

**MODULE SPECIFICATION**

Part 1: Information			
Module Title	Anatomy and physiology		
Module Code	USSJT8-30-1	Level	1
For implementation from	September 2017		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Health & Applied Sciences	Field	Applied Sciences
Department	Applied Sciences		
Contributes towards	FdSc Healthcare Science BSc (Hons) Healthcare Science (Life Sciences) BSc (Hons) Healthcare Science (Clinical Engineering) BSc (Hons) Healthcare Science (Physiological Sciences)		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	N/A		
Co- requisites	N/A		
Module Entry requirements	None		

Part 2: Description
<p>This module provides the learner with essential knowledge and understanding of the anatomy and physiology of the human body. The syllabus includes:</p> <ul style="list-style-type: none"> • Anatomical terminology, cross sectional anatomy & histology • Cells to systems, homeostasis and an introduction to the skeletal system • Muscle structure and function, and major muscle groups • The brain and nervous system • Nerves and synapses • Cardiovascular system & blood pressure • Respiratory system and pressure and ventilation • Human development & reproductive systems • Renal & urinary anatomy and physiology • Gastrointestinal and hepatobiliary • Endocrinology • Sensory & Sleep Physiology <p>There will be 3 weeks of contact time at UWE in 3 x 1 week blocks. Included in each block week are laboratory workshops, lectures and tutorials. The contact time will equate to approximately 12 hours per block (a total of 36</p>

hours).

In addition to the allocated hours on campus learning, students will engage in synchronous and asynchronous online learning. This will comprise a total of approximately 36 hours of online engagement through a combination of lectures, synchronous online tutorials, synchronous and asynchronous discussions, online quizzes, and collaborative group work.

Theoretical material within the module will be presented to the students in the form of regular lectures throughout each of the semesters in the academic year. During those times of work based learning, these lectures will be delivered online and involve a number of technological enhancements. The learning of lecture content will be reinforced through time spent in independent learning by the directed reading of recommended texts and through the use of technology enhanced learning resources that will be provided online. This online learning and engagement will be delivered through several avenues:

- Synchronous online tutorials in protected learning time where the student will contribute/attend an online activity appropriate to the content at the time at which the academic will be present online to facilitate and lead this scheduled/timetabled session. This tutorial will be themed/planned.
- Asynchronous discussions in the student's own time (or during protected time where permitted and appropriate) where they will engage/collaborate with other students on the course or in specified groups, and in which the academic is permitted to moderate where necessary, but is not expected to contribute.
- Synchronous surgery sessions timetabled for a specific time in which the academic will be available online to answer live questions via discussion boards/blogs/collaborate or to respond to questions posted/asked prior to the session.
- Interactive, online formative quizzes made available either following a particular package of knowledge exchange/learning, or in specified sessions/time periods.
- Lectures delivered online through a combination of one or more of the following:
visual/audio/interactivity/personal formative assessment

A number of relevant practical sessions will be incorporated during the campus based blocks in addition to the work based learning that must be achieved under supervision by a workplace supervisor. Practical sessions will both drive hands on learning and the acquisition of technical skills at both an individual and group working level.

The remainder of the independent learning time allocated to the module should be spent preparing written assessments for submission [B1, B2], and undertaking revision for the exams [A1, A2].

Scheduled learning includes lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.

Independent learning includes hours engaged with essential reading, case study preparation, assignment preparation and completion etc. These sessions constitute an average time per level as indicated in the table below. Scheduled sessions may vary slightly depending on the module choices you make.

Part 3: Assessment

The Assessment Strategy has been designed to support and enhance the development of both subject-based and more general skills, whilst ensuring that the modules learning outcomes are attained, as described below.

Component A

The written exams will provide students with an opportunity to demonstrate both their knowledge on a broad range of topics through a series of multiple choice and short answer questions as appropriate.

Component B

The ability of the students to write scientifically and analyse data will be assessed under the first element in the form of a practical report. Feedback will be provided.

The second element is an integrated assignment, designed to test the students' ability to critically discuss a

scientific topic.

Formative feedback is available to students throughout the module through group discussions, and in workshops. Students are provided with formative feed-forward for their exam through a revision and exam preparation session prior to the exam and through the extensive support materials supplied through Blackboard.




All work is marked in line with the Department's Generic Assessment Criteria and conforms to university policies for the setting, collection, marking and return of student work. Where an individual piece of work has specific assessment criteria, this is supplied to the students when the work is set.

This assessment strategy has been designed following best practice on effective assessment from JISC (<http://www.jisc.ac.uk/whatwedo/programmes/elearning/assessment/digiassess.aspx>) and The Open University's Centre for Excellence in Teaching and Learning (<http://www.open.ac.uk/opencetl/centre-open-learning-mathematics-science-computing-and-technology/activities-projects/e-assessment-learning-the-interactive-comp>).

Technical design and deployment of the activities will also follow best practice developed at UWE by the Education Innovation Centre in collaboration with academic colleagues across the university. Staff guidance and support are already in place (<http://info.uwe.ac.uk/online/Blackboard/staff/guides/summative-assessments.asp>).

Identify final timetabled piece of assessment (component and element)	A2	
% weighting between components A and B (Standard modules only)	A:	B:
	40%	60%
First Sit		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Examination (1.5 hours)	50%	
2. Examination (1.5 hours)	50%	
Component B Description of each element	Element weighting (as % of component)	
1. Practical report	50%	
2. Integrated assignment	50%	
Resit (further attendance at taught classes is not required)		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Examination (3 hours)	100%	
Component B Description of each element	Element weighting (as % of component)	
1. Practical report	50%	
2. Integrated assignment	50%	

Part 4: Teaching and Learning Methods

Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ul style="list-style-type: none"> • Use and understand basic anatomical terminology [A1, B1, B2] • Explain the principles of homeostasis and recognise homeostatic control mechanisms, [A1, A2, B1, B2] • Describe the different tissue types at the cellular and tissues levels [A1, A2, B1, B2] • Identify major bones of the human skeleton, and their function [A1, A2, B1, B2] • To be able to relate the position, orientation, and gross anatomy of major organs to their respective systems [A1, A2, B1, B2] • To understand the structure and physiological function of key core systems, such as respiratory, cardiovascular, endocrine, reproductive, gastrointestinal, neurological, renal, hepatic [A1, A2, B1, B2] • Demonstrate practical skills in data observation, collection, handling and report writing [B1, B2] • Demonstrate a broad knowledge of anatomy and physiology and be able to apply that knowledge to clinically relevant scenarios [A1, A2, B1, B2]. • Understand and discuss the histological differences of key systems [A1, A2, B1, B2] 																															
Key Information Sets Information (KIS)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: left;">Key Information Set - Module data</th> </tr> </thead> <tbody> <tr> <td colspan="5"><i>Number of credits for this module</i></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: center; border: 2px solid black;">30</td> </tr> <tr> <td style="background-color: #e0e0e0;">Hours to be allocated</td> <td style="background-color: #e0e0e0;">Scheduled learning and teaching study hours</td> <td style="background-color: #e0e0e0;">Independent study hours</td> <td style="background-color: #e0e0e0;">Placement study hours</td> <td style="background-color: #e0e0e0;">Allocated Hours</td> <td></td> </tr> <tr> <td style="text-align: center;">300</td> <td style="text-align: center;">72</td> <td style="text-align: center;">228</td> <td style="text-align: center;">0</td> <td style="text-align: center;">300</td> <td style="text-align: center;"></td> </tr> </tbody> </table>					Key Information Set - Module data					<i>Number of credits for this module</i>									30	Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours		300	72	228	0	300	
Key Information Set - Module data																																
<i>Number of credits for this module</i>																																
				30																												
Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours																												
300	72	228	0	300																												
Contact Hours	<p>The table below indicates as a percentage the total assessment of the module which constitutes a;</p> <p>Written Exam: Unseen or open book written exam Coursework: Written assignment or essay, report, dissertation, portfolio, project or in class test Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam (i.e. an exam determining mastery of a technique)</p>																															
Total Assessment	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Total assessment of the module:</th> </tr> </thead> <tbody> <tr> <td style="width: 80%;">Written exam assessment percentage</td> <td style="text-align: center;">40%</td> </tr> <tr> <td>Coursework assessment percentage</td> <td style="text-align: center;">60%</td> </tr> <tr> <td>Practical exam assessment percentage</td> <td style="text-align: center;">0%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </tbody> </table>					Total assessment of the module:		Written exam assessment percentage	40%	Coursework assessment percentage	60%	Practical exam assessment percentage	0%		100%																	
Total assessment of the module:																																
Written exam assessment percentage	40%																															
Coursework assessment percentage	60%																															
Practical exam assessment percentage	0%																															
	100%																															
Reading List	<p>The module reading list can be accessed through the following link:</p> <p>https://uwe.rl.talis.com/lists/687373CE-D0CD-4151-C3DB-D1EF1DCA1B31.html</p>																															

FOR OFFICE USE ONLY

First CAP Approval Date	21/11/2012			
Revision CAP Approval Date	31/5/2017	Version	2	RIA 12283