

Liverpool John Moores University

Title: HUMAN OSTEOLOGY
Status: Definitive
Code: **5310NATSCI** (122357)
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: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 58
Total Learning Hours: 200 **Private Study:** 142

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	10
Online	1
Practical	24
Tutorial	5
Workshop	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	Test 1	Test theory + practice	40	
Test	Test 2	Test theory + practice	60	

Aims

To introduce the analysis of human bones and their implications for reconstructing

identity

Learning Outcomes

After completing the module the student should be able to:

- 1 Use osteological material and osteometric equipment appropriately
- 2 Name the musculoskeletal elements of the appendicular skeleton
- 3 Name the musculoskeletal elements of the axial skeleton
- 4 Demonstrate a knowledge of the evolutionary reasons for variability in the skeleton
- 5 Curate osteological material effectively and understand the related ethical and legal issues.

Learning Outcomes of Assessments

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

Test axial skeleton	1	2	4	5
Test theory practice	1	3	4	5

Outline Syllabus

Anatomical orientation and terminology. Procedure of identifying bones. Distinguishing human from non-human bones. The appendicular skeleton. The axial skeleton. Skeletal development. The human dentition. Variations in the human skeleton. Osteometry. Joint and skeletal anatomy.

Learning Activities

Material will be delivered through brief lectures followed by workshops and practical sessions.

Notes

This module provides an introduction to the development and anatomy of the bones of the human skeleton with a view to identify human bones and teeth, their significance within the body, the landmarks and measurements used in the field of biological anthropology. Students will be trained in curatorial skills for the osteologist including washing, recording and boxing specimens. Curatorial knowledge of how human material should be stored (temperature, humidity, ethics and legal issues).