

Module Details	
Module Title:	Human Remains and Environmental Evidence
Module Code:	ARC5012-B
Academic Year:	2019-20
Credit Rating:	20
School:	School of Archaeological and Forensic Sciences
Subject Area:	Archaeology
FHEQ Level:	FHEQ Level 5
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	18
Tutorials	6
Laboratory	27
Directed Study	149

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

Module Aims
To provide an overview of the analysis of human, faunal, pollen and insect remains within a forensic context and to acquire basic skills in the identification of such remains.

Outline Syllabus
Lectures: Introduction; Bone structure and development; Sex assessment of human skeletons; Adult age estimation of human skeletons; Sub-adult age estimation of human skeletons; Animal bone identification (anatomy and taphonomy); Faunal bone modification (butchery, bone working, burning and diagenesis); Identification of insect remains (anatomy, influence of microclimate and developmental stages); Identification and interpretation of pollen profiles in a

criminal justice context; applications and case studies.

Laboratories: Human bone identification 1; Human bone identification 2; Sex assessment of human skeletons; Adult age estimation of human skeletons; Sub-adult age estimation of human skeletons; Identification of faunal remains; Bone modification in faunal remains (butchery, breakage, bone weathering); Insect remains identification;

Learning Outcomes

1	Assess critically the theoretical and practical issues surrounding the preservation, recovery, analysis and interpretation of biological materials that are commonly encountered within forensic contexts.
2	Diagnose human remains and recognise common pollen, insect and faunal remains recovered from forensic scenes. This will include identification to element of a selection of more robust and common remains from selected human and environmental assemblages.
3	Integrate evidence drawn from diverse sources to assess forensic contexts.
4	Defend conclusions based on biological data.

Learning, Teaching and Assessment Strategy

Context information and the foundations of diagnostic and identification skills for biological remains will be delivered in lectures. The appreciation of ecofactual evidence will be taught and trained in practical sessions. During Directed Study hours students are expected to undertake reading to consolidate and expand on the content of formal taught sessions; research and prepare for assessments and undertake specific elements of reading as directed. Assessment forms a portfolio of work (3 submissions) carried out during and after practical classes and will probe identification and diagnostic skills. Informal feedback is provided during practical classes.

Mode of Assessment

Type	Method	Description	Length	Weighting
Summative	Coursework	Portfolio of Practical Work	800 word equivalent	20%
Summative	Coursework	Portfolio of practical work	1 200 word equivalent	30%
Summative	Coursework	Portfolio of practical work	2000 word equivalent	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.