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| 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 |