

Transport 2 - Cardiovascular, Urinary and Respiratory Systems

Module Code:	PHA6008-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 Rajendran Gopalan

Additional Tutors:

Dr Julie Morgan, Dr Samantha McLean, Ms Sophia Khan, Mrs V-Lin Cheong, Mr Simon Tweddell, Dr Krzysztof Paluch, Dr Khaled Assi, Gary Deakin, Dr Gemma Quinn, Mrs Diane Butterworth, Dr Venu Vangala, Ms Shanaz Khaliq, Alison Mckinney, Dr Talat Nasim, Mr James Johnston, Clare Hedges, Dr Ian Grimsey, Dr Xiangli Liu

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

Contact Hours

Type	Hours
Lectures	10
Tutorials	30
Laboratory	14
Directed Study	246

Availability Periods

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

Module Aims

This module builds on Transport 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

cardiovascular, urinary and respiratory 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 cardiovascular, urinary and respiratory 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 prescriptions for the treatment of multiple health problems/diseases (of the cardiovascular, urinary and respiratory 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 cardiovascular, urinary and respiratory systems. Educating patients and prescribers on the adverse effects of drugs on cardiovascular, urinary and respiratory 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), monitor outcomes, enhance adherence & 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 cardiovascular, urinary and respiratory 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 and prescribers on their avoidance.
- 5 Assess the effects of 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 Assess the effects of 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.
- 7 Critically appraise and apply strategies aimed at promoting health and preventing lifestyle-based health problems: prevention, treatment and management of a range

of respiratory and cardiovascular conditions with predominantly life-style-based aetiologies.

- 8 Effectively process complex prescriptions for the treatment of multiple disease with medicines.

Learning, Teaching and Assessment Strategy

Students will develop the knowledge, understanding & skills necessary to meet the learning outcomes of the module through the programme's instructional learning & 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 will discuss the i-Rat assessment in teams of 5-7 & retake the assessment as a team (t-Rat). In-class, students will then, in their teams of 5-7, 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 each of the learning outcomes through summative 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 DO NOT USE	Peer review of performance within the team		10%	No
Summative	Other form of assessment DO NOT USE	Ongoing Individual readiness assurance tests (iRats)		40%	Yes
Summative	Other form of assessment DO NOT USE	Ongoing Team readiness assurance tests (tRats)		25%	No
Summative	Other form of assessment DO NOT USE	Team Application exercises (summative)		25%	No

Legacy Code (if applicable)

PH-3311U

Reading List

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