

**THE ROYAL VETERINARY COLLEGE  
UNIVERSITY OF LONDON**

**Applies to the cohort commencing 2013**

	The Royal Veterinary College and the London School of Hygiene and Tropical Medicine
	The Royal Veterinary College (University of London) in partnership with the London School of Hygiene and Tropical Medicine (University of London)
	N/A
	Master of Science and Postgraduate Diploma
	Veterinary Epidemiology
	Annually in September
	2009/2010
	2014/2015
	<p><i>Academic Requirements</i></p> <p>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).</p> <p><i>Other Requirements</i></p> <p>Applicants from overseas will be required to provide evidence of proficiency in spoken and written English, including scientific usage and comprehension.</p>
	N/A
	D200

	N/A
N/A	

The course will provide students with an understanding of the conceptual basis of veterinary and medical epidemiology and with training in essential methodological skills for the conduct of epidemiological studies in animal and human populations.

On completion of the MSc and PG Diploma course, students will be able to:

- 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 policy makers

Students acquire knowledge and understanding through participation in:

- lectures
  - practical classes
  - multidisciplinary group work
  - assignments
  - problem-solving sessions
  - organised visits to sites of special interest off campus
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- coursework
  - written examinations
  - research project report\*\*
  - oral examination\*\*

- Planning
- Logic and reasoning
- Comprehension
- Visual and auditory processing
- Long-term memory

Students' cognitive skills are developed / reinforced through

- 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 software to the needs of the user

Laboratory Investigation,  
Surveillance of Animal Health  
and Production. The  
compulsory term one units  
collectively form the  
Fundamentals, Principles and  
Practice of Veterinary