

## **HND Animal Management (Equine Management)**

### **Module Descriptors:**

#### **LEVEL 4**

##### **1 – Animal Health and Welfare**

Students will learn how to recognise signs of health and disease across a range of animal species, as well as how to manage animals to promote good health and prevent disease. Key diseases and parasites will be reviewed and interpretation of health in wild animals and animals housed in collections will be undertaken. Legislation which governs animal health will also be outlined.

##### **2 – Business and the Business Environment**

The aim of this unit is to provide students with background knowledge and understanding of land-based business, the functions of an organisation and the wider business environments in which organisations operate. Students will examine the different types of land-based organisations (including for-profit and not-for-profit), their size and scope (for instance, micro, SME, transnational and global) and how they operate.

##### **3 – Managing a Successful Project**

The aim of this unit is to offer students an opportunity to demonstrate the skills required for managing and implementing a project. They will undertake independent research and investigation for carrying out and executing a business project which meets appropriate business aims and objectives.

##### **6 – Animal Anatomy and Physiology**

This unit develops knowledge of the biological systems of animals, with a detailed look at functioning. It will require students to analyse the interaction of systems and how environmental factors may impact an animal's health. It is through this that students will be able to enter roles within the animal sector feeling confident to make decisions and advise others in best management practices.

##### **12 – Horse Husbandry**

This unit aims to develop the depth of student knowledge on the topic of horse husbandry in a variety of situations. It will form links to welfare legislations, and encourage students to identify where there is a need for reviewing current husbandry techniques through detailed studies of the horse. It will cover the financial implications of various husbandry techniques, and encourage students to consider the modern alternatives available to them in a variety of settings.

##### **13 – Management of Equine Facilities**

This unit aims to give students the skills to supervise and advise others on the day-to-day organising and running of an equine facility, being able to identify the wider yard requirements outside the care of horses and/or donkeys. Students will be able to identify the strengths of a facility and plan for potential improvements with consideration of legislative requirements.

##### **19 – Horse Human Relationship**

This unit will look at the changes and advances in human and horse relationship over many years. The unit will allow students to identify how horses have changed within society and the alteration in the roles that a horse has had through the years. Students will evaluate how managing horses in varied ways can alter the relationship between human and horse in both positive and negative ways,

looking into elements of husbandry routines and behaviour, and making links to other key aspects of equine management.

### **20 – Equestrian Performance**

This unit provides detailed knowledge of the physiological effect of exercise and training on the different equine body systems. An understanding of enhancing and maintaining fitness techniques and principles will also be covered, as this is vital for the production of successful performance horses.

## **LEVEL 5**

### **23 – Biological Principles**

The aim of this unit is to provide students with the underpinning knowledge of fundamental biological concepts which can be developed within Unit 6: Animal Anatomy and Physiology. Biological principles relate to all areas of study within the animal management sector. Students will study core concepts of cellular structure and function at organelle level, how cellular transport mechanisms allow the cell to function, and the subsequent organisation of cells into the specialised tissues and organ systems within the bodies of animal species.

### **24 – Research Project**

The aim of this unit is to offer students the opportunity to engage in sustained research in a specific field of study. The unit enables students to demonstrate the capacity and ability to identify a research theme, develop research aims, objectives and outcomes, and present the outcomes of such research in both written and verbal formats. The unit also encourages students to reflect on their engagement in the research process, as recommendations for future, personal development are key learning points.

### **31 – Equine Health and Disease**

The purpose of this unit is to provide students with the broad range of skills to act quickly and confidently to health issues they may face in the equine industry, identifying when they will require specialist veterinary assistance and the steps they can take to prevent the worsening of a situation.

### **31 – Therapy and Rehabilitation**

Covered within the unit are the factors that predispose the horse to problems, including specific discipline demands, environmental causes and metabolic disorders. The mechanisms of injury to the musculoskeletal system, both bone and soft tissue, the processes of short and long-term treatment to these injuries, and rehabilitation leading to full recovery are also discussed. In addition, the options of modern-day complementary and alternative therapies to support the recovery process are investigated.

### **38 – Horse Event Management**

This unit considers the management, promotion and marketing of events, and investigates the legislation surrounding this. Students will be required to plan each stage of an event, considering the suitability of a specific facility, the type of event, and technical, resource and staff requirements. Students will then be expected to run an equine event and evaluate its success upon completion.

### **39 – Advanced Equine Performance**

This unit gives detailed knowledge of the physiological effect of exercise and training on the different equine body systems and identifies the necessity to be able to monitor and test levels of fitness and strength within these systems. An understanding of gait, movement and biomechanical analysis will be covered. These are vital to the production of successful performance horses as understanding movement and stride length can influence the ability to perform tasks.

### **41 – Work Experience**

This unit aims to enable students to develop personal and professional skills by engaging in practical tasks and activities within a relevant workplace. It is designed to facilitate supervised learning in a workplace that can be fit around full-time or part-time student commitments and enables both an employer as well as an academic supervisor to monitor and support students through a goal-orientated process. **The minimum work experience hours required for completion is 80 hours.**