University of the West of England
BRISTOL

CORPORATE AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data						
Module Title	Essentials of Health and Disease					
Module Code	UZTSLJ-30-1		Level	1	Version	2
Owning Faculty	Health and Applied Sciences		Field	Continuing Care Adult Nursing		
Contributes towards	Foundation Science Degree in Health and Social Care Practice (FdSc HSCP)					
UWE Credit Rating	30	ECTS Credit Rating	15	Module Type	Standard	
Pre-requisites	None		Co- requisites	None		
Excluded Combinations	None		Module Entry requirements			
Valid From	January 2017		Valid to	2019		

CAP Approval Date	29 May 2013 15 November 2016 (v2)

Part 2: Learning and Teaching	
Learning Outcomes	On successful completion of this module students will be able to: • Demonstrate and apply an understanding of basic anatomy and physiology Identify key structures in different anatomical planes from related surface anatomy (Component A, Component B). • Describe the structure and function of cells, tissues and physiological systems and the complex nature of their interactions (Component A, Component B). • Explain the concept of homeostasis and its relationship with health (Component B). • Identify the physiological needs and key processes necessary for maintaining homeostasis at different stages of the human life cycle (Component A, Component B). • Demonstrate an understanding of the physiological processes involved in pathologies commonly seen in practice (Component B).

Syllabus Outline	• Introduction
	  • Regions of the body and surface anatomy, anatomical terms.
	  • Overview of the organs and systems of the body.
	  • Integrated functioning of organ systems.
	▪ Cells and tissues
	  • Cell structure and function.
	  • Cell cycle and mitosis.
	  • Classification of tissues.
	▪ Nutrition
	  • Principles of nutrition.
	  • Anatomy and physiology of the digestive system.
	  • Regulation of eating, including metabolism.
	  • Structure and function of the liver
	▪ Transportation

	• Structure and function of the heart and blood vessels • Blood and body fluids • Control of circulation and blood pressure • Anatomy of the respiratory system • Physiology of ventilation, gas exchange and control of breathing ▪ Excretion • Structure and function of the urinary system • Control of fluid balance ▪ Defence • Structure and function of the skin • The anatomy and physiology of the lymphatic system • Introduction to micro-organisms • Introduction to immune response; vaccination ▪ Movement • Anatomy and physiology of the muscular and skeletal systems • Function and movement of joints • Introduction to posture and its control ▪ Control systems and regulation • Anatomy of the endocrine system and roles of hormones • Anatomy of the central and peripheral nervous systems • Synapses and neurotransmission • General function of the control systems in maintaining homeostasis ▪ Reproduction • Male and female reproductive systems ▪ Development and ageing • Life cycle stages and changes • Impact of development and ageing on the systems of the body ▪ Pathologies • Common pathologies linked to specific practice areas, key systems and body functions.
Contact Hours	300 hours in total
Teaching and Learning Methods	**Scheduled learning** might include lectures, practical workshops, individual tutorials, and assignment supervision. Students will bring clinical examples from their own practice to further consider application of content and exploration of linked pathologies. The use of anatomical models, structured workbooks and online learning tools such as 'Anatomy TV' online and 'Clinical Skills' online will be encouraged. **Independent learning** includes hours engaged with essential reading, case example preparation, completion of guided study workbooks, and assessment preparation. Students will be guided to topic areas for specific lecture and independent study related to the module content. It is suggested that session preparation will take on average 2 hours per week. NB the above breakdown of learning hours is an indicative example only, and is subject to change dependent on delivery location.
Key Information Sets Information	Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.

Number of credits for this module				30
Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours
300	72	228	0	300

The table below indicates as a percentage the total assessment of the module which constitutes a -

Written Exam: Seen and unseen written exam

Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the Assessment section of this module description:

Total assessment of the module:	
Written exam assessment percentage	100%
Coursework assessment percentage	0%
Practical exam assessment percentage	0%
	100%

Reading Strategy	**Essential Reading** will be clearly indicated as needed and focussed on topic at the time. Students are not be asked to purchase a set text for this module due to the wide variety of texts available but printed study packs and electronically available texts may be used, and clear guidance as to the required level of depth of detail in terms of reading will be given. **Further Reading** is encouraged and students will be advised to access library catalogue, a range of bibliographic and full text databases, and other internet resources. This will ensure that students become familiar with the library systems, database searching methods and a variety of relevant literature (including current research in the appropriate fields) specific to the module and their own areas of interest. Wherever possible works will be accessible remotely via the library systems. **Access and Skills** Students will have access to both UWE library and their college library facilities and on-line systems. The module handbook will include suggested key texts for the module and guidance as to how literature can be accessed. All students will be encouraged to make use of the extensive print and electronic resources available to them through membership of UWE and the associated college libraries and to which they will be introduced at the start of their course, including an introduction to the UWE library web-pages which provide access to a wide range of resources and the full library catalogue available across a number of sites. Ongoing library support will be available through the library 'my skills' study area via the Library web pages, telephone enquiries line, and through library attendance and workshops.
Indicative Reading List	The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. However, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms.

	Texts Alcamo, E. Bergdahl, J. (2012) *Anatomy Coloring Workbook*. 3rd Ed New York: Random House Cohen, B. J. Hull, K.L. & Memmler, R. L (2015) *Memmler's the Human Body in Health and Disease.* 13th ed. Philadelphia: Wolters Kluwer. McGuinness, H. (2010) *Anatomy and Physiology Therapy Basics.* 4th ed. London: Hodder Arnold Sanders, T. and Scanlon, V. (2007) *Student Workbook for Essentials of Anatomy and Physiology*. 5th ed. Philadelphia: F. A. Davis Company Tortora, G. J. and Derrikson, B. H. (2014) *Principles of Anatomy and Physiology*. 14th ed. New York: Wiley Waugh, A. and Grant, A. Chambers G. (2014) *Ross and Wilson's Anatomy and Physiology in Health and Illness*. 12th ed. Edinburgh: Churchill Livingstone Elsevier

Part 3: Assessment	
Assessment Strategy	**The assessment is in 2 parts** • Component A is a 1 hour exam to assess knowledge and understanding of content delivered and taught to date. This might be for example multiple-choice questions. • Component B is a 2 hour seen examination focussing on application of knowledge. This might include 1. Short answer questions to assess knowledge and understanding of anatomy and physiology and its application to health and disease. This paper can be used to assess knowledge and understanding of basic anatomy and physiology through pictorial forms, such as labelling or annotating a diagram to give a brief overview of the processes related to different structures and organs. 2. A seen essay question: This will have been given to students from the module start date to allow preparation in advance. And have choices of questions. This would demonstrate constructive learning. E.g. the student might discuss the structure and function of a key body system, and the impact of linked pathology on the system with consideration on how this may impact upon homeostasis of the body as a whole. Opportunities for formative assessment will exist, including the use of technology such as turning-point for formative multiple-choice assessments, and group presentations on specific subject matter. Students will be formatively assessed during their engagement in practical workshops and clinical skills training. Formative feedback will be available from peers and/or tutors in verbal and/or written form depending on the formative methods used. Students will receive a group assignment tutorial session where the assessment strategy and requirements will be explained and explored. Students will be given sample questions for group and individual practice opportunities. All students will engage with personalised tutorials held as part of the

	programme design and GDP process. These can be used to focus on the development of student skills relevant to the assessment method.

Identify final assessment component and element	**Component B**	
% weighting between components A and B (Standard modules only)	**A:** **30%**	**B**: **70%**

First Sit	
Component A (controlled conditions) **Description of each element**	**Element weighting** **(as % of component)**
1. 1 hour examination	100%
Component B **Description of each element**	**Element weighting** **(as % of component)**
1. 2 hour examination	100%

Resit (further attendance at taught classes is not required)	
Component A (controlled conditions) **Description of each element**	**Element weighting** **(as % of component)**
1. 1 hour examination	100%
Component B **Description of each element**	**Element weighting** **(as % of component)**
1. 2 hour examination	100%
If a student is permitted an **EXCEPTIONAL RETAKE** of the module the assessment will be that indicated by the Module Description at the time that retake commences.	

FOR OFFICE USE ONLY

First CAP Approval Date	29 May 2013			
Revision CAP Approval Date	15 November 2016	Version	2	*Link to RIA*