

Module Details	
Module Title	Anatomy and Pathology of Disease
Module Code	CLS5007-B
Academic Year	2022/3
Credits	20
School	School of Pharmacy and Medical Sciences
FHEQ Level	FHEQ Level 5

Contact Hours	
Type	Hours
Lectures	18
Practical Classes or Workshops	30
Supervised time in studio/workshop	12
Directed Study	140

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year

Module Aims
<ul style="list-style-type: none"> <li>* To enhance students' knowledge of gross anatomy, building upon the foundational framework in systems physiology and anatomy to correlate structure with function in the human body.</li> <li>* To examine and discuss the mechanisms of pathophysiology and the development of disease in the structures and systems studied, with a focus on current public health issues where appropriate.</li> <li>* To critically review and analyse recent research findings in relevant anatomy and pathology, including treatments where appropriate.</li> </ul>

Outline Syllabus
<p>The module will cover the anatomy of the major anatomical structures of the thorax, abdomen, pelvis, limbs, and head, correlating normal anatomical structure with function.</p> <p>Students will develop their understanding of the changes in normal anatomy during pathological disease processes (including histological changes), linking these to clinical case studies and research.</p> <p>This module will also allow students to investigate the current research in the field of anatomy and clinical pathology.</p>

Learning Outcomes	
Outcome Number	Description
LO1	Demonstrate a clear understanding of the anatomical structures of the thorax, abdomen, pelvis, limbs and head.
LO2	Apply the principles of the basic pathological changes which occur in the structures and systems covered (comparing and contrasting with normal anatomy).
LO3	Utilise visual and histological examination to identify normal anatomical structures, relate them to function.
LO4	Explain and classify pathological changes at both a macroscopic and microscopic level.
LO5	Evaluate and discuss recent / ongoing advancements in anatomical sciences and clinical pathology relating to the topics covered in the module.
LO6	Collect, evaluate and draw conclusions from clinical data using sources of information available within the discipline.
LO7	Utilise effective communication skills to disseminate complex scientific data in an appropriate manner.

Learning, Teaching and Assessment Strategy
<p>The core knowledge and understanding required for this module will be delivered using guided pre-reading and self-directed study alongside support workshops, and will be assessed at regular points throughout the academic year.</p> <p>Workshops will allow students to apply their knowledge and understanding to case studies and current research, engage with physical materials such as anatomical models, specimens and (if available) prosections, ensuring that students can apply their theoretical knowledge to actual anatomical and pathological specimens. Anatomical simulations, videos and other online resources will be used to support both self-directed learning and taught lecture material, and this will be supported with tutorials, allowing students check their knowledge and to explore the concepts in more depth.</p> <p>Students will be expected to further enhance their understanding and apply their knowledge during self-directed study, in preparation for initial assessments, tutorials, workshops and laboratory classes. The learning outcomes and module content will be assessed at regular points during the academic year, at the start of each ?topic?. These will be relatively low-stakes assessments designed to check students understanding and application of the core topic knowledge and to encourage engagement with the material.</p> <p>A formative examination (during semester 2) will provide students with a means of assessing their knowledge and identifying areas of weakness, in preparation for the summative examination at the end of the academic year.</p> <p>Summative assessment of the learning outcomes is through an examination at the end of the academic year. The format of the examination will enable students to demonstrate their understanding and also their application of knowledge to case studies and clinical scenarios.</p>

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Examination - practical/laboratory	In-course assessments (180 minutes total). SUPPLEMENTARY: Viva examination (omponents.	30%
Summative	Examination - Closed Book	Final closed-book examination (120 minutes): short answer and multiple choice questions.	70%
Formative	Examination - Open Book	Formative short answer questions examination (120 minutes)	N/A

Reading List
To access the reading list for this module, please visit <a href="https://bradford.rl.talis.com/index.html">https://bradford.rl.talis.com/index.html</a>

*Please note:*

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*

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