

## Nutrition, Metabolism and Reproduction 2

|                |                                         |
|----------------|-----------------------------------------|
| Module Code:   | PHA6007-C                               |
| Academic Year: | 2018-19                                 |
| Credit Rating: | 30                                      |
| School:        | School of Pharmacy and Medical Sciences |
| Subject Area:  | Pharmacy                                |
| FHEQ Level:    | FHEQ Level 6                            |
| Module Leader: | Dr Bishwa Tuladhar                      |

### Additional Tutors:

Dr Sriharsha Kantamneni, Dr Diana Wood, Dr Ian Grimsey, Dr Jürgen Müller, Dr Krzysztof Paluch, Dr Khaled Assi, Dr Mohammad Isreb, Dr Rajendran Gopalan, Gary Deakin, Dr Venu Vangala, Dr Xiangli Liu, Mr Babir Malik, Mr Hadar Zaman, Mr James Johnston, Alison Mckinney, Mrs Diane Butterworth, Mrs Helen Cook, Ms Shanaz Khaliq, Ms Sophia Khan, Mrs V-Lin Cheong, Miss Zaynab Nejadhamzeeigilani, Professor Anant Paradkar

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| Pre-requisites: | Capability in Pharmacy 2 2017-18, Nutrition, Metabolism |
| Co-requisites:  | Capability in Pharmacy 3 2018-19, Senses, Thoughts and  |

### Contact Hours

| Type           | Hours |
|----------------|-------|
| Lectures       | 8     |
| Tutorials      | 32    |
| Laboratory     | 18    |
| Directed Study | 242   |

### Availability Periods

| Occurrence | Location/Period                                     |
|------------|-----------------------------------------------------|
| BDA        | University of Bradford / Academic Year (Sept - May) |

### Module Aims

This module builds on Nutrition, Metabolism and Reproduction 1, and aims to provide you with the integrated knowledge and skills needed to: Understand the aetiology, epidemiology, natural history and clinical features of a range of common long-term

conditions and minor ailments affecting the gastrointestinal, endocrine and reproductive systems; Evaluate the management options and formulate, implement and monitor an agreed management plan for a range of common long-term conditions and common minor ailments affecting the gastrointestinal, endocrine and reproductive systems;

Educate patients and prescribers on the effective use, storage and disposal of medicines, how to avoid/manage the effects of adverse drug reactions and the safe and effective use of medicines in pregnancy; Implement strategies aimed at promoting health and preventing lifestyle-based health problems; Process complex prescriptions for the treatment of single health problem/disease (of the gastrointestinal, endocrine and reproductive systems managed by multiple medicines.

## **Outline Syllabus**

Aetiology, epidemiology, natural history, clinical features, and management of a range of common long-term conditions and minor ailments affecting the gastrointestinal, endocrine and reproductive systems.

Educating patients and prescribers on the adverse effects of drugs on gastrointestinal, endocrine and reproductive systems

Educating patients and prescribers on the effective use, storage and disposal of medicines

Educating patients and prescribers on the safe and effective use of medicines in pregnancy

Promoting health and preventing lifestyle-based health problems.

Processing complex prescriptions for the treatment of multiple diseases with multiple medicines

Pharmaceutical calculations

## **Module Learning Outcomes**

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

- 1 Appraise the aetiology, epidemiology, natural history, clinical features, and management of a range of common long-term conditions, in order to recognise and/or recommend the optimal management option (including formulation/drug delivery option), monitor outcomes, enhance adherence, and recognise and resolve medication-related problems.
- 2 Appraise the aetiology, epidemiology, natural history, clinical features, competing diagnoses (differential diagnosis) and management options of a range of common minor ailments in order to correctly recognise them from patient data (history) and recommend appropriate and effective management.
- 3 Evaluate the adverse effects of drugs on the gastrointestinal, endocrine and reproductive systems in order to educate patients and prescribers on their avoidance.
- 4 Identify and assess factors that can adversely affect the lifecycle of a medicine in order to educate patients & prescribers on their avoidance.

- 5 Assess the effects of drugs on pregnancy, pregnancy on drugs, and appraise the causes and management of common problems in pregnancy, in order to educate patients and prescribers on the safe and effective use of medicines.
- 6 Critically appraise and apply strategies aimed at promoting health and preventing lifestyle-based health problems.
- 7 Effectively process complex prescriptions for the treatment of multiple diseases with multiple medicines.

### Learning, Teaching and Assessment Strategy

Students will develop the knowledge, understanding and skills necessary to meet the learning outcomes of the module through the programme's instructional learning and teaching strategy; team-based learning. Students will study the core knowledge-based content of the module out of class; this is then assessed through a series of individual readiness assurance tests (I-Rat), which are MCQ assessments for learning taken at regular intervals throughout the academic year. Students discuss the I-Rat assessment in teams of 5-7 and retake the assessment as a team (t-Rat). In class sessions, students will apply their new knowledge to a number of formative and summative team application exercises during the academic year. Finally, students will be assessed that they can individually meet learning outcomes through synoptic examinations at the end of the stage.

Students who do not attain 40% overall in this module and/or failing to achieve a Pass standard in the synoptic assessment (PH-3314X) will be required to repeat the full year with attendance, as outlined in the MPharm Programme regulations.

### Mode of Assessment

| Type      | Method                                 | Description                                          | Length | Weighting | Final Assess' |
|-----------|----------------------------------------|------------------------------------------------------|--------|-----------|---------------|
| Summative | Other form of assessment<br>DO NOT USE | Ongoing Team readiness assurance tests (tRats)       |        | 25%       | No            |
| Summative | Other form of assessment<br>DO NOT USE | Ongoing Individual readiness assurance tests (iRats) |        | 40%       | Yes           |
| Summative | Other form of assessment<br>DO NOT USE | Team Application exercises (summative)               |        | 25%       | No            |

|           |                                        |                                            |     |    |
|-----------|----------------------------------------|--------------------------------------------|-----|----|
| Summative | Other form of assessment<br>DO NOT USE | Peer review of performance within the team | 10% | No |
|-----------|----------------------------------------|--------------------------------------------|-----|----|

### **Legacy Code (if applicable)**

PH-3310U

### **Reading List**

To view Reading List, please go to [rebus:list](#).