

### BVetMed Course Outline

<b>1. Awarding institution</b>	Royal Veterinary College
<b>2. Teaching institution</b>	Royal Veterinary College
<b>3. Programme accredited by</b>	<p>Royal College of Veterinary Surgeons (RCVS) - full recognition</p> <p>European Association of Establishments of Veterinary Education (EAEVE) - full accreditation</p> <p>American Veterinary Medical Association (AVMA) - full accreditation</p> <p>Australasian Veterinary Boards Council (AVBC)</p>
<b>4. Final award</b>	Bachelor of Veterinary Medicine
<b>5. Programme Title</b>	Veterinary Medicine
<b>6. Date of First Intake</b>	1791
<b>7. Frequency of Intake</b>	Annually in September
<b>8. Duration and Mode(s) of Study</b>	<p>Full-time D100: 5 years D101: 6 years (with intercalated BSc) D102 (Gateway): 6 years Graduate Entry route: 4 years</p> <p><i>Note: BSc in Pre-clinical Veterinary Sciences.</i> The BSc in Pre-clinical Veterinary Sciences is offered as an exit degree to students who have achieved an appropriate standard in the first three years of the BVetMed and who have met any other requirements specified in the Regulations for that degree.</p>
<b>9. Timing of Examination Board meetings</b>	<p>First Year BVetMed: June/July Second Year BVetMed: June/July Third year BVetMed: April/May Fourth year BVetMed: Dec/Jan Finals: July Gateway: June/July G year: June/July D101; BSc exam board annually in June</p>
<b>10. Date of Last Periodic Review</b>	2009/10
<b>11. Date of Next Periodic Review</b>	2014/15
<b>12. UCAS code</b>	D100 (five years)

	D101 (six years) D102 (Gateway)
<b>13. JACS Code</b>	D100 (five years) D101 (six years) D102 (Gateway)
<b>14. Relevant QAA subject benchmark</b>	Veterinary Science
<b>15. Reference points</b>	
<ul style="list-style-type: none"> <li>i. Veterinary Surgeons Act (1966)</li> <li>ii. EU Directive 78/1027/EEC (1978)</li> <li>iii. Report of the Committee of Enquiry into Veterinary Research ("Selborne") (1997)</li> <li>iv. QAA Benchmark Statement, Veterinary Science (2002)</li> <li>v. Veterinary Education and Training: a Framework for 2010 and beyond. (RCVS, 2002)</li> <li>vi. EU Directive 2005/36/EC (2005)</li> <li>vii. RCVS Guidelines on the Essential Competencies Required of the New Veterinary Graduate (2006)</li> <li>viii. RCVS EMS Recommendations, Policy and Guidance (2009)</li> <li>ix. Report of the North American Veterinary Medical Education Consortium (NAVMEC) (2011)</li> <li>x. Criteria and guidance for RCVS approval of veterinary degree courses in the UK &amp; overseas (2011)</li> <li>xi. Accreditation Policies and Procedures of the AVMA Council on Education (2012)</li> </ul>	
<b>16. Educational aims of programme</b>	
<ul style="list-style-type: none"> <li>• To provide a veterinary undergraduate curriculum designed to satisfy the requirements determined by the Royal College of Veterinary Surgeons, the American Veterinary Medical Association and the Veterinary Directives of the European Union.</li> <li>• To promote excellence and achieve and sustain high national and international standing in teaching and learning.</li> <li>• To provide appropriate preparation for career opportunities in the veterinary and associated professions.</li> <li>• To provide a learning environment that encourages the development of student interests and skills, with support from teaching staff many of whom are active in research and/or clinical practice.</li> <li>• To equip our graduates to continue to develop professionally and to achieve postgraduate qualifications.</li> </ul>	
<b>17. Programme outcomes - the programme offers opportunities for students to achieve and demonstrate the following learning outcomes.</b>	

**At the time of graduation students should, to a standard appropriate for a new veterinary graduate, be able to:**

- understand basic biological principles in relation to normal function and disease of animals;
- distinguish the pathological from the normal;
- prevent animal disease and control its transmission to humans;
- diagnose and treat diseases of animals and alleviate their suffering;
- adopt a logical approach to clinical problem solving;
- demonstrate practical competence in techniques and procedures;
- advise on animal management and welfare;
- communicate with the public and with colleagues in their future professional activities;
- demonstrate attitudes that promote professionalism, ethical judgement, enquiry and teamwork;
- exercise skills in Information Technology and data analysis.

### **Teaching/learning methods**

In the didactic parts of the course, teaching and learning is based upon:

- whole-class lectures;
- small group tutorials;
- groupwork in directed learning classes;
- computer-assisted learning;
- demonstrations;
- practical work in laboratory and dissection classes;
- practical classes utilising live animals;
- directed and self-directed reading;
- directed and self-directed practice in the Clinical Skills Centre;
- self-evaluation using multiple choice questions;
- animal husbandry placements;
- placements in veterinary practices;
- production of project reports.

In the final one and a half years of the course, teaching and learning is based upon:

- observation, discussion and practical experience as a member of the clinical team in the College's hospitals, and in clinical enterprises in which the College is a collaborating partner;
- placements in veterinary practices;
- attendance at lectures, seminars and workshops;
- completion of a major research project.

## **Assessment**

### **Practical tests**

- Objective Structured Clinical Examinations (OSCEs) to assess your practical clinical competencies
- Structured oral examinations, which test your integrated understanding of animal structure and function
- Spot tests assessing interpretation and the application of knowledge using items such as specimens or radiographs.

### **Written papers**

- Multiple choice questions (MCQs) testing factual knowledge
- Extended matching questions (EMQs) and case studies testing clinical reasoning
- Problem-solving questions
- Essay questions testing understanding, analysis, synthesis and critical thinking.

### **In-course assessments**

In the first two years, your progress will be monitored by in-course assessments.

#### **Research projects**

- Reports on two major research projects will be required – the second one supplemented by an oral defence.

Continuous assessment will be made of each clinical rotation, in the following areas:

- Professional activity
- Practical skills
- Clinical reasoning and application of knowledge.

#### **Additional assessments**

- An ICT skills test that must be completed satisfactorily in Year 1
- Tests of animal handling skills in horses, common farm animals, cats and dogs, birds, small mammals and exotic species
- 12 weeks of placements (AHEMS) on farms and in other animal establishments
- 26 weeks of clinical placements (EMSi) in veterinary practices and similar settings
- Attendance at a formative OSCE in Year 4.

**18. Programme structures and requirements, levels, modules, credits and awards**

Gateway Year (Year Zero)	Year One	Year Two	Year Three	Year Four	Year Five
<p>The moving animal</p> <p>The Living Cell</p> <p>Evolution</p> <p>Animal Handling</p> <p>Summative exam</p>	<p>Induction</p> <p>Introduction to The Whole Animal &amp; to Systems Strands</p> <ul style="list-style-type: none"> <li>•Locomotor</li> <li>•Principles Of Science</li> <li>•Neurology &amp; Special Senses</li> <li>•Cardiovascular &amp; Respiratory</li> <li>•Urogenital – Renal</li> <li>•Alimentary System</li> <li>•Urogenital – Reproduction</li> </ul> <p>Population Medicine &amp; Veterinary Public Health (PMVPH)</p> <p>Professional Studies</p> <p>Integrated Structure &amp; Function Tutorials take place throughout year</p> <p>Integrated Concepts</p> <p>Assessment</p>	<p>Integrated Structure &amp; Function Tutorials continue in Year 2</p> <p>Principles Of Science</p> <p>PMVPH</p> <p>Lymphoreticular &amp; Haemopoietic</p> <p>Cardiovascular &amp; Respiratory</p> <p>Professional Studies</p> <p>Endocrine</p> <p>Urogenital – Renal</p> <p>Assessment</p>	<p>Principles of Science</p> <p>Professional Studies</p> <p>Alimentary</p> <p>Endocrinology</p> <p>Population Medicine &amp; Veterinary Public Health</p> <p>Reproduction</p> <p>Assessment – Animal Handling Direct observation of procedural skills (DOPS)</p>	<p>Lymphoreticular &amp; Haemopoietic</p> <p>Skin</p> <p>PMVPH</p> <p>Objective structured clinical examination (OSCE)</p> <p>Revision</p> <p>Examinations</p>	<p>Core &amp; Track 8 - 11</p>
Christmas Holiday					

Inheritance, development al biology and reproduction	Principles Of Science	Principles Of Science	Principles Of Science	Pre-rotational taught tracking	Core & Track 12 - 14
The Living Cell	PMVPH	Professional Studies	Professional Studies	Revision	
Introduction to Immunology	Professional Studies	Locomotor	Reproduction	Resit examinations	
Animal Handling	Alimentary System	Urogenital – Reproduction	Cardiovascular & Respiratory	Core Rotations 1	
Lambing		Skin	Urogenital – Renal	Core Rotations 2	
		PMVPH	Endocrinology		
		Assessment			
Easter Holiday / Extra-Mural Placements					
Animal Husbandry	Neurology & Special Senses	Professional Studies	Assessment – BVM 3	Core & Track 3	OSCE
Parasitology and Immunity	Principles Of Science	Integrated Concepts – Themed Group Work	Professional Studies	Core & Track 4	Taught tracking
Revision	Professional Studies		Principles of Science	Core & Track 5	Professional Studies
End of Year Examinations	PMVPH	Assessment – End Of Year Examinations	Locomotor		Revision
	Assessment – End Of Year Examinations		Neurology & Special Senses		Oral defence
			Lymphoreticular & Haemopoietic		Finals
Summer Holiday / Extra-Mural Placements Re-sit Examinations				Core & Track 6	
				Core & Track 7	
				Core & Track 8	
<b>GRADUATE YEAR</b>					
The programme for the Graduate Year is as follows:					

Opportunity to do 6 weeks of Extra mural studies (EMS)
Induction Principles of Animal Form and Function Animal Husbandry Infections and Responses Examination
<b>Christmas</b>
Principles of Animal Form and Function Animal Husbandry Infections and Responses Examination Opportunity to do EMS
<b>Easter</b>
Principles of Animal Form and Function Animal Husbandry Infections and Responses Private Study Examinations Orals / Results
<b>19. Work Placement Requirements</b>
<p><b>Animal Husbandry ExtraMural Studies</b></p> <p>Students must complete 12 weeks of Animal Husbandry ExtraMural Studies before entry to Year 3 of the course, comprising:</p> <ul style="list-style-type: none"> <li>• 2 weeks on a lambing enterprise</li> <li>• 2 weeks on a dairy cattle farm</li> <li>• 2 weeks at a commercial pig operation</li> <li>• 2 weeks of equine experience</li> <li>• 4 weeks of their choice.</li> </ul> <p><b>Gateway</b>            From the 12 week total described for BVetMed, a minimum of 6 weeks Animal Husbandry ExtraMural Studies is to be completed by the end of BVetMed Year 1 (which includes the summer vacation period), including a minimum of 2 weeks lambing experience to be undertaken at the Easter vacation block in Gateway Year 0. The remaining weeks are to be completed by the end of the summer vacation in BVetMed Year 2.</p> <p><b>Clinical ExtraMural Studies</b></p> <p>Students must complete 26 weeks of Clinical ExtraMural Studies (EMS) during Years 3 to 5. Detailed regulations governing Clinical EMS are contained in the ClinEMS Student Guidelines.</p>