

Access to H.E. National Programme Unit



Unit Title:	Coordination and Control		
Graded Unit Code:	GA33BIO09	Ungraded Unit Code:	UA33BIO09
Pathway(s):	Health Science and Engineering		
Module(s):	Human Biology Biology		
Level:	3	Credit Value:	3
Valid from:	31 st July 2021	Valid to:	31 st July 2026

The following QAA grade descriptors must be applied if you are delivering the graded version of this unit:

1	Understanding of the subject
2	Application of knowledge
5	Communication and presentation
7	Quality

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. Understand the structure and function of the endocrine system	1.1 Locate the main endocrine organs and identify the hormones they produce
	1.2 Explain the effects of three hormones on metabolism
	1.3 Explain how hormones bind to receptors both inside the cell and on the cell surface
2. Understand the structure and function of the nervous system	2.1 Identify the major structural and functional divisions of the nervous system
	2.2 Describe and outline the function of sensory neurones, motor neurones, multipolar neurones and glial cells

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	2.3	Identify the main regions of the human brain and describe the main functions of each part
	2.4	Describe and explain the importance of reflex pathways, including spinal reflexes
3. Understand the function of receptors and sensory organs	3.1	Classify receptors by their response to stimuli
	3.2	Identify structures in either the human eye or the ear and explain their functions
4. Understand the nature of the nerve impulse and the role of the synapse	4.1	Explain how a nerve impulse is initiated and transmitted along a neurone and across the synaptic gap
	4.2	Identify effects of chemicals (e.g. alcohol, caffeine, heroin) on synaptic transmission