

Liverpool John Moores University

Title: PLANT BIOLOGY AND IDENTIFICATION
Status: Definitive
Code: **5014NATSCI** (120882)
Version Start Date: 01-08-2015

Owning School/Faculty: Natural Sciences & Psychology
Teaching School/Faculty: Natural Sciences & Psychology

Team	Leader
Colm Bowe	Y
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Academic Level: FHEQ5 **Credit Value:** 24.00 **Total Delivered Hours:** 56.00

Total Learning Hours: 240 **Private Study:** 184

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	29.000
Off Site	6.000
Practical	15.000
Workshop	4.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	PlantIDRpt		50.0	
Exam	Exam		50.0	2.00

Aims

The aim of the module is to provide students with a general background in plant

biology, along with the knowledge to identify plant taxonomic groups in the field. Students will also gain knowledge on the diversity within the Plant Kingdom and processes linked to plant diversity such as plant life cycles and plant distribution. Taxonomic groups, which are not true plants but often, are associated with plants such as fungi and algae will be included. Students will also gain an understanding of the importance of plants in regulating our climate and in feeding growing human populations sustainably.

Learning Outcomes

After completing the module the student should be able to:

- 1 Identify plants and related taxa using plant guides and keys
- 2 Discuss plant diversity, taxonomy, and the processes that affect plant diversity
- 3 Discuss the role of plants in global issues (i.e. climate change, food security)

Learning Outcomes of Assessments

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

Plant Identification Report	1		
Exam	2	3	

Outline Syllabus

Plant diversity and taxonomy, Plant Identification (incorporating a full range of taxonomic groups i.e. higher plants, bryophytes and lichens), Fungi and mycorrhizae, algae, plant conservation, plant distribution, Photosynthesis and plants role in climate regulation, Plant use in sustainable identification of agriculture.

Learning Activities

Lectures, Plant Identification Practical, Species Distribution Workshop and Fieldtrip

Notes

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