

Summary Information

Module Code	6210NATSCI
Formal Module Title	Zoo Conservation and Genebanks
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Edwin Parker	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Sarah Dalrymple	Yes	N/A
Begona Martinez Cruz	Yes	N/A
Chrysanthi Fergani	Yes	N/A
John Abernethy	Yes	N/A
Torsten Wronski	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	20
Online	8
Workshop	16

Module Offering(s)

Offering Code	Location	Start Month	Duration
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	The aim of the module is to provide students with an understanding of the role of ex situ Conservation in maintaining global biodiversity and the methods used in maintaining ex situ collections of animal and plants.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Critically assess the use of ex situ conservation in maintaining global biodiversity
MLO2	Critically evaluate the methods and techniques used to maintain successful ex situ collections and breeding programmes
MLO3	Explain the role of gene pool management and breeding programmes

Module Content

Outline Syllabus
Zoo conservation, Gene pool management, animal breeding programmes, methods of preserving collections i.e. cryopreservation, Zoo animal welfare, behaviour and endocrinology in relation to conservation and breeding programmes. Plant genetic resources, seed banks and botanical gardens. Use of plant gene banks in habitat restoration and in plants as genetic resources (i.e. food security, medicinal plants).

Module Overview

This module provides you with an understanding of the role of ex situ conservation in maintaining global biodiversity and the methods used in maintaining ex situ collections of animals and plants.

Additional Information

The module covers different aspects in which ex-situ collections can be used to support the conservation of wildlife worldwide. The module examines the role of zoos, seedbanks and cryopreservation to secure genetic diversity of not only for conservation of wildlife but also habitat restoration and food security. Students will be assessed via a Action Plan report and a final essay, 50% each

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Report	50	0	MLO1, MLO2
Centralised Exam	Exam	50	2	MLO3, MLO1, MLO2