

**Resident and MVetMed Programme Specification Applies to cohort commencing
2017**

1. Awarding institution	The Royal Veterinary College
2. Teaching institution	The Royal Veterinary College (University of London)
3. Programme accredited by	N/A
4. Final award	Master of Veterinary Medicine (MVetMed)
5. Programme Title	Resident
6. Date of First Intake	2008
7. Frequency of Intake	Annually
8. Duration of Study	3 to 4 full-time calendar years
9. Timing of Examination Board meetings	Annually
10. Date of Last Periodic Review	2013/14
11. Date of Next Periodic Review	2019/20
12. Entry Requirements	<p>A veterinary degree registrable with the RCVS and Membership of the RCVS or temporary Membership of the RCVS entitling the applicant to work in the RVC's hospitals..</p> <p>Completion of an appropriate internship programme or at least 12 months working in a relevant clinical or veterinary pathology environment</p> <p>Applicants whose first language is not English will be required to provide evidence of proficiency in spoken and written English. They will be required to achieve an overall score of 7.0 in IELTS with a minimum of 6.5 in each sub-test UNLESS</p> <ul style="list-style-type: none"> • they have completed a qualification equivalent to a UK degree (NQF level 6 or above) from a country on the UK Visas and Immigration's list of majority English-speaking countries within the two years prior to the proposed date of enrolment OR • they have relevant work experience (minimum eighteen months) conducted in English in a majority English-speaking country/institute completed no more than two years prior to the proposed date of enrolment. This will be assessed on a case-by-case basis and may require an additional English reference.

	At the time of studying for the MVetMed to be engaged in suitable advanced veterinary work with RVC or another employer. Satisfactory interview performance including psychometric evaluation.
13. UCAS code	N/A
14. JACS Code	D200
15. Relevant QAA subject benchmark group(s)	N/A
16. Reference points	
N/A	
17. Educational aims of programme	
<p>The programme aims to produce graduates able to:</p> <ul style="list-style-type: none"> • pass the examinations for European or American Veterinary Specialty Colleges • deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, and communicate their conclusions clearly to specialist and non-specialist audiences • demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level • continue to advance their knowledge and understanding, and to develop new skills to a high level 	
18. Programme outcomes - the programme offers opportunities for students to achieve and demonstrate the following learning outcomes.	
A. Knowledge and understanding of: <ul style="list-style-type: none"> • their clinical discipline • the pathophysiological principles behind their clinical area of study • related clinical disciplines • clinical research methodology • statistical analysis of clinical or laboratory data • ethical and welfare issues 	Formative assessment by: <ul style="list-style-type: none"> • Continuous assessment of case management (on a daily basis) by senior clinicians/ pathologists • Review by senior clinician/pathologist of owner and/or referring vet communication documents • Continuous assessment of participation in clinical/pathology rounds by senior clinicians/pathologists • Assessment of contributions to graduate seminars by senior clinicians/pathologists on a weekly basis • Assessment of participation in journal and text reviews by senior clinicians/pathologists

<p>relating to clinical practice, teaching and research</p> <ul style="list-style-type: none"> • new developments in the relevant area of clinical expertise <p>Teaching/ learning methods</p> <p>Participation in:</p> <ul style="list-style-type: none"> • Management of clinical cases under supervision • Clinical rounds • Speciality journal clubs • A taught modules • B taught modules • Required formative module 	<ul style="list-style-type: none"> • Oral presentations to the relevant Department on an annual basis <p>Summative assessment by:</p> <ul style="list-style-type: none"> • Annual progress assessments led by the supervisor • Written examinations for the taught component of each module (MCQ, EMQ, essays, practical spot-test exams) • Assessment of the research project report by an internal and external examiner, with an oral defence
<p>B. Cognitive (thinking) skills:</p> <ul style="list-style-type: none"> • Planning • Logic • Comprehension • Visual and auditory processing • Study design and implementation <p>Teaching/ learning methods</p> <ul style="list-style-type: none"> • Management of clinical cases under supervision • Clinical rounds • Speciality journal clubs • A taught modules • B taught modules • Required formative module 	<p>Formative assessment by:</p> <ul style="list-style-type: none"> • Continuous assessment of case management (on a daily basis) by senior clinicians/pathologists • Review by senior clinician/pathologist of owner and referring vet communication documents • Assessment of participation in clinical rounds by senior clinicians/pathologists • Assessment of contributions to Graduate seminars by senior clinicians/pathologists on a weekly basis • Assessment of participation in journal and text reviews by senior clinicians/pathologists on a weekly basis <p>Summative assessment by:</p> <ul style="list-style-type: none"> • Annual progress assessments led by the supervisor • Written examinations for the taught component of each module • Assessment of the research project report by an internal and external examiner, with an oral defence

C. Competencies and behaviours

- Proficiency in dealing with complex clinical or diagnostic cases in a referral setting
- Diagnostic and therapeutic procedures at a referral level, and/or specialised laboratory techniques
- Organisational skills
- Interpersonal skills and behaviours
- Team leadership skills
- An ability to communicate clearly to both scientific and non-scientific personnel
- Presentation skills, including small group teaching and formal oral presentations
- Teaching and learning skills
- Information technology skills

Teaching/learning methods

- Management of clinical / diagnostic cases under the supervision of senior clinicians/pathologists
- Supervised participation in diagnostic and therapeutic techniques
- Participation in daily clinical/pathological rounds
- Participation in weekly Graduate seminars
- Participation in group review of journal articles

Formative assessment by:

- Clinical case log
- Continuous assessment of case management (on a daily basis) by senior clinicians/pathologists
- Review by senior clinician/pathologist of owner and referring vet communication documents
- Continuous assessment of participation in clinical rounds by senior clinicians/pathologists
- Assessment of contributions to Graduate seminars by senior clinicians/pathologists on a weekly basis
- Assessment of participation in journal and text reviews by senior clinicians/pathologists on a weekly basis
- Oral presentations to the relevant Department on an annual basis

Summative assessment by:

- Annual progress assessments led by the supervisor

and scientific texts

- Problem-solving exercises
- Attendance at Continuing Professional Development courses within the college
- Formal lectures within the taught component of the MVetMed programme at a level above undergraduate or Continuing Professional Development courses
- Attendance at Scientific conferences
- Preparation and delivery of oral presentations
- An individual research project

19. Programme structures and requirements, levels, modules, credits and awards

Students will participate in

- clinical management and/or health maintenance programmes of individual animals or animals in groups and/or diagnostic pathology duties and will assume primary case responsibility under supervision. A case log will be kept of all cases managed. Case summaries will be written as required for client and referring vet communication documents.
- Department and speciality seminars and presentations
- weekly journal and/or book review with senior members of academic staff
- weekly training sessions pertinent to their chosen discipline

Research Project

Students will conduct a research project in the area of their choice over the three year programme, and produce a research poster, an oral presentation and a written research report in a format suitable for publication in a peer-reviewed journal.

Patterns of Study

The MVetMed is an award for students engaged in advanced clinical training, which may take various forms according to the speciality.

Every pattern of study must :

- 1 Meet the Educational Aims of the programme and
2. Meet the Programme Outcomes including both the listed teaching/learning methods and the assessments
3. Include a Research Project comprising 50% of the MVetMed Assessment
4. Modular taught studies and assessment to the value of 90 credits (or non-credited equivalent)

The modules described below may be replaced by other level 7 modules available at the RVC provided that there is equivalent or complementary content to the Modules listed below. Credit for participation in alternative modules will be subject to the approval of the MVetMed Course Management Committee.

Note: In line with the College's policy Assessment of Prior Learning and Admission with Advanced Standing, admission with advanced standing is permitted for this course. The maximum amount of exemption that any one applicant could be awarded is exemption from the requirement to complete any core modules (see below).

Modules

Students will complete 9 modules to include a minimum of 4 A modules and up to 5 B modules from the lists below and the required formative modules.

A modules for non-Zoo and Wildlife students

Applied Research Skills
Applied statistics and SPSS
Describing and Interpreting Clinical Data
Digital Literacy for Vets
Evidence Based Veterinary Medicine

A modules for Zoo and Wildlife students

Conservation Biology (MSc WAH)

B modules

Advanced Large Animal Medicine And Critical Care
Anaesthesia Journal Club
Basic Sciences Applied to Anaesthesia
Basic Science of Oncology – Tannock & Hill Book Club
Basic Small Animal Echocardiography

Bovine Health Management Journal Club
Cancer Chemotherapy & Biotherapy – Chabner Book Club
Cardiac Pathophysiology Book Club
Cardiology Book Club
Cardiology Journal Club
Clinical Oncology – Withrow Book Club

Ecosystem Health (MSc WAH)

Evaluation of the Health and Welfare of Captive Wild Animals (MSc WAH)

Health and Welfare of Captive Wild Animals (MSc WAH)

Impact of Diseases on Populations (MSc WAH)

Interventions for Wildlife (MSc WAH)

Required Formative modules

Scientific writing

Teaching & Learning in Higher Education (TLiHE)

Clinical Pathology Rounds

Clinical Pharmacology

Comparative Ophthalmology – Book Club

Comparative Ophthalmology – Eyelid Surgery Practical Assessment 1

Comparative Ophthalmology – Corneal Surgery Practical Assessment 2

Comparative Ophthalmology Journal Club

Critical Literature Review in Large Animal Medicine

Critical Literature Review In Oncology

Critical Literature Review In Veterinary Clinical Pathology

CSF Cytology Rounds

Detection, Surveillance and Emerging Diseases (MSc WAH)

Diagnostic Imaging Book Review

Diagnostic Imaging Case Rounds

Diagnostic Imaging Journal Club

Diagnostic Imaging Physics Review

ECC Journal Club

ECC Pathophysiology Book Club

ECG Interpretation

Equine Advanced General Surgery

Equine Ophthalmology

Equine Orthopaedic Surgery Skills

Equine Soft Tissue Surgery Skills

Equine Surgery Book Club

Equine Surgery Journal Club

Foot Health in Dairy Cattle

Gastrointestinal modules 1 and 2 (Small Animals)

General Pathology 1 & 2

Gross Pathology 1 & 2

Histopathology 1 & 2

Lab Based Diagnostics for Farm Animal Diseases

Large Animal Diagnostic Imaging Case Rounds

	<p>Large Animal Diagnostic Imaging Journal club</p> <p>Large Animal Respiratory Medicine</p> <p>Musculoskeletal Pathophysiology & Locomotion</p> <p>Practical Skills in Wild Animal Health (MSc WAH)</p> <p>Principles of Electrodiagnosis in Clinical Neurology</p> <p>Principles of Veterinary Neuroradiology</p> <p>Principles Of Veterinary Neurosurgery</p> <p>Problem Solving In Veterinary Neurology</p> <p>Problem Solving In Veterinary Neuroanatomy</p> <p>Problem Solving in Veterinary Neurophysiology & Neuropharmacology</p> <p>Renal Replacement Therapy in Small Animals</p> <p>Small Animal Nephrology</p> <p>Small Animal Surgery – Diagnostic Imaging</p> <p>Small Animal Surgery – Journal Club</p> <p>Small Animal Surgery – Tobias Book Club</p> <p>Surveillance of Animal Health and Production (MSc Vet Epi)</p> <p>Traumatology in Small Animals</p> <p>Veterinary Dermatology Journal Club</p> <p>Veterinary Dermatopathology</p> <p>Veterinary Pathology Journal Club</p>
20. Work Placement Requirements	N/A
21. Date of production/revision	06 June 2017