

## 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:** Disease and Immunity

**Graded Unit Reference Number:** GA36BIO40

**Ungraded Unit Reference Number:** UA36BIO40

**Module:** Biology; Human Biology

**Level:** 3

**Credit Value:** 6

**Minimum Guided Learning Hours:** 60

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

- **Body Defences (GA33BIO16)**

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
	1.2 Explain how bacteria, viruses, fungi and protists cause disease, using examples
	1.3 Describe the main ways in which infectious diseases are spread including how different vectors are able to transmit disease in humans
2. Understand the non-specific defences of the body against infectious disease	2.1 Explain how the skin and mucous membranes help to prevent infection
	2.2 Describe the role of the inflammation response and non-specific macrophages in preventing infection
3. Understand the specific immune system	3.1 Describe the major components of the immune system and in their roles the humoral and cell-mediated response
	3.2 Explain the difference between a primary and a secondary immune response

4. Understand how infectious disease can be controlled medically and how pathogenic drug resistance can arise	4.1 Compare and contrast natural, acquired, active and passive immunity, giving examples of each
	4.2 Explain how vaccinations can lead to an artificial acquired immunity against certain infectious diseases
	4.3 Evaluate the use of antibiotics, anti-viral and anti-fungal drugs as methods of treatment for pathogenic infection