

Applied Physiology

Module Code:	HWS4006-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Nursing and Healthcare Leadership
Subject Area:	Health, Well-Being and Social Care
FHEQ Level:	FHEQ Level 4

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	24
Seminar	24
Directed Study	152

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims

To introduce students to the organisation of the human body and its major systems, in order to distinguish between healthy and diseased states including their prevention and treatment in contemporary healthcare.

Outline Syllabus

Organisation of the human body. Physiology of the cardiovascular system, respiratory system, endocrine system, brain and nervous system, digestive system, urinary system, immune system, skeletal system, including homeostasis. Selected chronic diseases such as cardiovascular disease, hypertension, thrombosis, chronic obstructive pulmonary disease, asthma, diabetes, stroke, dementia, Parkinson's disease, multiple sclerosis, epilepsy, renal failure, cancer, hepatitis C, HIV/AIDS, osteoporosis, arthritis. Primary and secondary

prevention of chronic diseases and management of long-term conditions, public health measures to promote wellbeing, lifestyle factors that lead to chronic illness and body dysfunction, healthy behaviours to maintain body function.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1 1a. Describe the normal functioning of selected body systems and their control and to recognise gross disturbances of the systems. 1b. Identify the prevention and treatment approaches of chronic diseases of selected body systems.
- 2 2a. Apply your knowledge of chronic disease states in the context of contemporary health education and promotion, public health campaigns, and policy directives. 2b. Discuss the functioning of selected body systems, including the consequences of failures in systems and lifestyle factors/healthy behaviours and identify prevention mechanisms.
- 3 3a. Develop problem-solving skills and information technology skills.

Learning, Teaching and Assessment Strategy

This module will be delivered using research informed teaching with key lectures, tutorials, seminars, directed study, formative feedback and summative assessment. Key lectures will be in large groups and will focus student's subject specific knowledge in relation to body systems, chronic disease states, lifestyle factors/health behaviours and prevention and treatment of illness/disease (LO 1a, 1b, 2a, 2b). Use will be made of technology enhanced learning via the VLE and ANATOMY.TV to complement learning in the classroom and will provide access to relevant web sites and e-learning resources (LO 1a, 1b, 2a, 2b 3a). Lectures, seminars, group work and individual tutorials will provide students with the opportunity to enhance their writing skills, practice MCQ questions and enhance their knowledge(LO 1a, 1b, 2a, 2b). Directed study will enable students to develop and expand their knowledge and analytical skills by undertaking reading of key texts to support preparation for summative assessment and to access online materials (LO 1a, 1b, 2a, 2b). Formative assessment and feedback will be available at individual/group tutorial sessions and electronic communication to facilitate reflection, preparation for summative assessment. All LO's will be assessed by an on-line MCQ exam which will bring together all the learning to demonstrate that all elements of the learning outcomes have been achieved.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - MCQ	An on-line MCQ exam	2 hours	100%	Yes

Legacy Code (if applicable)

Reading List

To view Reading List, please go to [rebus:list](#).