

Module Details	
Module Title	Virtual Anatomy for Forensic Sciences
Module Code	ARC5017-B
Academic Year	2020/1
Credits	20
School	School of Archaeological and Forensic Sciences
Subject Area	Forensic Science
FHEQ Level	FHEQ Level 5
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	10
Online Lecture (Synchronous)	10
Practical Classes or Workshops	22 (online workshop)
Online Seminar (Synchronous)	8
Directed Study	156

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

Module Aims
This module will encourage you to explore and develop your knowledge of anatomical structures and tissues in a systematic way using digital media alongside traditional methods. Students will learn to use and critically evaluate digital resources, and apply their anatomical knowledge to forensic case work.

Outline Syllabus

Semester 1:

Week/Session Topics

1/Lecture Introduction
 2/Workshop Online anatomy apps
 3/Workshop Musculoskeletal
 4/Workshop Nervous & Cardiovascular
 5/Workshop Major organs
 6/Lecture Radiography
 7/Seminar Forensics in the digital age
 8/Workshop Academic writing skills
 9/Workshop Presentation skills
 10/Assessment 1 Presentation
 11/Self-study Reading week
 12/Lecture Guest lecture

Semester 2:

Week/Session Topics

1/Lecture Introduction
 2/Workshop Normal variation; Abnormal anatomy
 3/Workshop Injury patterns
 4/Workshop Non-accidental injury
 5/Seminar Forensic case study: non-accidental/abuse
 6/Lecture Weapon injuries
 7/Seminar Forensic case study of weapon trauma
 8/Self study Reading week
 9/Assessment 2 Worksheet
 10/Lecture Bone injuries
 11/Seminar Forensic case study: bone trauma
 12/Lecture Guest lecture

NB: Topics may be subject to change.

Learning Outcomes

Outcome Number	Description
01	Demonstrate the ability to research and critically evaluate digital resources.
02	Use those resources to report on the trauma/pathology of a forensic case.
03	Identify and evaluate a range of digital and on-line methods of studying anatomy.
04	Demonstrate the ability to apply anatomical knowledge to your interpretation of a forensic scenario involving trauma.
05	Conduct independent research into digital forensic methods and communicate that research effectively in writing and through presentations.

Learning, Teaching and Assessment Strategy

Group work, tutorials, workshops and individual presentations will be used to develop your knowledge of anatomy and to identify and evaluate digital resources. These will be supported by interactive lectures, workshops and formative assessment of your knowledge. During directed study hours, you are expected to undertake research for evaluating potential digital resources, and report on one of a selection of forensic cases using knowledge you have gained. Lectures and workshops initially planned for online delivery, may be brought on campus dependent upon conditions.

For assessment 1, you will give a presentation on the use of digital technology in anatomy and/or forensics. For assessment 2, you will be provided with a worksheet that will test your understanding of human anatomy (e.g. annotate diagrams) and forensics cases (e.g. short essay style questions).

ASSESSMENT 1: SEMESTER 1 (week 10) - online delivery

ASSESSMENT 2: SEMESTER 2 (week 9) - submit via Canvas

Written summative feedback will be given within 20 working days of submission, via Canvas and an opportunity offered to discuss the feedback.

Penalties: Exceeding the word limit by up to 10% will not be penalised. Assessments that exceed the word limit by over 10% will have marks deducted on a pro-rata basis. For example Assignment length 1000 words. Submission 1000 - 1100 words ? no penalty. Submission 1150 words ? 15% deducted etc.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Presentation	Individual Presentation	15 mins	50%
Summative	Coursework	Worksheet (2000 words)	N/A	50%
Formative		Presentation	15 minutes	N/A
Formative	Presentation	Presentation	15 minutes	N/A

Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

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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