

## Module Information

2022.01, Approved

### Summary Information

Module Code	5216NATSCI
Formal Module Title	Brain, Hormones and Behaviour
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	24
Practical	14
Seminar	8
Workshop	9

### Module Offering(s)

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

### Aims and Outcomes

Aims	The aim of this module is to gain an overview over the function of the nervous and endocrine system, how it is interconnected, how it is influenced by the environment and how it affects animal behaviour. A second aim is to receive practical training in up-to-date methods used in this field and to learn how the achieved skills can be applied to own behavioural studies and studies on conservation and animal welfare.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Recall how the nervous and endocrine system works, the relationship between the two systems and how behaviour is modified by the two systems;
MLO2	2	Explain the relationship between the environment and physiology;
MLO3	3	Assess published studies on the relationship between brain, hormones and behaviour;
MLO4	4	Theoretically apply the learned practical skills to their own studies.

### Module Content

Outline Syllabus	Function of the neuronal and endocrine system. Internal triggers of behaviour. Application of hormone assays to behavioural studies. Ecological physiology. Field endocrinology. Physiology and conservation/animal welfare.
Module Overview	The aim of this module is to gain an overview of the function of the nervous and endocrine system, how it is interconnected, how it is influenced by the environment and how it affects animal behaviour. You will also receive practical training in up-to-date methods used in this field and to learn how the achieved skills can be applied to own behavioural studies and studies on conservation and animal welfare.
Additional Information	This module provides a theoretical and practical introduction into the body's communication system.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Report	60	0	MLO1, MLO2, MLO3, MLO4
Report	Presentation	40	0	MLO1, MLO3

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Rodrigo De Marco	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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