

## Liverpool John Moores University

Title: ADVANCED OSTEOLOGY AND SKELETAL PATHOLOGY  
Status: Definitive  
Code: **7101NATSCI** (123672)  
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences  
Teaching School/Faculty: Biological and Environmental Sciences

Team	Leader
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**Academic Level:** FHEQ7      **Credit Value:** 20      **Total Delivered Hours:** 44

**Total Learning Hours:** 200      **Private Study:** 156

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	12
Practical	15
Workshop	17

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	bone quiz	Bone quiz	40	
Report	skel rep	Skeletal report	60	

### Aims

*The aims of this module are to provide students with an advanced knowledge of the human skeleton and the ability to identify animal bones, methods of curation of*

*skeletal collections and understanding of pathological processes and how these relate to identification issues or population studies.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Demonstrate expertise in the human skeleton, the ability to identify animal bones and how to differentiate between the two
- 2 Achieve competency in managing cases of skeletal commingling
- 3 Critically evaluate ethical issues in anthropology
- 4 Identify, describe and interpret skeletal pathologies and critically evaluate how they relate to forensic or archaeological contexts
- 5 Apply appropriate techniques for the determination of the biological profile and critically assess their applications in archaeology

## **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

Bone quiz	1	2			
Skeletal report	1	2	3	4	5

## **Outline Syllabus**

*Human osteology*  
*Animal osteology*  
*Commingled remains*  
*Curation of skeletal collections*  
*Palaeopathology*

## **Learning Activities**

Lectures, workshops, practical sessions

## **Notes**

In this module students will learn to identify and describe the human skeleton, become familiar with animal bones and learn how to differentiate between the two. Practical and ethical considerations of the curation of human skeletal collections will be considered. Issues in working with commingled remains and identifying skeletal pathologies will also be considered.