

## MODULE DESCRIPTOR

### Module Title

Applied Physiology And Introduction To Pathology

Reference	HS1117	Version	5
Created	February 2023	SCQF Level	SCQF 7
Approved	May 2015	SCQF Points	15
Amended	June 2023	ECTS Points	7.5

### Aims of Module

To provide the student with an applied understanding of the physiological basis of all body systems, and how this impacts upon function in the presence and absence of pathology.

### Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Describe the structure and function of different cells and tissues within the human body.
- 2 Describe the structure of the major systems of the body.
- 3 Relate and apply normal physiology and the structure of the major body systems to their functions.
- 4 Discuss normal function of all major body systems and identify what occurs in the presence of pathology.

### Indicative Module Content

The structure and function of different tissues, identifying the specialisation of their cellular components and relating them to the organ systems which they subserve. The systems to be included: immune system, cardiovascular, heart and vessels; respiratory - lungs and gas exchange; gastrointestinal - gut and digestive system; genitourinary - kidneys and the bladder, reproductive, musculoskeletal, osteology, myology, anthropology, endocrine gland and hormonal control and regulation, CNS, ANS and PNS. Introduction to pathological processes including inflammation, soft tissue healing, fractures and cancer, diabetes and neurological diseases.

### Module Delivery

Workshops and tutorials. Recorded lectures, online live classrooms and directed learning via text books, journal articles and external web base resources.

**Indicative Student Workload**

	Full Time	Part Time
Contact Hours	45	N/A
Non-Contact Hours	105	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

**ASSESSMENT PLAN**

If a major/minor model is used and box is ticked, % weightings below are indicative only.

**Component 1**

Type: Examination Weighting: 100% Outcomes Assessed: 1, 2, 3, 4  
 Description: Multiple Choice Question Examination

**Component 2**

Type: Coursework Weighting: 0% Outcomes Assessed: 3  
 Description: This relates to a minimum of 80% mandatory attendance of all scheduled module delivery. Attendance will be assessed on a pass/unsuccessful basis.

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

C1 is assessed on an A-F basis and is 100% of the grade. To achieve a pass a grade D or above is required and a pass in C2 (80% module attendance).

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	C1 grade A and C2 pass
<b>B</b>	C1 grade B and C2 pass
<b>C</b>	C1 grade C and C2 pass
<b>D</b>	C1 grade D and C2 pass
<b>E</b>	C1 grade E and C2 pass
<b>F</b>	C1 grade F and/or C2 Unsuccessful
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	None, in addition to course entry requirements
Corequisites for module	None.
Precluded Modules	None.

**INDICATIVE BIBLIOGRAPHY**

- 1 HUBERT R.J. and VAN METER, K.C. 2022. Gould's pathology for the Health Professions. (7th Ed.) Elsevier, London.
- 2 WIDMAIER, E.P., RAFF, H., STRANG, K.T AND VANDER, A.J. 2022. Vander's Human Physiology: The Mechanisms of Body Function. 16th Ed. McGraw Hill. New York.
- 3 WELSH, C.J., PRENTICE-CRAVER, C., SHIER, D., BUTLER, J. and LEWIS, R. 2022. Hole's Essentials of Human Anatomy and Physiology 16th Edition. McGraw Hill. New York.