Access to H.E.
National Programme Unit

Unit Title:	Homeostasis		
Graded Unit Code:	GA33BIO03	Ungraded Unit Code:	UA33BIO03
Pathway(s):	Health Science and Engineering		
Module(s):	Human Biology Biology		
Level:	3	Credit Value:	3
Valid from:	31st July 2021	Valid to:	31st 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 principles of homeostasis	1.1 Explain the terms 'homeostasis', 'negative feedback' and 'dynamic equilibrium' and give examples from the human body
	1.2 Interpret diagrams representing homeostatic systems to identify set points and examples of negative feedback

2. Recognise factors affecting body temperature and understand temperature regulation mechanisms	2.1 Identify environmental and physiological factors that might cause the temperature of the body to increase or decrease
	2.2 Describe the mechanisms that monitor and regulate body temperature in humans including the roles of the hypothalamus and the skin
	2.3 Explain the consequences of hypothermia and hyperthermia
3. Recognise factors that affect osmotic conditions in the body and understand osmoregulatory mechanisms	3.1 Identify environmental and physiological factors that might change the osmotic conditions in the blood
	3.2 Explain the terms hypotonic and hypertonic in relation to blood plasma and outline the possible consequences of these conditions in the human body
	3.3 Identify regions of a kidney tubule and outline the main functions of each part
	3.4 Explain the importance of osmotic conditions in the kidney and the role of ADH in osmoregulation