



BSc (Hons) Animal Behaviour and Welfare (Clinical)

UCAS code	D394
Institution code	H12
Duration	Three years, full-time
Start date	September 2025
Location	Harper Adams University campus (and location of work placement)

If you have an interest in animals and want to gain knowledge of animal behaviour and animal welfare, then this is the course for you.

What will this degree entail?

In this course, you will examine animal biology as it relates to the behaviour and welfare of animals. This includes developing an understanding of the complexity of the relationship between animal behaviour and animal welfare, in addition to providing you with an opportunity to learn about the range of research methods that can be applied in the scientific study of animal behaviour. You will learn about scientific applications of animal behaviour, including how an understanding of animal behaviour can help us to improve their welfare and facilitate safe, positive, human-animal interactions. The course will also introduce business management of relevance to working within animal-related industries.

This degree programme is pending validation by CCAB Certification Ltd. and the Animal Behaviour Training Council (ABTC) accreditation committees as delivering the academic elements necessary for an individual to achieve certification as a clinical animal behaviourist (CCAB).

A version of this course with a placement year is also available.

[View the placement year route](#)

[Find out more about placement years](#)

A-level entry requirements

- Offers tend to be in the region of **96 - 104** UCAS points (from A2 exams only)
- Students should typically be studying **3 subjects at A2 level** to be considered
- An understanding of a biological science based subject, for example Biology, Human Biology, Applied Science or Physical Education would be preferable. We would welcome applications from candidates offering other evidence of their suitability for this programme
- When combining qualifications no more than one Subsidiary Diploma or Diploma (or comparable qualification such as an Extended Certificate) will be considered alongside A levels (two A levels for BSc)
- General Studies and Critical Thinking are encouraged but **not** included in grades required
- Applicants are encouraged to gain experience working with a number of different animals in different settings. Applicants should include details of this in their application. Experience of different animals will enable reflection and will help with many aspects as students' progress through the course.
- **4 GCSEs or equivalent at grade C/4 or above**, including English Language, Maths and a Science

- Where an applicant was not given access to GCSE Science, a BTEC level 2 in Science will be accepted as an alternative at a grade M. Confirmation will be required from the school/college that GCSE Science was not an option.
- Applicants can expect to receive offers including specific grades in specific subjects (for example, a B or C at A level, or an M or D for BTEC modules)
- Key Skills (and other level 2 variants) and First Certificates/Diplomas are not accepted in place of GCSE passes
- Interviews will take place on an ad-hoc basis should the Course Manager wish to discuss any aspect of your application and for all potentially suitable applicants who require visa sponsorship.
- Overseas applicants please check our [English Language Requirements](#)

Note: Entry Requirements are for guidance only, please check the UCAS website or contact Admissions for further information.

Careers

This course prepares graduates for careers involving animal behaviour and also in animal welfare and management. Increased awareness of animal welfare and behaviour issues has opened up more employment opportunities in the animal sector.

Organisations that house animals are becoming more aware of the need for employees to understand animal welfare and behaviour.

Welfare organisations are expanding, and nutrition and pharmaceutical companies have careers suitable for graduates with a sound welfare education. Many graduates move into higher education as lecturers or researchers and others choose further postgraduate study.

What will I study?

Year 1		Year 2		Year 3	
Animal Biology (A4001HF)	20	Principles of Animal Behaviour (HF)	20	Dissertation (HF)	40
Animal Husbandry and Management (A4002HF)	20	Ethics, Law and Business Practice (HF)	20	Consultation Skills for Animal Professionals (HF)	20
Animal Health (A4003HF)	20	Animal Health and Behaviour (HF)	20	Applied Animal Learning and Training (HF)	20
Evolution, Genetics and Behaviour (A4004HF)	20	Professional Development for Animal Careers (HF)	10	Applied Health, Welfare and Behaviour (HF)	20
Skills for the Animal Scientist (A4006HF)	10	Applied Behaviour for the Clinical Animal Behaviouralist (HF)	20	Diagnosis and Treatment of Behavioural Problems (HF)	20
Introduction to Animal Welfare and Ethics (A4005HF)	20	Welfare Science (HF)	20		
Business in Animal Industries (A4007HF)	10	Elective			
		Animals for Assistance and Therapy (HF)	10		

Animal Biology

Year of study 1
Code A4001HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

Underpinning knowledge and understanding of how the animals are organised, acquire nutrition and energy is an important aspect in studying animal-related courses and this module provides an introduction to the structure and function of animals. Within this module, you will learn the structure and organisation of biomolecules, cells, and tissues in forming complex organ systems in a range of animal groups. You will take a comparative and practical approach for learning, by observing and analysing the details relating to animals, within specialist learning environments.

Knowing organisation and unique characteristics of the animals that are around us then helps you to appreciate how they function effectively within their natural environment or production systems, giving you a broader foundation to explore further detail during your degree programme.

Animal Husbandry and Management

Year of study 1
Code A4002HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

It is important when studying animal-based courses that you have an understanding of animal management practices involved with a variety of systems and settings. This module will place emphasis on environmental requirements, nutritional needs, and species suitability where you will cover livestock, companion animals, exotic, aquaculture and equine species.

This module provides theoretical knowledge and practical animal husbandry opportunities required for safe human and animal interactions. This module provides a strong foundation to prepare you for future

course-specific content.

Animal Health

Year of study 1
Code A4003HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

This module enables you to explore how the body stays healthy in the face of disease challenges and explore causes of disease. The immune system faces challenges from pathogens on a daily basis. You will explore how the body deals with these challenges and what forms they can take. This knowledge is essential for anyone working with animals in order to maintain the health and welfare of animals in their care. Laboratory skills will be developed by working collaboratively, collecting data and interpreting results.

Evolution, Genetics and Behaviour

Year of study 1
Code A4004HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

This module provides a broad overview of how the process of evolution through Darwinian natural selection has resulted in the diversity of life seen on Earth. The microevolutionary and speciation mechanisms underpinning evolution are explored, including the role of DNA, mechanisms of inheritance, coevolution and symbiosis. The classification of living organisms and the diversity of the animal kingdom are reviewed. The factors that led humans to domesticate plants and animals are considered, including the impacts of domestication on animal behaviour. The module is designed to give you a deeper understanding of evolution and its role in animal behaviour development.

Skills for the Animal Scientist

Year of study 1
Code A4006HF
Credits 10
Core/option Core
Module contact [Jane Thomas](#)

Within this module, you will acquire essential academic skills that can be applied to higher education and careers within the animal sciences. The module supports learning across other modules within the degree programme and allows time to develop competency within and beyond technically orientated learning. You will develop an awareness of personal and academic development to facilitate growth and development in the disciplines. You will explore the analysis and presentation of scientific data to support effective communication and collaboration with the scientific community.

Introduction to Animal Welfare and Ethics

Year of study 1
Code A4005HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

This module provides an introduction to a range of industries which involve animals and the implications of those industries within a variety of settings on a national and an international scale. It will consider the ethics

of societies' usage of different types of animals and the role of legislation and different organisations in the promotion of the interests of animals. Examples will be drawn from a range of diverse species and scenarios to illustrate the principles and practices discussed. The main ethical theories that are useful when exploring these issues are discussed and explained. Examples of how these theories can be applied to our interactions with animals are discussed.

During the module you will also be introduced to the concept of animal welfare, legislation within industries and welfare implications for animals. The content of this module will be of benefit to anyone considering working either directly or indirectly with animals in a range of environments. This module will equip you with underpinning knowledge which will support you throughout your degree in second and final year modules and ongoing interactions with animals.

Business in Animal Industries

Year of study 1
Code A4007HF
Credits 10
Core/option Core
Module contact [Jane Thomas](#)

An increasing proportion of people are involved with animals either socially or professionally. The business of animals is a growing part of the economy, one that has proved resilient when other business sectors falter. This module introduces the context for operating a business in animal-oriented companies. Differing business structures and operating models are explored, with a focus on the requirements for businesses to operate legally and sustainably.

You will be required to work collaboratively to evaluate real-world company approaches by researching why people and businesses are so invested in animals. You will learn to use digital tools and techniques to communicate effectively with a range of audiences from the general public to senior business managers. These competencies will be valuable for future projects.

Animals for Assistance and Therapy

Year of study 2
Code HF
Credits 10
Core/option Core
Module contact [Jane Thomas](#)

The benefits of using animals for assistance or therapies has been widely recognised for centuries. Popularity of these approaches has increased within recent years, branching out into a variety of species and contexts leading to a need for greater emphasis on evidence-based approaches. You will explore scenarios where humans can benefit from interactions and assistance from animals, evaluating the science and ethics behind the benefits and risks of these interactions and relationships. Furthermore, current guidelines and protections around the use of animals within these industries will be discussed alongside the training and preparation process.

Principles of Animal Behaviour

Year of study 2
Code HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

Their complex behaviour is one of the main factors that distinguish the Animalia from the other Kingdoms of Life. This module aims to explore the richness and diversity of the behaviour we see in the animal kingdom, considering the various factors that have influenced its evolution. Although there will be an emphasis on the more complex behaviour patterns seen in the higher animals, this module will consider the behaviour of animals in general. This diverse approach will help in the understanding of the general principles

which underpin the development of the various patterns of behaviour we observe in animals. Throughout this module you will learn the key principles behind animal behaviour, including how animals perceive and respond to their environments, and understand how behaviour is adapted to enhance animal survival.

Ethics, Law and Business Practice

Year of study 2
Code HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

It is vital that interactions with clients and colleagues are carried out professionally and appropriately in order to ensure that clinical animal behaviourists comply with legal and ethical requirements.

This module explores the responsibilities and limitations of the role of the professionals who may be involved in a clinical animal behaviour case. The module will determine the legal and professional issues that may arise when consulting with members of the public and considers how these issues may be avoided or resolved. A thorough understanding of the UK legal and judicial processes will be developed in order to demonstrate how these underpin the behaviourists' actions when consulting with a client and patient. Development of business awareness including business planning and legal requirements.

Animal Health and Behaviour

Year of study 2
Code HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

Health and behaviour are linked and it is important to recognise the relevance of behaviour when considering a domestic animal's health and welfare. There may be behavioural consequences of medical disorders and certain behaviours can impact on health both positively and negatively.

This module is designed to introduce you to common health concerns seen in a range of animal species and to consider the links to behaviour. You will consider preventative health measures and the control and management of disease, as well as practical management approaches to promote the health of animals and medical differentials in behavioural disorders. You will learn how to recognise the difference between "normal" behaviours and "abnormal" behaviours and also how normal behaviours can be expressed inappropriately leading to problems for owners or animal managers. You will discover how the suppression of natural behaviour can impact on health and welfare.

Aspects of animal physiology, nutrition, health and general husbandry introduced in earlier modules will form an essential background for this module.

Professional Development for Animal Careers

Year of study 2
Code HF
Credits 10
Core/option Core
Module contact [Jane Thomas](#)

Within this module, you will develop the scientific, personal and transferrable skills required for a career in the animal industry. You will advance your understanding of future career opportunities and learn to identify employers' needs in a changing job market.

This module will introduce you to research and its use within the animal sciences. You will undertake data analysis, presentation and interpretation, whilst exploring how data is used to inform change, innovation and practice in animal industries. You will assess the quality of primary research in the context of study

design and data analysis, presentation and interpretation and develop the skills required for analysis and evaluation of published data.

Working in the animal sciences facilitates continuing professional development and an opportunity to enhance and develop your employability potential is paramount for your future career. This module will cultivate readiness for work through personal development planning and reflection, helping you to identify your key strengths and areas for development.

This module builds on key skills developed in Skills for the Animal Scientist (level 4) and both should be considered as continuing professional development within the curriculum.

Applied Behaviour for the Clinical Animal Behaviouralist

Year of study 2
Code HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

Through this module, you will apply knowledge of animal behaviour in management contexts. This module will cover the principles and methods of quantitative studies of animal behaviour. This module aims to teach you to devise and conduct a variety of behavioural experiments and use the knowledge and understanding gained from the module Principles of Animal Behaviour module to interpret your data. Knowledge of factors affecting animal behaviour and an understanding of the rationale behind presented behaviour is integral for clinical animal behaviourists in practice. Throughout this module, you will develop an understanding of how behavioural disorders develop in animals, and consider factors related to those.

Welfare Science

Year of study 2
Code HF
Credits 20
Core/option Core
Module contact [Dr Ellen Williams](#)

Evidence-based management is important in ensuring positive welfare experiences for animals in managed settings. Animal welfare is of major concern to those working in various animal industries, as well as to the public. In this module, you will be introduced to the scientific discipline of animal welfare science, including the ways in which welfare can be assessed in a broad range of species. The physiological and behavioural changes that occur when welfare is compromised will be studied, and you will explore how these indicators may be used to assess an animal's welfare status. Finally, you will consider the issues that affect the welfare of many groups of animals such as farm, companion, zoo and research animals, and identify ways in which they can be overcome.

Dissertation

Year of study 3
Code HF
Credits 40
Core/option Core

The dissertation is designed to allow you to develop the skills and personal resilience needed to undertake a sustained, significant and high-quality research project. In conjunction with a supervisor, and in light of detailed course-specific advice, you will select a topic for investigation. You will then plan, execute, report and present your project. The module will draw upon learning from other taught modules, but it also requires a high degree of independent learning.

You will need to apply your learning about the research methods associated with your discipline as you locate data to support your project; you may need to apply methods creatively according to the nature of your research topic. Throughout the module, you will be expected to make choices about the scale and

manageability of your work; you will also need to apply good time management skills to ensure success. The project will require you to search for literature related to your topic and to read independently. You must make decisions about the direction of your research, and you will be expected to work proactively to benefit from supervision opportunities.

You will be expected to ensure that each part of your project is ethically sound; this means following protocols but also by developing an ethical mindset which is sensitive to stakeholders and issues arising in the research process. You must also ensure that you attend to issues of health and safety throughout your research.

Consultation Skills for Animal Professionals

Year of study 3
Code HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

Effective and professional interactions with animal owners, clients and other professional colleagues are vital to ensure that animals are managed appropriately with first consideration for their welfare and health. Animal professionals need to be skilled in the art and science of counselling and be able to effectively analyse data gathered in order to apply this knowledge to synthesize effective care, management and treatment protocols.

This module introduces the student to the underpinning theories of counselling and discusses the skills required of the counsellor in order to effectively gather relevant information to ensure that effective management and treatment protocols can be synthesized. An evaluation of an animal owner's understanding and ability to adhere to instruction is essential to maximise a successful outcome and a full understanding of the limitations is required. A sound understanding of the legal, professional and ethical issues that the animal professional may encounter is vital.

Applied Animal Learning and Training

Year of study 3
Code HF
Credits 20
Core/option Core
Module contact [Jane Thomas](#)

We have changing societal and legal expectations from the animals we live with, and this comes with an increasing demand for training and behaviour support in all areas, whether this be in a domestic, formal training or rescue shelter environment. Alongside these expectations is an increasing awareness of the potential for scientific, welfare-friendly and effective training methods.

This module explores the underlying theories and practical approaches commonly used to train new actions and to modify problematic behaviour in animals. It is essential for handlers, trainers and behaviourists alike to have a strong understanding of the methods available to them and an awareness of the implications of these choices for the animals in their care.

You will learn to prepare suitable training programmes for a range of common challenges and be able to assess progress, review and make suitable adaptations appropriate to the individual.

Applied Health, Welfare and Behaviour

Year of study 3
Code HF
Credits 20
Core/option Core

An integrated understanding of animal health, welfare and behaviour is essential for the development of

animal management programmes that ensure optimum health and welfare and take into account the behavioural needs of the animal. This module is designed to provide you with a detailed knowledge of the factors involved in the aetiology and development of common diseases seen in a range of animal species and develops the skills required to recognise signs of ill health in animals and to develop disease control and prevention strategies. You will consider the behaviour of a range of animal species, how health can influence behaviour, why certain behaviours may be suppressed in domestic and commercial settings and how this may lead to the development of pathology and inappropriate or abnormal behaviours. You will also have the opportunity to explore strategies that can contribute to the prevention and control of behavioural problems. Aspects of animal health, behaviour, physiology, nutrition and general husbandry introduced in earlier modules will form an essential background for this module.

Diagnosis and Treatment of Behavioural Problems

Year of study 3

Code HF

Credits 20

Core/option Core

Module contact [Jane Thomas](#)

Domesticated animals can develop behaviours that will be considered by their owners to be problematic. In many cases these "problem behaviours" will be normal behaviours inappropriately expressed. There are many techniques that have been developed over recent years to help the animal behaviourist to treat these conditions and minimise any welfare compromise to the animal and inconvenience to the owner.

This module explores the behavioural states of domestic animals that commonly contribute to behavioural problems and evaluates the range of techniques that can be used to treat them. Consideration of behavioural modification techniques are considered in detail in order to prepare you to use these techniques when treating behavioural cases. It is vital that you have a reliable understanding and knowledge of the drugs commonly utilised in clinical animal behaviour and these will be discussed in detail with particular reference to inappropriate application and the potential health and safety and legal and moral issues associated with their use. Other techniques used in clinical animal behaviour such as pheromonal, dietary and herbal interventions are also considered in terms of their efficacy, safety and the ethics of their use in order to ensure you have an awareness of their appropriate and safe use.