

**This Version is No Longer Current**  
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## MODULE DESCRIPTOR

### Module Title

Applied Physiology And Introduction To Pathology

|           |             |             |        |
|-----------|-------------|-------------|--------|
| Reference | HS1117      | Version     | 2      |
| Created   | June 2017   | SCQF Level  | SCQF 7 |
| Approved  | May 2015    | SCQF Points | 15     |
| Amended   | August 2017 | 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 impact 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 Identify and describe the structure of the major systems of the body.
- 3 Relate the structure to the function of all the major systems.
- 4 Discuss normal function of all major body system 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: cardiovascular, heart and vessels; respiratory ? lungs and gas exchange; gastrointestinal ? gut and digestive system; genitourinary ? kidneys and the bladder, reproductive, musculoskeletal, osteology, myology, anthology, endocrine gland and hormonal control and regulation, CNS and PNS. Introduction to pathological processes including inflammation, soft tissue healing, fractures and cancer.

### Module Delivery

Lectures, workshops, tutorials, supported with on-line 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: MCQ exam

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

This is an MCQ examination

| Module Grade | Minimum Requirements to achieve Module Grade:                                  |
|--------------|--|
| <b>A</b>     | 70% and over   |
| <b>B</b>     | 60-69%   |
| <b>C</b>     | 50-59%   |
| <b>D</b>     | 40-49%   |
| <b>E</b>     | 30-39%   |
| <b>F</b>     | 29% or less  |
| <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**

- HUBERT R.J. and VAN METER, K.C. 2022. Gould's pathology for the Health Professions. (7th Ed.) Elsevier, London.
- 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.
- 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.