

GRADUATE EDUCATION IN EPIDEMIOLOGY AT THE ONTARIO VETERINARY COLLEGE

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The Department of Population Medicine is an international leader in promoting the optimal health and productivity of animal populations, ensuring the safety of foods of animal origin and preventing animal-related disease in humans. It offers MSc, DVSc and PhD programs. The MSc by course work requires, no fewer than eight courses (including the Project in Epidemiology course which is equivalent to two courses). Normally, the prescribed courses include: Epidemiology I (F); Epidemiology II (W); Project in Epidemiology (F, W, S) and Statistical Methods for the Life Sciences (F). Additional courses include: Statistics in the Health Sciences (W), Safety of Foods of Animal Origin and Epidemiology of Zoonoses. Questions about our programs can be answered by accessing our website at <http://www.ovcnet.uoguelph.ca/Dept.OVC/Popmed.OVC/gradprog.html>, or at the OVC homepage, <http://www.ovcnet.uoguelph.ca/HomePage.html>, under Academic Departments.

The Department of Population Medicine is an international leader in promoting the optimal health and productivity of animal populations, ensuring the safety of foods of animal origin and preventing animal-related disease in humans. Our research mission is to discover and disseminate knowledge regarding the management of health and productivity of animal populations, and the interrelationships of animals with humans and the environment. In support of this mission we rely principally on our expertise in field-based quantitative observational studies and clinical trials. Our teaching/learning mission is to guide students as they obtain an essential knowledge base and develop the necessary communicative, quantitative and problem-solving skills to integrate and apply this knowledge; and to instill the appropriate attitudes and abilities required for life-long learning. This poster concerns the coursework MSc program., but there are programs leading to MSc(by thesis or by courses), PhD and DVSc (Applied Doctorate) degrees. At least three semesters of full time study will be required for completion of the coursework MSc program; two of these semesters must be at the University of Guelph.

Epidemiology I (3) F

This course covers concepts, principles and methods of basic and applied epidemiology, including the following topics: sampling, measuring disease frequency, clinical epidemiology, causal reasoning and design, interpretation and critical appraisal of surveys, observational studies and field trials.

Epidemiology II (3) W

Advanced study design and analytic methods for the analysis of data from observational studies and surveys.

Project in Epidemiology (6) S

Collection and analysis of field data and the preparation of a written report suitable for publication, and oral presentation of the findings to the graduate faculty. This course is part of the MSc program by course work in epidemiology.

Statistics in the Health Sciences (3) W

The analysis of data in which the dependent variable (outcome) cannot be assumed to be normally distributed. Unifactor and multifactor qualitative data analysis, logistic regression, survival analysis and ranking procedures are among topics covered. Application rather than theory are emphasized.

Epidemiology of Zoonoses (3) W

Characterization and distribution of diseases common to man and animals.

Safety of Foods of Animal Origin (3) F

The detection, epidemiology, human health risk, and control of hazards in food of animal origin.

Seminar (1) F

A practical course that utilizes tutorials and workshops to help participants develop effective presentation skills.

Directed Studies in Population Medicine (3)

Assigned reading and/or special projects selected to provide in-depth study of topics appropriate to the specialized interests of individual students.

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