

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: Introduction to Prokaryotic and Eukaryotic Cells

Graded Unit Reference Number: GA33BIO43

Ungraded Unit Reference Number: UA33BIO43

Module: Biology; Human Biology

Level: 3

Credit Value: 3

Minimum Guided Learning Hours: 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know the main features of prokaryotic and eukaryotic cells	1.1 Identify and describe the main organelles of eukaryotic and prokaryotic cells
	1.2 Compare the structure of prokaryotic and eukaryotic cells
	1.3 Relate structure to function in named specialised eukaryotic cells
2. Demonstrate an understanding of how substances move within cells and how the plasma membrane facilitates this movement	2.1 Explain diffusion, osmosis and active transport making reference to their use, or lack thereof, of energy
	2.2 Explain the importance of the major components of plasma membranes
3. Understand the importance of cell division	3.1 Explain the biological significance of mitosis and meiosis
	3.2 Describe the stages of mitosis
	3.3 Describe the stages of meiosis