

**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

	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 for use in the field

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