THE ROYAL VETERINARY COLLEGE
UNIVERSITY OF LONDON

Applies to the cohort commencing 2014

1. Awarding institution	The Royal Veterinary College and the London School of Hygiene and Tropical Medicine
2. Teaching institution	The Royal Veterinary College (University of London) in partnership with the London School of Hygiene and Tropical Medicin /TT1 1 Tf -0.002 Tc 0.013 Tw 9.9

	Academic Requirements Applicants should have a first- or second-class university honours degree or equivalent. Individuals with degrees in biological sciences, veterinary or human medicine, mathematics or statistics, and relevant postgraduate experience, are all encouraged to apply. Applicants are expected to have a high level of numeracy skills (e.g. A level Mathematics or Statistics or a module with a good mark in their university degree). *Other Requirements* Applicants from overseas will be required to provide evidence of proficiency in spoken and written English, including scientific usage and comprehension.
13. UCAS code	N/A
14. JACS Code	D200

15. Relevant QAA subject benchmark group(s)	N/A

16. Reference points

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

A. Knowledge and understanding of:

- Demonstrate a profound understanding of epidemiology as the study of patterns and factors that affect health and welfare in animal and human populations

- the role of epidemiology, the major health issues in both human and animal populations and the contribution of epidemiology to other health related disciplines
- design and implementation of epidemiological studies
- how to assess the results of epidemiological studies (their own or other investigators'), including critical appraisal of study question, study design, methods and conduct, statistical analysis and interpretation
- application of epidemiological principles to disease control.
- carrying out appropriate statistical analysis of epidemiological data
- carrying out an independent research project, writing the results in the form of a journal article and defending project orally
- communicating effectively with researchers from different disciplinary backgrounds, and with people who have an interest in human and animal health, including the general public and key pol64.68(al)3.1evart

C. Practical skills:	Teaching/learning methods:
• Entering and managing computerised epidemiological data • carrying out an independent research project, writing the results in the form of a journal article and defending a project orally** • Adapting locally available raw materials, conditions, rules and management structure to optimise animal health and production • Scientific skills, including critical review of the scientific literature • Decision making skills to analyse animal health problems at farm and national level.	Students learn practical skills through active participation in: • practical classes • individual research project** **Assessment:** • coursework • research project report** • oral examination**
D.4. Key skills:	Teaching/learning methods:
• integration skills • communication skills • group work skills • personal skills • interpersonal skills • organisational skills • learning skills • information gathering and analytical skills • problem solving skills • language skills • information technology skills	• regular interaction with course directors, tutors, lecturers and peers from their own and other health-related courses • practical classes • use of computer software in the preparation of assessment write-up and research project report (literature searching, MS Word), analysis of field and experimental data (Stata, ArcGIS , MS Excel, Berkeley Madonna* and @risk) • assignments • planning and carrying out an individual research project** **Assessment:** • course work • written examinations • research project report** • oral examination**

* Optional for PG Diploma course

** MSc course only

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

Term 1	Term 2	Term 3
Compulsory units for MSc & PG Diploma (stand-alone and exit award): Epidemiology in Practice Extended Epidemiology, Statistics for Epidemiology and Population Health, Epidemiological Aspects of Laboratory Investigation, Surveillance of Animal Health and Production. The compulsory term one units collectively form the Fundamentals, Principles and Practice of Veterinary Epidemiology super module which is worth a total of 60	**Compulsory units for MSc & stand-alone PG Diploma but optional for exit award PG Diploma:** Statistical Methods in Epidemiology, Epidemiology and Control of Communicable Diseases **Compulsory units for MSc but Optional for PG Diploma (stand-alone and exit award):** Modelling and the Dynamics of Infectious Diseases, Economics of One Health	**Compulsory Units for MSc but Optional for PG Diploma (stand-alone and exit award):** Applied Veterinary Epidemiology. The term 3 module is worth 15 credits. **Compulsory Research project for MSc only:** MSc Students spend half of Term 3 and full time for the following three months of the course working on an individual research project,

credits. **Optional units for MSc & PG Diploma (stand-alone and exit award). These units are not assessed and do not carry credits:** Molecular Epidemiology of Infectious Diseases, Global Health Lecture Series(recommended)	Each of the term 2 modules will be worth 15 credits. **Optional units for MSc & PG Diploma (stand-alone and exit award). These units are not assessed and do not carry credits:** Global Health Lecture Series (recommended)	with the guidance of a member of staff. The research project is worth 45 credits.

20. Work Placement Requirements	N/A

ASSESSMENT

See Modular Assessment and Award Regulations Annex A