

Module Details	
Module Title	Musculoskeletal and Comparative Anatomy
Module Code	ARC7037-C
Academic Year	2020/1
Credits	30
School	School of Archaeological and Forensic Sciences
Subject Area	Archaeological Sciences
FHEQ Level	FHEQ Level 7
Pre-requisites	N/A
Co-requisites	N/A

Contact Hours	
Type	Hours
Online Lecture (Synchronous)	15
Laboratories	22.5
Practical Classes or Workshops	2
Directed Study	260.5

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Semester 1
BDA	University of Bradford / Semester 2

Module Aims
To provide students with a detailed knowledge of human musculoskeletal anatomy, with an emphasis on a functional approach to the identification and description of fragmented human remains recovered from archaeological contexts. To provide students with the ability to identify mammalian remains to species level. To provide students with an understanding of the survival of soft tissue remains in archaeological settings.

Outline Syllabus

FAUNAL:-

introduction to faunal remains; fore and hind limbs; locomotion & feet - metapodia, phalanges, carpals & tarsals; crania, mandibles & teeth; ageing.

HUMAN:-

Anatomical Nomenclature and Introduction to Soft Tissues; The Pectoral Girdle and Arm: Biomechanics; The Forearm and Hands; The Spine and Thorax Faunal: Vertebrae, scapula, pelvis; The Pelvic Girdle; The Leg, Knee and Feet; The skull: Basic Structures; Neurocranium; The skull: Viscerocranium; Dentition; Decomposition and preservation of soft tissues; The analysis of soft tissues.

Learning Outcomes

Outcome Number	Description
01	Demonstrate a working knowledge of human and mammalian musculoskeletal anatomy that can be used to identify faunal bones and detailed knowledge of fragmentary human remains
02	Identify and describe human remains and will have an appreciation of the development and how ontogenetic changes have influenced human anatomy
03	Identify mammalian remains to species level.
04	Understand how soft tissue can be preserved in ancient human remains.
05	Make refined observational judgements, and record and communicate findings accurately.

Learning, Teaching and Assessment Strategy

Sessions will be in the form of laboratory practicals and lectures. There will be a formative practical bone quiz every two weeks prior to the laboratory practical sessions, which will include feedback on the quiz with the specimens present. Students will be able to use Directed Study for reading of literature detailed in the module documentation and for researching and preparing for coursework. Teaching will utilise a combination of online and face to face activities.

One mid-term and one end-term summative bone quiz will be taken that will enable the student to demonstrate their understanding of what has been covered in the lectures and practicals.

An essay of 3000 words from a choice of topics will also be undertaken and written feedback will be provided.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	Practical Quiz	1 hour	25%
Summative	Coursework	Practical Quiz	1 hour	25%
Summative	Coursework	3000-word essay from a choice of topics regarding human anatomy, soft tissue, faunal remains	N/A	50%

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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