

Liverpool John Moores University

Title: ZOO CONSERVATION AND GENE BANKS
Status: Definitive
Code: **6210NATSCI** (122557)
Version Start Date: 01-08-2021

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

Team	Leader
Luiza Figueiredo Passos	Y
Chrysanthi Fergani	
Sarah Dalrymple	
Colm Bowe	

Academic Level: FHEQ6 **Credit Value:** 20 **Total Delivered Hours:** 46
Total Learning Hours: 200 **Private Study:** 154

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	20
Online	8
Workshop	16

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	Report (Action Plan)	50	
Exam	Exam	Exam	50	2

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.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically assess the use of ex situ conservation in maintaining global biodiversity
- 2 Critically evaluate the methods and techniques used to maintain successful ex situ collections and breeding programmes
- 3 Explain the role of gene pool management and breeding programmes

Learning Outcomes of Assessments

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

Report	1	2	
Exam	1	2	3

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).

Learning Activities

The module will be taught through lectures, workshops and online talks

Notes

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Students will be assessed via a Action Plan report and a final essay, 50% each