Module Details	
Module Title	Integrated Medical Sciences 2
Module Code	PHA7061-C
Academic Year	2023/4
Credits	30
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Lectures	11
Seminars	126
Practical Classes or Workshops	53
Independent Study	110

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims
To enable students to apply and integrate knowledge of the core clinical conditions defined by the Faculty of Physician Associates (FPA) to the diagnosis, treatment and management of patients with complex needs in challenging environments.

Outline Syllabus
UK Physician Associate Curriculum and the Physician Associate Registration Assessment Content Map. A presentation-based approach, covering a range of presentations witnessed in a variety of settings, such as women's health, infectious disease, general medicine, emergency medicine, surgical medicine and community medicine. Collaborative themes such as special senses, frailty assessment and management, complex care, chronic pain, palliative and end-of-life care, falls, polypharmacy and multimorbidity. Integrated components such as anatomy, physiology, biochemistry, immunology, pathology, histology, pharmacy, pharmacology, microbiology, epidemiology, aetiology, natural history, interpretation of data, clinical judgement, medical and non-medical management and review of chronic and complex conditions. Prescribing and medicines use - laws pertaining to prescribing, errors in prescribing, clinical decision making, safer medicines use, scope of practice as a PA, adverse drug reactions and interactions, risks when prescribing, side effects, contraindications and the need for review of patients on specialist and higher risk medication, such as Disease Modifying Anti-Rheumatic Drugs (DMARDs), biological drugs, antipsychotics, anticoagulants, opioids and those drugs which require monitoring for chronic conditions. Public health, the role of health and wellbeing promotion. Health equity and inequality, social determinants of health, health psychology. Independent and group learning as well as Inter-professional and multidisciplinary learning.

Learning Outcomes	
Outcome Number	Description
01	Apply and integrate knowledge of core clinical conditions to the diagnosis, treatment and management of patients with complex needs, for example multimorbidity, polypharmacy, frailty and end of life care.
02	Apply and integrate knowledge of core clinical conditions to the diagnosis, treatment and management of patients in the disciplines of eye medicine, ENT, dermatology obstetrics and gynaecology and infectious disease
03	Interpret a wide range of basic and complex investigative results holistically and use the data to inform diagnosis and further management.
04	Apply principles of safely prescribing low and high risk medication in a clinical setting appropriately, using relevant resources, taking into account drug pharmacology, side effects, interactions and contraindications.
05	Evaluate treatment initiation, review, modification and the need for onward referral, taking into account compliance, concordance as well as self-help strategies and lifestyle modifications.
06	Analyse simple and complex issues systematically, demonstrating the ability to make autonomous decisions and professional judgements in the absence of complete data.
07	Present evidence of satisfactory attendance and engagement with Inter-Professional Learning opportunities.

Learning, Teaching and Assessment Strategy

The research-informed teaching & learning strategies have been designed to develop theoretical knowledge & awareness of contemporary medical issues and advance knowledge & critical thinking. Students will develop the knowledge, understanding and skills necessary to meet the learning outcomes of the programme through a blended approach. The learning and teaching strategy will include some keynote lectures and multiple practical sessions and seminars. Case based discussion and enquiry based learning will form key elements of the practicals and seminars whilst there will be the requirement of independent study. The module will be delivered using a blended learning approach and thus there will be some content delivered online, synchronously and asynchronously using the virtual learning environment (Canvas) and Zoom. Within both face to face and online delivery both, there will be a mixture of individual and team work where students would work in teams to assess patients in written cases or offer presentations based on aspects of various patient presentations.

Attendance at scheduled Inter-Professional Learning (IPL) opportunities must be attended and completed satisfactorily (LOs: 7) - PASS/FAIL.

Final Summative assessment will comprise of:

A 100 question Single Best Answer (SBA) MCQ exam (3 hours) (LOs: 1-6) - MUST PASS AT 55%
A 100-question safe prescribing and medicines use exam (3 hours) (LOs: 3, 4, 5) - MUST PASS AT 55%

Formative assessments will include:

Formative 50-question SBA paper (1 hour and 30 minutes) (LOs: 1-6)
Formative 50-question safe prescribing and medicines use exam (1 hour and 30 minutes) (LOs: 3, 4, 5)

Mode of Assessment

Type	Method	Description	Weighting
Summative	Examination - MCQ	100 question exam paper (180 minutes): Safe prescribing and medicines use (PASS AT 55%, MUST PASS)	50%
Summative	Examination - MCQ	Single Best Answer (SBA) multiple-choice question exam (180 minutes, PASS AT 55%, MUST PASS)	50%
Summative	Attendance requirement	Inter-professional learning (IPL) opportunities (PASS/FAIL). SUPPLEMENTARY IF NON-ATTENDANCE: Reflection (1000 words)	0%
Summative	Attendance requirement	Inter-professional learning (IPL) opportunities (PASS/FAIL). SUPPLEMENTARY IF NON-ATTENDANCE: Reflection (1000 words)	0%
Formative	Examination - MCQ	50-question Single Best Answer (SBA) multiple-choice exam paper (90 minutes)	N/A
Formative	Examination - MCQ	50-question paper (90 minutes): Safe prescribing and medicines use	N/A

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.