

## 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:** Human Cardiovascular System

**Graded Unit Reference Number:** GA33BIO14

**Ungraded Unit Reference Number:** UA33BIO14

**Module:** Biology

**Level:** Three (3)

**Credit Value:** Three (3)

**Minimum Guided Learning Hours:** 30

**Units barred for selection against this unit:**

- Human Cardiovascular and Respiratory Systems (GA36BIO34 / UA36BIO34)

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand the gross structure of the human cardiovascular system and the reason for a double circulation	1.1 Identify the main structures and blood vessels of the human heart and explain their roles in maintaining circulation
	1.2 Discuss the structure of arteries, veins and capillaries in relation to their functions
	1.3 Explain the importance of a double circulation for humans
2. Understand the control of the cardiac cycle	2.1 Identify the conductive tissues in the heart and explain the roles of these in the cardiac cycle
	2.2 Explain the difference between systolic and diastolic blood pressure and identify normal ranges
	2.3 Explain the influence of the nervous system on cardiac output during exercise