

Clinical Training Scholarship and MVetMed Programme Specification
Applies to cohort commencing 2015

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	Senior Clinical Training
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. Must normally be a Clinical Training Scholar at the RVC.</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 from overseas will be required to provide evidence of proficiency in spoken and written English and will be required to achieve an overall score of 7.5 in IELTS with a minimum of 7.0 in each sub-test; or a TOEFL score of at least 93 (internet-based test), 580 (paper-based test) or 237 (computer-based test), plus 4.5 in the Test of Written English (TWE)/Essay rating.</p> <p>At the time of studying for the MVetMed to be engaged in suitable advanced veterinary work with RVC or another employer.</p> <p>Satisfactory interview performance including psychometric evaluation.</p>

<p>13. UCAS code</p> <p>14. JACS Code</p> <p>15. Relevant QAA subject benchmark group(s)</p>	<p>N/A</p> <p>D200</p> <p>N/A</p>
<p>16. Reference points</p>	
<p>N/A</p>	
<p>17. Educational aims of programme</p>	
<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 	
<p>18. Programme outcomes - the programme offers opportunities for students to achieve and demonstrate the following learning outcomes.</p>	
<p>A. Knowledge and understanding of:</p> <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 relating to clinical practice, teaching and research • new developments in the relevant area of clinical expertise 	<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/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 • 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

<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 • Core taught modules • Elective taught modules • Required formative module 	<p>module (MCQ, EMQ, essays, practical spot-test exams)</p> <ul style="list-style-type: none"> • 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 • Core taught modules • Elective 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 and scientific texts

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

- 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

- be assigned to the clinic or diagnostic pathology duty rota and assume primary case responsibility under supervision. A case log will be kept of all cases managed, and case summaries will be written as part of the client and referring vet communication documents.
- participate in Department and speciality seminars and presentations
- participate in weekly journal and/or book review with senior clinicians/pathologists
- participate in weekly training sessions pertinent to 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 10 modules to include a minimum of 5 core modules and up to 5 elective modules from the lists below and the required formative module.

Core modules

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

Required Formative module

Scientific writing

Elective modules

Advanced General Veterinary Surgery
 Advanced Large Animal Medicine And Critical Care
 Anaesthesia and Analgesia Research Review
 Basic Small Animal Echocardiography
 Biophysics, Equipment and Monitoring
 Bovine Health Management Journal Club
 Cardiology Book Club
 Clinical Pathology Rounds
 Clinical Pharmacology
 Comparative Ophthalmology – Book Club
 Comparative Ophthalmology – Practical Assessment 1
 Comparative Ophthalmology – Practical Assessment 2
 Comparative Ophthalmology Journal Club
 Critical Literature Review In Anaesthesia
 Critical Literature Review in Large Animal Medicine
 Critical Literature Review In Large Animal Surgery

Critical Literature Review In Oncology

Critical Literature Review In Veterinary Clinical Pathology

CSF Cytology Rounds

Diagnostic Imaging Case Rounds

Diagnostic Imaging Journal Club

ECG Interpretation

Equine Cytology Rounds

Equine Ophthalmology

Feline Cardiology

Gastrointestinal modules 1 and 2 (Small Animals)

General Pathology 1 & 2

Histopathology I

Lab Based Diagnostics for Farm Animal Diseases

Large Animal Diagnostic Imaging Case Rounds

Large Animal Diagnostic Imaging Journal club

Large Animal Respiratory Medicine

Literature Review In Diagnostic Imaging

Molecular & Cellular Biology

Musculoskeletal Pathophysiology & Locomotion

Nephrology And Urology

Oncology 1

Oncology 2

Pathology Of The Alimentary Tract (Gastrointestinal Tract, Exocrine Pancreas & Liver)

Pathology Of The Haemopoietic And Lymphoreticular Systems

	<p>Pathology Of The Respiratory Tract</p> <p>Principles of Electrodiagnosis in Clinical Neurology</p> <p>Principles Of Veterinary Neurosurgery</p> <p>Problem Solving In Cancer Chemotherapy And Biotherapy</p> <p>Problem Solving in Clinical Oncology Book Club - Part 1 & 2</p> <p>Problem Solving In Neurology</p> <p>Problem Solving In Neurophysiology And Neuropharmacy</p> <p>Problem Solving In Veterinary Neuroanatomy</p> <p>Skin: At The Frontier - The Enemy Without & Within</p> <p>Small Animal Gastroenterology</p> <p>Small Animal Surgery – Diagnostic Imaging</p> <p>Small Animal Surgery – Journal Club</p> <p>Small Animal Surgery – Slatter Book Club & Practical Exam</p> <p>Systemic Veterinary Pathology 1 & 2</p> <p>Urogenital Pathology</p> <p>Veterinary Dermatology Journal Club</p> <p>Veterinary Dermatopathology</p> <p>Veterinary Neuroradiology</p> <p>Veterinary Pathology Journal Club</p>
<p>20. Work Placement Requirements</p>	<p>N/A</p>
<p>21. Date of production/revision</p>	<p>24Nov2014/CRL</p>