

## Access to Higher Education Unit

This unit forms part of an Access to HE Diploma. If delivering the graded version of this unit, please refer to the Provider Handbook for details on grading descriptors and the application of these across units within your programme.

**Unit Title:** Plant Biology

**Graded Unit Reference Number:** GA33GEO09

**Ungraded Unit Reference Number:** UA33GEO09

**Module:** Biology; Geography and the Environment

**Level:** Three (3)

**Credit Value:** Three (3)

**Minimum Guided Learning Hours:** 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand the organisational structure of plants	1.1 Identify plant organelles and outline their role
	1.2 Identify and explain the function of the external organs of a plant
	1.3 Describe three specialised plant cells and their role in photosynthesis
2. Understand the growth and development of plants and their physiological processes	2.1 Explain the relationship between photosynthesis and respiration
	2.2 Explain the uptake of nutrients and transportation of water in plants
	2.3 Compare and contrast Asexual and Sexual reproduction in plants
	2.4 Outline the life cycles of an Asexually and Sexually reproducing plant
3. Understand the relationship between plants and the ecosystem/environment	3.1 Analyse plant distribution and diversity in one or more habitats (e.g., Wetland, Sand Dunes, woodland).
	3.2 Give examples of how plants have adapted to their environment

3.3 Evaluate the effectiveness of strategies used in the UK, for replacing monocultures and non-indigenous plants during reforestation