

Module Title:	Cardiovascular Disease and Diabetes Patient Care.
Language of Instruction:	English
Credits:	10
NFQ Level:	7
Module Delivered In	1 programme(s)
Teaching & Learning Strategies:	<p>This module will be delivered as 15 x 3 hour theory classes and 15 x 1 hour practical classes. In addition to contact hours, for successful completion of this module, students will be required to undertake a minimum of 150 hours of independent learning. To scaffold this learning, a wide range of resources will be available on Blackboard (including international guidelines, practice tools, discussion boards and reflective diaries). Students will be expected to access this material prior to the theory classes. The primary purpose of the theory classes will be to ensure consistent understanding of material, to correct any inaccuracies, apply theory to practice and to facilitate learning through problem solving, collaboration and discussion. Students will also be provided with opportunities to discuss their individual experience of this area of practice, and to collaborate with other students to ensure the practical application of material across a range of pharmacy contexts and explore a range of scenarios and case studies. Practical classes will address essential practical skills and competencies. These will include the assessment and dispensing of relevant prescriptions to facilitate compliance with legislative requirements, development of consultation skills and other essential communication skills to facilitate effective medicines management, behaviour change and optimise patient outcomes.</p>
Module Aim:	To provide students with the knowledge, skills and competencies required to deliver safe and effective pharmacy services to people with cardiovascular disease and / or diabetes and optimise patient outcomes.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Describe and explain the causes and underlying patho-physiology of diabetes and cardiovascular disease and the challenges these conditions present to patients and the pharmacy team.
LO2	Identify and appraise medicines and devices used in the management of diabetes and cardiovascular disease, in order to deal with basic medicine information queries, drug-drug interactions and recognise evidence-based prescribing. Review and dispense prescriptions under supervision in accordance with legislation, in either a community pharmacy or hospital dispensary.
LO3	Advise patients and their carers on non-pharmacological measures essential for the management of diabetes and cardiovascular disease, and organise and conduct a range of services covering both primary and secondary prevention of cardiovascular disease and diabetes in compliance with best practice guidelines.
LO4	Describe and apply a range of communication techniques, including consultation skills, coaching skills and motivational interviewing. Evaluate the effectiveness of these techniques in a range of pharmacy settings, to optimise medicine use and patient outcomes.
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is recommended before enrolment in this module.</i>	
No recommendations listed	
Incompatible Modules	
<i>These are modules which have learning outcomes that are too similar to the learning outcomes of this module.</i>	
No incompatible modules listed	
Co-requisite Modules	
No Co-requisite modules listed	
Requirements	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.</i>	
Level 6 Pharmacy Technician qualification or appropriate prior learning.	

Module Content & Assessment

Indicative Content

Cardiovascular disease.

Signs, symptoms, risk factors, diagnosis and management (pharmacological & non-pharmacological) of a range of common cardiovascular conditions including hypertension, dyslipidaemias, clotting disorders, ischaemic heart disease, heart failure, stroke, myocardial infarction and atrial fibrillation. Medicine management strategies.

Diabetes

Including but not limited to the signs, symptoms, risk factors and management of type 1, type 2 and gestational diabetes. Sick day rules. Minimising short and long term complications of diabetes.

Health Promotion

Identifying and managing risk factors for cardiovascular disease and diabetes. In terms of lifestyle modifications, there is a strong emphasis on diet and exercise (Smoking is covered in respiratory module). Screening services. Strategies to improve adherence.

Assessment Breakdown	%
Continuous Assessment	40.00%
Practical	20.00%
End of Module Formal Examination	40.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Other	Continuous assessment will include strategies to encourage engagement with on-line resources. These will include quizzes, participation in class discussions (both face to face and via Blackboard) and the use of on-line reflective diaries. Continuous assessment will also include review of case studies, completion of practical work sheets. Students will be required to demonstrate mastery of a range of practical skills (as well as theoretical knowledge) during practical classes.	1,2,3,4	40.00	Every Week

No Project

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	n/a	1,2	20.00	n/a

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Formal exam	1,2,3,4	40.00	End-of-Semester

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Other	Continuous assessment will include strategies to encourage engagement with on-line resources. These will include quizzes, participation in class discussions (both face to face and via Blackboard) and the use of on-line reflective diaries. Continuous assessment will also include review of case studies, completion of practical work sheets. Students will be required to demonstrate mastery of a range of practical skills (as well as theoretical knowledge) during practical classes.	1,2,3,4	40.00	Every Week

No Project

Practical

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Practical/Skills Evaluation	Practical		20.00	n/a

End of Module Formal Examination

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Formal Exam	Final exam will consist of a 3 hour written exam.	1,2,3,4	40.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

Module Workload

Workload: Full Time		
Workload Type	Frequency	Average Weekly Learner Workload
Lecture	12 Weeks per Stage	3.00
Practicals	12 Weeks per Stage	1.00
Independent Learning	15 Weeks per Stage	13.33
Total Hours		248.00

Workload: Part Time		
Workload Type	Frequency	Average Weekly Learner Workload
Lecture	12 Weeks per Stage	3.00
Practicals	12 Weeks per Stage	1.00
Independent Learning	15 Weeks per Stage	5.13
Total Hours		125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_SAPHF_D	Bachelor of Science in Pharmacy Technician Studies	2	Mandatory