



## Module Definition Form (MDF)

<b>Module code: MOD006284</b>	<b>Version: 4 Date Amended: 23/Apr/2024</b>
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<b>1. Module Title</b>
Human Anatomy and Physiology

<b>2a. Module Leader</b>
Rudolph Schutte

<b>2b. School</b>
School of Allied Health and Social Care

<b>2c. Faculty</b>
Faculty of Health, Medicine and Social Care

<b>3a. Level</b>
4

<b>3b. Module Type</b>
Standard (fine graded)

<b>4a. Credits</b>
30

<b>4b. Study Hours</b>
300

<b>5. Restrictions</b>			
Type	Module Code	Module Name	Condition
Pre-requisites:	None		
Co-requisites:	None		
Exclusions:	None		
<b>Courses to which this module is restricted:</b>			

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

### 6a. Module Description

The human body is a complex collection of systems interacting in a way that allows it to meet the demands of a daily routine. It has the ability to adapt to changing environments to maintain the internal environment within the physiological range for its survival. Explore the basic concepts of human anatomy and physiology and provide an underpinning basis for future modules. Links with ill health, well-being and disruption to homeostatic mechanisms will be put into context of normal anatomy and physiology. This will be followed by the nervous and endocrine systems, and the musculoskeletal, and respiratory systems. You'll also study organ systems including the cardiovascular system, urinary system, and digestive system. Where appropriate, relevant pathophysiology will be introduced in parallel with the normal structure and functioning of the above systems. You'll engage in anatomy and physiology-based practical sessions in the laboratory that'll develop your practical skills.

### 6b. Outline Content

- Basic human anatomy and concepts – homeostasis; cells and tissues; functional histology
- Central and peripheral nervous system and special senses – neural tissue; the spinal cord, spinal nerves, and spinal reflexes; the brain and cranial nerves; sensory pathways and the somatic nervous system; the autonomic nervous system and higher order functions; the special senses
- Endocrine system
- Musculoskeletal system
- Respiratory system
- Cardiovascular system – blood; the heart; blood vessels and circulation
- Urinary system; fluid, electrolyte, and acid-base balance
- Lymphatic system and immunity
- Digestive system
- Reproductive system

### 6c. Key Texts/Literature

The reading list to support this module is available at: <https://readinglists.aru.ac.uk/>

### 6d. Specialist Learning Resources

N/A

7. Learning Outcomes (threshold standards)		
No.	Type	On successful completion of this module the student will be expected to be able to:
1	Knowledge and Understanding	Describe the key anatomical features of the human body.
2	Knowledge and Understanding	Explain the function of the various body systems, their interactions and analyses associated pathology.
3	Intellectual, practical, affective and transferrable skills	Work collaboratively with others to carry out practical experiments, develop basic laboratory skills, and undertake data collection.
4	Intellectual, practical, affective and transferrable skills	Develop scientific writing skills and demonstrate the ability to find, use and critically evaluate sources of information and correctly reference these sources and avoid plagiarism and collusion.

8a. Module Occurrence to which this MDF Refers				
Year	Occurrence	Period	Location	Mode of Delivery
2025/6	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	Hours	Learning Outcomes	Details of Duration, frequency and other comments
Lectures	48	1-4	2 h per week combining lectures and seminars
Other teacher managed learning	24	1-4	6 x 3h laboratory sessions; 6 X 1h tutorials
Student managed learning	228	1-4	Self-directed study
TOTAL:	300		

<b>9. Assessment for the above Module Occurrence</b>					
<b>Assessment No.</b>	<b>Assessment Method</b>	<b>Learning Outcomes</b>	<b>Weighting (%)</b>	<b>Fine Grade or Pass/Fail</b>	<b>Qualifying Mark (%)</b>
010	Coursework	1,2,4	40 (%)	Fine Grade	30 (%)
<b>Essay of 1500 words (Sem 1)</b>					
<b>Assessment No.</b>	<b>Assessment Method</b>	<b>Learning Outcomes</b>	<b>Weighting (%)</b>	<b>Fine Grade or Pass/Fail</b>	<b>Qualifying Mark (%)</b>
011	Examination Chelmsford	1-2	60 (%)	Fine Grade	30 (%)
<b>2 h examination (Sem 2) equivalent to 2000 words</b>					
<b>Assessment No.</b>	<b>Assessment Method</b>	<b>Learning Outcomes</b>	<b>Weighting (%)</b>	<b>Fine Grade or Pass/Fail</b>	<b>Qualifying Mark (%)</b>
012	Practical	3	0 (%)	Pass/Fail	100 (%)
<b>Signed off skills log (Sem 1&amp;2)</b>					

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7\*).

In addition, students are required to:

- (a) achieve the qualifying mark for each element of fine graded assessment as specified above
- (b) pass any pass/fail elements

[\* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]