

| Module Details |  |
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| Module Title   | Management of Global Pharmaceutical Supply |
| Module Code    | PHA7049-B                                  |
| Academic Year  | 2023/4                                     |
| Credits        | 20   |
| School         | School of Pharmacy and Medical Sciences    |
| FHEQ Level     | FHEQ Level 7                               |

| Contact Hours  |       |
|----------------|-------|
| Type           | Hours |
| Lectures       | 10    |
| Tutorials      | 10    |
| Directed Study | 180   |

| Availability |                                     |
|--------------|-------------------------------------|
| Occurrence   | Location / Period                   |
| BDA          | University of Bradford / Semester 2 |

| Module Aims   |
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| <p>This module aims to provide the students with the opportunity to develop in-depth awareness and understanding of the processes and strategies for the sourcing of medicines and its relevance to the availability of affordable quality medicine. Students will also develop their knowledge and understanding of the principles of operations, supply chain and quality management, from raw materials sourcing through to the customer, including how to design and manage a sustainable supply chain and mitigate risks and emerging challenges within the pharmaceutical supply chain.</p> |

| Outline Syllabus   |
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| <p>Introduction to operations management/service operations management<br/>           Fundamental principles of supply chain management<br/>           Deprescribing and Patient Safety<br/>           Technology and the pharmaceutical supply chain<br/>           Risk identification and management<br/>           Regulation and corporate and social responsibility<br/>           The role of the pharmaceutical supply chain in humanitarian aid<br/>           Emerging contemporary issues and responses in the pharmaceutical supply chain<br/>           Vaccine supply chains<br/>           Pharmacy and Public Health<br/>           Drug access and policies</p> |

| Learning Outcomes |  |
|-------------------|--|
| Outcome Number    | Description  |
| 01                | Critically review the design and composition of the pharmaceutical supply chain.   |
| 02                | Examine the concepts of operations and supply chain management as applied in the pharmaceutical supply chain in contemporary society.                  |
| 03                | Examine associated healthcare literature and professional practice research as appropriate.  |
| 04                | Enhance your interpretative and analytical skills through tutorial sessions and formative and summative assessment.                                    |
| 05                | Develop team-working and technical skills through student-led tutorial sessions and problem identification and resolution in the summative assessment. |
| 06                | Communicate complex information in an understandable form to a variety of audiences.   |
| 07                | Work effectively independently and as a team member.   |
| 08                | Demonstrate good IT skills.  |

| Learning, Teaching and Assessment Strategy  |
|---|
| <p>This module will be delivered using a blended approach of front facing and/or online lectures (synchronous and asynchronous), tutorials (front facing and/or online (synchronous)), multi-media presentations, guest speaker sessions and problem-solving sessions. These sessions will introduce students to current supply chain/operations management research and theory, which will be complemented by student-led tutorial sessions. Both lectures and tutorials will provide students with the opportunity to appreciate and use the information disseminated to contemporary operational issues (learning outcome 1, 2, 3, 4 and 5). The lectures will be complemented and enhanced by multi-media sources (DVD media clips based on known companies, online sources e.g. YouTube, BBC News, professional articles etc) demonstrating the applicability of the material to businesses today (learning outcome 1, 2, 3, and 5). Guest speakers will also be factored into the tutorial schedule, either directly presenting online (learning outcome 4 and 5). A number of tutorial sessions will be designed which are problem based and students will work together to present resolutions to these problems based on pre-reading and teamwork (learning outcome 4, 5, 6 and 7). Directed study will encourage students to read a broader range of sources to deepen their understanding of the subject matter from relevant credible sources (learning outcome 4, 5 and 6). The proposed assessment will be an online (synchronous) group presentation (30 minutes) accompanied by an individual assignment (learning outcome 1, 2, 3, 4, 5, 6 and 7).</p> <p>Formative feedback will be provided on both modes of assessment.</p> |

| Mode of Assessment |                        |  |           |
|--------------------|------------------------|--|-----------|
| Type               | Method                 | Description  | Weighting |
| Summative          | Presentation           | Group presentation based on analysis of a contemporary medicines supply chain issue                          | 30%       |
| Summative          | Coursework - Written   | Problem identification, analysis and recommendations for improvement.  | 60%       |
| Summative          | Attendance requirement | Engagement score determined with attendance in 2 tutorials and submission of 2 pieces of developmental work. | 10%       |

## Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

*Please note:*

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*

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