

Full Title:	Pharmacology and Prescribing for Nurses and Midwives
Language of Instruction:	English
Module Code:	57000
Credits:	7.5
Valid From:	Semester 2 - 2019/20 (February 2020)
Module Delivered in	1 programme(s)
Module Description:	<p>This module offers an introduction to the core discipline of Pharmacology. The initial block of lectures covers the concepts of mechanisms of drug action, pharmacokinetics, pharmacodynamics pharmacotherapeutics and pharmacovigilance. The module then proceeds to cover the principal classes of drugs employed clinically to treat diseases in the major body systems. Throughout the module students will gain exposure to the clinical aspects of nurse/ midwife prescribing from various practice contexts and special population groups.</p>
Learning Outcomes:	
<i>On successful completion of this module the learner should be able to</i>	
<ol style="list-style-type: none"> 1. State the general principles of drug action, pharmacodynamics pharmacotherapeutics pharmacokinetics and pharmacovigilance. 2. Describe the pathogenic mechanism that underlies the specific diseases covered. 3. Discuss the pharmacology of the principal classes of drugs acting on major body systems including adverse reactions and interactions. 4. Evaluate through reflection the core principles of the prescribing process as applied to nurse prescribing. 5. Discuss the principles of prescribing for special populations, notably older people, children and young people, pregnant or lactating women, clients with an intellectual disability and those experiencing mental illness. 	

Module Content & Assessment

Indicative Content

Introduction to the core discipline of Pharmacology

• Pharmacokinetics • Pharmacodynamics • Drugs and the autonomic nervous systems • Drugs acting on the heart • Drugs used in hypertension • Lipid lowering drugs; anti-coagulants, drugs and anaemia • Drugs acting on the respiratory system • Drugs acting on the gastrointestinal system • Analgesics • Drugs acting on the endocrine system • Drugs acting on the central nervous system including antidepressants, anti psychotics, drugs used in the treatment of Parkinson's disease and Alzheimer's etc • Antibacterial drugs • Drugs used in the treatment of malignant diseases • Individual differences, drugs used in extremes of life and pregnancy • Drug interactions, adverse reactions, pharmacovigilance • Poisons, antidotes and drugs of abuse • HSE prescribing expert • State claims agency • IMB adverse events and reporting • Special populations from a nursing and midwifery perspective

Assessment Breakdown

Course Work

%

100.00%

Part Time

Course Work

Assessment Type	Assessment Description	Outcome addressed	% of total	Marks Out Of	Pass Marks	Assessment Date	Duration
Open-book Examination	This module will be assessed through an open book exam of short answer questions and a section on nursing and midwifery specific MCQs	1,2,3,4,5	100.00	100	50	End of Year	120

No Project

No Practical

No End of Module Formal Examination

Reassessment Requirement

No repeat examination

Reassessment of this module will be offered solely on the basis of coursework and a repeat examination will not be offered.

DKIT reserves the right to alter the nature and timings of assessment

Module Workload & Resources

This course has no Full Time workload.

Workload: Part Time

Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	3.00	Every Second Week	1.50
Online Learning (non contact)	No Description	3.00	Every Second Week	1.50
Independent Study	No Description	74.00	Once per semester	4.93
Directed Reading	No Description	50.00	Once per semester	3.33
Total Weekly Learner Workload				11.27
Total Weekly Contact Hours				1.50

Resources

Recommended Book Resources

Dilyse Nuttall (Editor), Jane Rutt-Howard (Editor) 2015, *The Textbook of Non-Medical Prescribing*, 2nd Ed., Wiley UK

This module does not have any article/paper resources

Other Resources

Website: HPRA 2019, *Find a medicine*, HPRA, Dublin
<https://www.hpra.ie/>

Website: NIMC 2019, *National Medicines Information Centre*, NIMC, Dublin
<http://www.stjames.ie/Departments/DepartmentsA-Z/N/NationalMedicinesInformationCentre/DepartmentOverview/>

Website: Irish Medicines Formulary 2019, *IMF-Online Edition 25*, Meridian Ireland, Dublin
<https://online.imfmedia.ie/>

Module Delivered in

Programme Code	Programme	Semester	Delivery
1365	Certificate in Nursing/Midwifery Medicinal Product Prescribing	1	Mandatory