



University Diploma Veterinary Pharmacy Course Information

The Veterinary Pharmacy courses at Harper Adams University are run in conjunction with the Veterinary Pharmacy Education Programme (VPEP) which is endorsed by the Royal Pharmaceutical Society (RPS).

There are 3 post graduate courses available for study and one level 5 University Diploma programme.

The following information details course content, course structure, assessment strategy and fee structure for the University Diploma in Veterinary Pharmacy.

For additional information contact the Course Manager Alison Pyatt apyatt@harperadams.ac.uk

Entry Requirements

Candidates should possess at least 5 GCSEs at grade C or above or equivalent, including English, mathematics and a science or their equivalent, plus evidence of core educational skills to benefit from, and succeed in higher education. Industrial and professional experience and responsibility, or an NVQ at level FE2, 3 or 4 as appropriate. For candidates with no higher education qualifications, such experiences should normally be of five years or more.



Course Information University Diploma Veterinary Pharmacy

Course Structure University Diploma Veterinary Pharmacy

UNDERGRADUATE DIPLOMA VETERINARY PHARMACY
Animals and Public Health 10 credits (Module 1)
Companion Animal Health Care 10 credits (Module 2)
Equine Health Care 10 credits (Module 3)
Veterinary Medicines and Wound Care 10 credits (Module 4)
Farm Animal Health Care 20 credits (Module 5)

Teaching and learning methods used to deliver this curriculum are designed to provide experience, and, through reflection upon it, develop concepts which can then be explored through testing and experimentation.

A blended learning approach is provided with access to formal lectures, practicals, demonstrations, visits and workshops led by in-house academics, external speakers and practitioners.

All students will have the opportunity to make use of the Harper Adams Virtual Learning Environment (Moodle); which is of considerable importance should student not be able to attend aspects of residential sessions at Harper Adams.

Module Information

Module 1 - Animals & Public Health Learning

Outcomes:

- 1) Explore the pet keeping experience.
- 2) List appropriate measures that can be taken to minimise the chances of direct and indirect zoonotic infection.

- 3) Recognise opportunities to intervene proactively in the pharmacy or veterinary practice environment to ensure pet owners are aware of their responsibilities both to their animal and to the public at large.
- 4) Explain the potential dangers of, and risks from, contaminated food.

Examples of topics covered:

- Important issues that will assist the pharmacist in understanding the degree of care and understanding likely to be shown by a client.
- The public health aspects of both pet keeping and contact with animals in general.
- Classification of zoonoses and common examples. □ The work of the Food Standards Agency.

Module 2 - Companion Animal Health Care

Learning Outcomes:

- 1) Appreciate the potential health problems for a range of the most popular pets and relate to common presenting signs.
- 2) Identify the specific parasitic diseases of companion animals and recommend suitable prophylactic and treatment options within your category of registration.
- 3) Assist clients appropriately in response to requests for a medicine or dressing
- 4) Recognise conditions or scenarios that fall without your competence or legal jurisdiction and refer as necessary

Examples of topics covered:

- Companion Animal Endo and Ecto parasites, prevention & control.
- Anthelmintics & active ingredients.
- How to recognise general signs and symptoms of disease in companion animals, including diseases due to micro-organisms and endocrine diseases so appropriate veterinary referral can be facilitated.
- Role of Pharmacist in Companion Animal Healthcare
- A general awareness of small animal welfare problems resulting from poor owner practice of husbandry.

Module 3 - Equine Health Care

Learning Outcomes:

- 1) Specify the major common diseases affecting horses and available treatments.
- 2) Recommend suitable measures or appropriate products to maintain equine health.
- 3) Identify the specific parasitic conditions of horses and recommend suitable prophylactic and treatment options within your category of registration.
- 4) Recognise conditions or scenarios that fall without your competence or legal jurisdiction and refer as necessary.

Examples of topics covered:

- Ecto-parasites and endo-parasites of the horse, lifecycles, prevention and control.
- Common equine diseases including microbial diseases
- The basic factors associated with equine health i.e. Dermatological conditions (including ecto-parasitic and zoonotic) as well as gastrointestinal and metabolic disorders including colic, diarrhoea, laminitis.
- General healthcare and husbandry.
- Healthcare professionals; dentistry, farriery, physiotherapy and other remedial treatments.
- Vaccination programmes.
- Legislation; Horse passports and Veterinary medicines.

Module 4 - Farm Animal Health Care

Learning Outcomes:

- 1) Identify the potential health problems for a range of food producing animals and explore appropriate control and prevention strategies.
- 2) Specify the parasitic diseases of food-producing animals and recommend treatment, control and prevention options.
- 3) Recognise conditions or scenarios that fall without your competence or legal jurisdiction and refer appropriately.
- 4) Evaluate an Animal Health Plan.

Examples of topics covered:

- An appreciation of farming practices in the UK and problems faced by farmers.
- Farm Animal Health Plans – the importance and practical advice on how to assist in the preparation of a FHP (The implications for the prescription and supply of animal medicines, health and welfare of animals and human safety).

Livestock:

- Animal welfare problems resulting from poor husbandry and housing.
- Common ecto- and endo-parasites and their life cycles.
- The control of ecto- and endo-parasitic infection.
- Recognition of common clinical signs and symptoms of disease in cattle, sheep, pigs & poultry.
- General good husbandry practices.
- Nutritional diseases and control of diseases due to micro-organisms
- Hygiene & biosecurity - The specific risks to human health associated with keeping livestock.

Bees:

- An overview of beekeeping and the problems faced by beekeepers.
- The use of measures to minimise infection.

Module 5 - Veterinary Medicines and Wound Care

Learning Outcomes:

- 1) Apply the requirements of the current Veterinary Medicines Regulations as stated in the Veterinary Medicines Directorate Code of Practice with respect to the supply of veterinary medicines as a registered qualified person (RQP).
- 2) Appraise the general characteristics of veterinary medicines.
- 3) Analyse the properties and indications for a comprehensive range of wound dressings.
- 4) Appreciate the function of body systems and relate to animal disease and the function of veterinary medicines.

Examples of topics covered:

- Veterinary Medicines Regulations: Legal regulations pertaining to the registration and supply of veterinary medicines.
- RQPs and SQPs.
- VMD code of practice.
- Dispensing veterinary prescriptions, records keeping and the cascade.
- General information on veterinary medicines, their composition and presentation and safety aspects associated with their use both for animal and the owner.
- Factors affecting the choice of medicines, including route of administration.
- Complementary and Alternative medicines formulation and regulation.
- Reporting suspected adverse drug reactions (SARASS).

- Structure and function of skeletal, digestive, respiratory, reproductive and cardiovascular systems. The integument, sensory organs, liver, kidney and body defence.

Teaching Plan September 2016 Cohort 6

Residential Period 1: 1st – 4th September 2016

1st September Induction & Introduction to the programme

2nd September Taught sessions for module Animals & Public Health (A5012)

3rd September Taught sessions for module Companion Animal Health Care (A5013)

4th September Taught sessions for module Equine Health Care (A5015)

Assessment:

Launch of coursework & workbook for Animals & Public Health

Launch of coursework for Equine Health Care

Launch of workbook for Companion Animal Health Care.

Residential Period 2: 9th - 15th July 2017

9th - 10th July Examinations for Companion Animal Health Care (A5013) & Equine Health Care (A5015)

11th - 15th July Taught sessions for modules Veterinary Medicines & Wound Care (A5014) & Farm Animal Health Care (A5018)

Assessment: Launch of coursework & workbook for Veterinary Medicines & Wound Care (A5014).

October 2017: Launch of coursework for Farm Animal Health Care (A7065)

Residential Period 3: January 2018 (Dates tbc)

Examinations Veterinary Medicines & wound Care (A5014) and Farm Animal Health Care (A5018)

NB: Full schedule of assessment dates will be issued during the induction period.

Assessment Information

Module	Credits	Viva Voce	Report	Workbook	Examination
			% contribution to module mark		
Animals & Public Health (A5012)	10	NO	40	60	N/A
Companion Animal Health Care (A5013)	10	NO	N/A	50	50
Equine Health Care (A5015)	10	NO	40	N/A	60
Veterinary Medicines & Wound Care (A5014)	10	YES <small>(for SQP qualification)</small>	30	30	40
Farm Animal Health Care (A5018)	20	NO	30	30	40

University Diploma (Tuition Fees)

Module	Credits	Payment Date	Fee Due
Animals & Public Health (A5012)	10	1 th September 2016	£1250
Companion Animal Health Care (A5013)	10		
Equine Health Care (A5015)	10		
Veterinary Medicines & Wound Care (A5014)	10	9 th July 2017	£1250
Farm Animal Health Care (A5018)	20		
			£2500

N.B. Course fees do not include accommodation.

