BSc Bioveterinary Sciences Programme Specification
Applies to Cohort Commencing 2010

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	Bachelor of Science
5. Programme Title	Bioveterinary Sciences
6. Date of First Intake	2002
7. Frequency of Intake	Annually in September
8. Duration and Mode(s) of Study	Three years full-time
9. Timing of Examination Board meetings	Annually in July
10. Date of Last Quinquennial Review	N/A
11. Date of Next Quinquennial Review	2012/13
12. Entry Requirements	*Academic requirements (http://www.rvc.ac.uk/Undergraduate/BScBiovetSci/EntranceReq.cfm)* Three B grades or above at Advanced-Level/A2 or equivalent. One must be in Chemistry and one other in Physics, Mathematics or Biology. The third subject can be anything except General Studies. Other courses that will be accepted include; Access to HE Diploma. BTEC National Diploma in Animal Management. Cambridge Pre-U .International Baccalaureate. Scottish Qualifications. Welsh Baccalaureate. Irish Leaving Certificat . UCL University Preparatory certificate for Science & Engineering (UPCSE) for International Students. <u>And</u> GCSEs at grade B in English, Mathematics (if not studied at A-Level) and Double Science (or in two individual science subjects, if taken separately)
13. UCAS code	D300
14. JACS Code	D300
15. Relevant QAA subject benchmark group(s)	Biosciences
16. Reference points	

Report of the Committee of Enquiry into Veterinary Research (the Selborne Report)

17. Educational aims of programme

- To offer a high quality course, in which students are challenged by, and stimulated to challenge, accepted wisdom in all fields of veterinary science.
- To prepare graduates for careers in academic and industrial research, biotechnology and the pharmaceutical industry in general, and in other veterinary and medicine-related industries.

18. Programme outcomes - the programme offers opportunities for students to achieve and demonstrate the following learning outcomes.

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

A. Demonstrate knowledge and understanding of:
1. Specialised terminology which underpins an individual discipline or subject area.
2. Cognate sciences.
3. The political, social and economic context of the applications of science.

B. Display the following cognitive (thinking) skills:
The ability to:
1. Access information and skills as required by a task
2. Make methodical observations on the normal and abnormal functioning of biological systems
3. Discriminate between important and relatively unimportant information and observations
4. Reflect on information and observations, and solve problems
5. Discuss uncertainty in relation to scientific "facts", and balance different schools of thought.

C. Display the following practical skills including the ability to:
1. Design and execute experiments, and to analyse and interpret the resultant data.
2. Present conclusions in a variety of formats.

D. The following are considered to be Key skills:
1. Communication.
2. Teamwork.
3. Personal management and career development.
4. Effective learning.
5. Problem-solving.
6. Information technology.
7. Numeracy.
8. Acting with integrity, being honest, fair and compassionate in all your work.
9. Maintaining high ethical principles in relation to business dealings, the use of information and experimentation in man and animals.

Teaching/learning methods

Students develop their knowledge and understanding through attendance at lectures, seminars, workshops, tutorials and through a variety of directed and self-directed learning activities, including practical exercises. They will learn cognitive skills through problem solving, case studies, reflection and role modelling. Practical skills will be learned through demonstration, observation, prosecution, feedback, role modelling and experimentation. Finally, Key Skills will be taught through group work and exercises, structured learning, practical work, reflection, presentations (oral and written) and problem-solving exercises.

Assessment

A. Knowledge and understanding:
Students will be assessed through a combination of formative, in-course and summative examinations, using a range of question formats.

B. Cognitive (thinking) skills:
Cognitive skills will be assessed through appropriately structured written examinations, together with project reports and discussion of poster presentations.

C. Practical skills:
Practical skills will be assessed using structured tasks and laboratory-based projects.

D. Key Skills:
Through key skills assessment criteria, alongside systems and discipline-based assessment criteria, these skills will be assessed in a variety of ways throughout the course.

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

The Bioveterinary Sciences degree is a linear, non-modular programme in its first two years. In the Third Year, each student follows a programme of modules and course units from those offered by the RVC and/or other institutions.

Year One is valued at 120 credits at Level 1; Year Two, 120 credits at Level Two; and Year Three, 120 credits at Level Three.

Year 1	Year 2	Year 3
The core course will comprise: • Form and Function • Control and Regulation • Problem Definition and Investigation • Foundations of Science	The core course will comprise: • The Enemy Within • The Enemy Without • Pharmacology: Principles and Practice • Entrepreneurship	Research Project Optional modules and course units.

The generic theme will continue throughout the first two years and will comprise:
- finding and using information
- what makes a professional scientist?
- epistemology
- scientific method

- statistics
- data recording
- basic epidemiology
- experimental design
- risk
- analytical tools
- ethics
- communication skills
- leadership
- team building and function
- business and financial management
- patent law

20. Work Placement Requirements	N/A