UNIVERSITY of BRADFORD

Module Descriptor

Module Details	
Module Title:	Musculoskeletal and Comparative Anatomy
Module Code:	ARC7037-C
Academic Year:	2019-20
Credit Rating:	30
School:	School of Archaeological and Forensic Sciences
Subject Area:	Archaeology
FHEQ Level:	FHEQ Level 7 (Masters)
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	**Hours**
Seminar	15
Laboratory	45
Directed Study	240

Availability	
Occurrence	**Location / Period**
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims

To provide students with a detailed knowledge of human musculo-skeletal 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

Anatomical Nomenclature and Introduction to Soft Tissues
Faunal: introduction to faunal remains (lecture)
The Pectoral Girdle and Arm: Biomechanics
Faunal: fore and hind limbs
The Forearm
The Hands
The Spine and Thorax Faunal: Vertebrae, scapula, pelvis
The Pelvic Girdle
The Leg and Knee
The Feet in detail
Faunal: locomotion & feet - metapodia, phalanges, carpals & tarsals
The Cranium: Basic Structures
The Neurocranium
The Viscerocranium
The Dentition in detail
Faunal: crania, mandibles & teeth
Faunal lecture: ageing
Decomposition and preservation of soft tissues
The analysis of soft tissues

Learning Outcomes

1	Demonstrate a working knowledge of human and mammalian musculo-skeletal anatomy that can be used to identify faunal bones and detailed knowledge of fragmentary human remains
2	Identify and describe human remains and will have an appreciation of the development and how ontogenetic changes have influenced human anatomy
3	Identify mammalian remains to species level.
4	Understand how soft tissue can be preserved in ancient human remains.
5	Make refined observational judgements, and record and communicate findings accurately.

Learning, Teaching and Assessment Strategy

Three-hour sessions will be in the form of laboratory practicals. In weeks 1-6, 8-12 there will be a 45 minutes specimen-based formative practical quiz prior to the laboratory practical session each week. Feedback is given by the students marking their 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.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	Essay from a choice of topics regarding human anatomy/ soft	-3000 words	50%

		tissue/ faunal remains		
Summative	Coursework	Quiz	1 hour	25%
Summative	Coursework	Practical Test	1 hour	25%

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.