

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: Body Defences

Graded Unit Reference Number: GA33BIO16

Ungraded Unit Reference Number: UA33BIO16

Module: Biology; Human Biology

Level: Three (3)

Credit Value: Three (3)

Minimum Guided Learning Hours: 30

Units barred for selection against this unit:

- **Disease and Immunity (GA35BIO40 / UA36BIO40)**

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand that infectious diseases are caused by pathogens	1.1 Define the term pathogen and identify causal agents for a range of infectious diseases involving bacteria, viruses, fungi and protists
	1.2 Discuss routes used by disease organisms to enter the body
	1.3 Explain the roles of 'resident flora' in preventing infection and as sources of infection
2. Understand the non-specific defences of the body against infectious disease	2.1 Describe how the skin and mucous membranes help to prevent infection
	2.2 Describe the main stages in formation of a blood clot and evaluate the importance of specific factors (e.g. platelets, vitamin K, air and blood proteins)
	2.3 Describe the role of non-specific macrophages in preventing infection
3. Understand the specific defences of the body against infectious disease and the application of these in medicine	3.1 Distinguish between antigens and antibodies and explain the structure of an antibody molecule

3.2 Discuss the differences between humoral and cell-mediated immunity

3.3 Evaluate the clonal selection hypothesis in terms of autoimmunity and immunological memory

3.4 Compare and contrast natural, acquired, active and passive immunity, giving examples of each