

Module Information

2022.02, Approved

Summary Information

Module Code	5314NATSCI
Formal Module Title	Human Anatomy and Genetics
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	16
Off Site	6
Practical	18
Workshop	10

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To introduce human anatomy and physiology that underlie the analysis of human remains in forensic and anthropological context. To examine the genetic techniques used in the field of human genetics.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Name the elements of human anatomy and physiology and understand how they affect the condition of human remains.
MLO2	2	Explain how genetic variations can be used for human identification or in the study of human evolution.
MLO3	3	Demonstrate a theoretical and practical knowledge of the main techniques involved in human genetics.
MLO4	4	Write a report based on results of DNA analysis.

Module Content

Outline Syllabus	Overview of the human anatomy and physiology. Visit to human dissection rooms. Laboratory techniques in genetics. DNA extraction. PCR. Electrophoresis. Sequencing. DNA databases. DNA approach to study of human variation and evolution.
Module Overview	This module will provide you with basic knowledge of human anatomy and physiology. It also covers DNA techniques used in the field of human genetics and forensic anthropology.
Additional Information	The module provide students with basic knowledge of human anatomy and physiology. It also covers DNA techniques used in the field of human genetics and forensic anthropology.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Test	Test	50	0	MLO1, MLO2, MLO3
Report	Scientific report	50	0	MLO4, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Kyoko Yamaguchi	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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