

Summary Information

Module Code	6311NATSCI
Formal Module Title	Forensic Anthropological Genetics
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	18
Practical	8
Workshop	14

Module Offering(s)

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

Aims and Outcomes

Aims	This module will explore the uses of genetic techniques in the field of forensic science and anthropology from a theoretical and practical perspective.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Demonstrate a theoretical and practical knowledge of the main techniques involved in forensic and anthropological studies and evaluate their advantages and limitations.
MLO2	2	Analyse and interpret DNA data in a forensic context.
MLO3	3	Analyse and interpret DNA data to study past populations.
MLO4	4	Demonstrate the ability to present DNA analysis results objectively and in an appropriate format.

Module Content

Outline Syllabus	Genetic markers. DNA typing. DNA extraction. PCR. Electrophoresis. Kinship. DNA identification in forensic casework. DNA databases. DNA matching probabilities. Palaeogenetics. Miscoding lesions. Contamination. DNA approach to study of migrations. DNA approach to study of human variation and evolution.
Module Overview	This module will explore the uses of genetic techniques in the field of forensic science and anthropology from a theoretical and practical perspective. It also focuses on DNA techniques in the fields of Forensic Science and Forensic Anthropology.
Additional Information	The module focuses on the use of DNA techniques in the fields of Forensic Science and Forensic Anthropology.

Assessments

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

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Rui Leite Portela Martiniano	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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