

Module Title:	Pathophysiology
Language of Instruction:	English
Credits:	5
NFQ Level:	6
Module Delivered In	4 programme(s)
Teaching & Learning Strategies:	This module will be taught in 4 theory classes per week of one-hour duration. The theory classes will include lecture, Q&A, group discussion, and technological support. All programme material, course calendar, announcements and other course-related information will be available on Blackboard, a virtual learning environment. Students can contact the lecturer outside of class hours to discuss course work.
Module Aim:	The aim of this module is to develop the student's knowledge of the aetiology and preventative measures associated with specific diseases and an understanding of how lifestyle measures may affect the development of these diseases. The student will also be introduced to certain pharmacological and sports related drugs.
Learning Outcomes	
<i>On successful completion of this module the learner should be able to:</i>	
LO1	Distinguish between different pathological diseases and be able to analyze the role pharmacology plays for the treatment of these conditions.
LO2	Discuss and justify the effects of a healthy and active lifestyle in the prevention of disease.
LO3	Describe how to manage and care for individuals with these diseases as a graduate.
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>	
Successful completion of year 1 or equivalent	

Module Content & Assessment

Indicative Content

Theory Section 1

Pathology, incidence, signs and symptoms, complications and overview of treatment of thrombosis, embolism and atherosclerosis, Ischaemic Heart Disease, Myocardial infarction, angina pectoris, hypertension

Theory Section 2

Pathology, incidence, signs and symptoms, complications and overview of treatment of Rheumatoid Arthritis, osteoarthritis, Spondyloarthropathies and osteoporosis

Theory Section 3

Pathology, incidence, signs and symptoms, complications and overview of treatment of Diabetes Mellitus, asthma and chronic obstructive airway disease

Theory Section 4

The effects of a healthy lifestyle (exercise and dietary) on the above mentioned conditions and the repercussions of a negative lifestyle

Theory Section 5

Other relevant diseases; pathology of pain, effects of immobility, osteoporosis, sexually transmitted diseases, cervical and testicular cancers, psychotic disorders e.g. depression, stress, substance abuse, eating disorders, Corticosteroids and their effects on tissue, any other relevant conditions that may arise. Drug treatment for common medical conditions and the effects of drugs on sport performance.

Assessment Breakdown

%

Continuous Assessment

100.00%

Continuous Assessment

Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Short Answer Questions	Continuous assessment throughout the module using short answer questions	1,2,3	100.00	Ongoing

No Project

No Practical

No End of Module Formal Examination

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

Module Workload

Workload: Full Time		
<i>Workload Type</i>	<i>Frequency</i>	<i>Average Weekly Learner Workload</i>
Lecture	12 Weeks per Stage	4.00
Independent Learning	15 Weeks per Stage	5.13
Total Hours		125.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_SASPS_B	Bachelor of Science (Honours) in Sport and Exercise Science	3	Mandatory
CW_SASRA_B	Bachelor of Science (Honours) in Sports Rehabilitation and Athletic Therapy	3	Mandatory
CW_SASAC_B	Bachelor of Science (Honours) in Strength and Conditioning	3	Mandatory
CW_SAPHS_C	Higher Certificate in Science in Physiology and Health Science	3	Mandatory