

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: Animal Homeostasis

Graded Unit Reference Number: GA33BIO30

Ungraded Unit Reference Number: UA33BIO30

Module: Biology

Level: Three (3)

Credit Value: Three (3)

Minimum Guided Learning Hours: 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand nervous control in animals	1.1 Describe the structure and function of a basic nerve cell
	1.2 Describe the structure of the nervous system in an earthworm, and insect and a mammal
	1.3 Explain the structure of common sense organs in fish, reptiles, birds and mammals (for example, lateral line, and auditory systems)
2. Understand hormonal control in animals	2.1 Outline the position of the major glands in a named vertebrate
	2.2 Explain the control of blood sugar in a named vertebrate
	2.3 Explain the control of the oestrus cycle in mammals
3. Understand the process of homeostasis	3.1 Explain the concepts of homeostasis and feedback loops
	3.2 Explain osmoregulation in land and marine mammals
	3.3 Explain thermoregulatory processes in endotherms and ectotherms