions by analysing incomplete or conflicting data to come to safe and appropriate conclusions

4. Communicate effectively with other healthcare professionals to ensure appropriate solutions are offered to problems with production

5. Systematically gather, critically analyse and evaluate data in order to ensure that a product made in an aseptic unit is stable & appropriate for individual patient use

6. Critically appraise different methods to choose the best way to make a safe & appropriate product

7. Apply knowledge and experience of appropriate manipulation techniques to be able to competently supervise aseptic dispensing

8. Explain the precautions taken in radiopharmacy units to protect staff from radiation

9. Demonstrate a sound understanding of the relevant issues, national guidance and primary evidence base, in order to suggest an appropriate course of action in the management of a technical problem
Learning, Teaching and Assessment Strategy

Tutorials on a study day provided at the University.

Work-based learning through the completion of a workbook directed by specialist pharmacists and technicians in the base hospital.

Assessment Strategy: Through the completion of a task-based workbook along with completion of two directed reflective essays (1500 words each)

Mode of Assessment

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<th>Type</th>
<th>Method</th>
<th>Description</th>
<th>Length</th>
<th>Weighting</th>
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<tr>
<td>Summative</td>
<td>Coursework</td>
<td>Reflective pieces - 2 x 1500 word pieces with title provided</td>
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<td>Summative</td>
<td>Coursework</td>
<td>Workbook - Completed workbook to be submitted</td>
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Legacy Code (if applicable)

PH-5116T

Reading List

To view Reading List, please go to rebus:list.