

Module Code:	SCI439
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Module Title:	Human Skeletal Remains
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Level:	4	Credit Value:	30
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Cost Centre(s):	GAFS	JACS3 code:	L620
		HECoS code:	101218

Faculty	FAST	Module Leader:	Amy Rattenbury
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Scheduled learning and teaching hours	53 hrs
Guided independent study	247 hrs
Placement	0 hrs
Module duration (total hours)	300 hrs

Guidance - normally, the university would expect to see the following amounts of contact time and independent learning time for taught modules as part of its Modular Curriculum Framework;

Level	Credit volume	Overall learning hours	Contact learning hours	Independent learning hours
Level 3	20 credits	200 hrs	40	160
Level 4	20 credits	200 hrs	36	164
Level 5	20 credits	200 hrs	30	170
Level 6	20 credits	200 hrs	24	176
Level 7	20 credits	200 hrs	21	179

Programme(s) in which to be offered (not including exit awards)	Core	Option
Stand-alone module aligned to BSc (Hons) Forensic Science for QA and assessment purposes	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Pre-requisites
Current GU enrolled students or recent graduates Prior study of human anatomy at a minimum of Level 3 is required or equivalent

Office use only

Initial approval: 05/06/2019

Version no:1

With effect from: 05/06/2019

Date and details of revision:

Version no:

Module Aims

This module offers student the opportunity to take a hands-on engagement in the study, analysis and interpretation of human skeletal remains. Students will work with a range of human skeletal remains from the Cyprus Institute of Sciences and Humanities reference collection of 2000+ contemporary individuals. Through this, the students will be introduced to the fundamentals of skeletal anatomy, human osteology and its applications in bioarcheology and forensic anthropology. Students will learn how to handle, work with, and analyse human remains in a dignified and respectful manner and consider the implication of their work on the wider community

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Identify, side and position bones of the human skeleton.	KS3	KS5
		KS6	
2	Recognise and highlight the aspects of the human anatomy which can be utilised in the identification of skeletal remains	KS5	KS6
		KS10	
3	Employ common anthropological methods for the analysis of human remains in order to establish characteristics of a biological profile	KS2	KS3
		KS10	
4	Explain and justify conclusions relating to age at death, sex, stature or pathology of human remains.	KS1	KS2
		KS6	
5	Work in a professional and dignified manner when handling remains or associated artefacts.	KS2	KS7
		KS8	
6	Reflect upon the academic, cultural and personal experience of the work undertaken across the module	KS1	KS2
		KS4	KS7
		KS8	KS9

Transferable skills and other attributes

Communication
Team Work
International and Cultural Awareness
Practical Skills

Derogations

None

Assessment:

Indicative Assessment Tasks:

Assessment 1 – Practical

Students will undertake a 3 hour practical session in which they will complete a number of tasks including a bone quiz, skeletal inventory, biological profiling activity, and a short presentation and justification of their case study findings.

Assessment 2 – Reflective Practice

Students will complete a reflective exercise that consolidates their learning from the programme and reflects upon their academic, cultural and personal development whilst undertaking the work.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	1-5	Practical	75%	3 hours
2	6	Reflective Practice	25%	1500

Learning and Teaching Strategies:

The module will be delivered through a series lectures and intensive workshops in both the UK and Cyprus. This practically focused delivery aims to give students a unique opportunity to participate in a fully comprehensive and engaging learning experience. Students will be supported in their learning by very experienced, well-versed and highly professional experts working in the subject area. Additional learning materials to complement the face-to-face delivery will also be made available online such as articles, videos and quizzes.

Syllabus outline:

- Human skeletal and musculoskeletal anatomy;
- Developmental osteology
- Applied methods of analysis in Forensic Anthropology & Bioarchaeology;
- Biological profile and identification
- Sex estimation methods
- Age estimation methods
- Stature; Osteometry
- Skeletal disease and trauma
- Professional, cultural and reflective practice

Indicative Bibliography:
Essential reading
<ul style="list-style-type: none">• White, T.D. and Folkens, P.A. (2005) <i>Human Bone Manual</i>, Burlington: Elsevier Academic Press.
Other indicative reading
<ul style="list-style-type: none">• Adams, B. and Byrd, J. (2014) <i>Commingled Human Remains: Methods in Recovery, Analysis, and Identification</i>. Oxford: Academic Press.• Thompson, T.J.U. & Black, S.M. (2007) <i>Forensic human identification: an introduction</i>. Boca Raton: CRC Press.• Mallett, X. Blythe, T. & Berry, R. (2014) <i>Advances in forensic human identification</i>. Boca Raton: CRC Press, Taylor & Francis Group.