

UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN

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Office of the Provost and Vice Chancellor
for Academic Affairs

Swanlund Administration Building
601 East John Street
Champaign, IL 61820



January 18, 2005

Abbas Aminmansour, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Aminmansour:

Enclosed are copies of a proposal from the University of Illinois Urbana-Champaign College of Veterinary Medicine and the University of Illinois at Chicago School of Public Health for a Joint Doctor of Veterinary Medicine (DVM) and Masters of Public Health (MPH) Program.

This proposal has been approved by the College of Veterinary Medicine, and is currently undergoing the University of Illinois Chicago approval process. It now requires Senate review.

Sincerely,

Keith A. Marshall, Ph.D.
Assistant Provost

Enclosures

c: C. Livingstone

PROPOSAL TO THE SENATE COMMITTEE ON EDUCATIONAL POLICY**TITLE OF THE PROPOSAL:**

Joint Doctor of Veterinary Medicine (DVM) and Masters of Public Health (MPH) Program

SPONSOR:

University of Illinois Urbana-Champaign (UIUC) College of Veterinary Medicine (UIUC CVM)

John A. Herrmann, DVM, MPH, Diplomate ACT
Clinical Assistant Professor
231 LAC, MC-004
265-6585

Gerald J. Pijanowski, DVM, PhD
Associate Dean for Academic and Student Affairs
2271E VMBSB, MC-002
265-0380

University of Illinois at Chicago (UIC) School of Public Health (UIC SPH)

BRIEF DESCRIPTION:

The University of Illinois Urbana-Champaign College of Veterinary Medicine and the University of Illinois at Chicago School of Public Health propose to offer a joint Doctor of Veterinary Medicine and Master of Public Health program. Joint degree students will be awarded the Doctor of Veterinary Medicine (DVM) and the Masters of Public Health (MPH) degrees upon successful completion of **both** programs.

The joint DVM/MPH degree program is a five year program of study. Students in the program must satisfy the required four years of the professional Veterinary Medicine program of study. In addition, students in the DVM/MPH program must satisfy the required 39 to 41 semester hours of the Masters of Public Health Professional Enhancement Program (PEP).

Admission requirements: Students must meet the admissions criteria of, and be accepted into, both the College of Veterinary Medicine DVM program and the School of Public Health MPH program. DVM students must have earned a baccalaureate degree to qualify for admission to the joint degree program.

Degree requirements:

A description of course requirements for the joint DVM/MPH degree is attached.

Shared courses applied to both degrees:

The SPH Epidemiology 403 course (3 sh) will be applied to satisfy both the SPH and the CVM basic epidemiology course requirement VP 650 Epidemiology (2 sh). Other courses under development at the UIUC CVM, such as the introductory course, "Public Health Concepts and Practice", may be offered to fulfill some of the core courses required by UIC SPH for the MPH degree.

Twelve (12) semester hours of required course work taken at the School of Public Health to satisfy MPH course requirements will count toward the DVM free electives requirement.

Progression Through the Program:

The joint degree is designed as a five-year program of study. Veterinary medical students will ordinarily complete Years 1 through 3 of their veterinary medical training at UIUC, while taking some public health courses online and/or completing pre-approved courses within the graduate programs of Veterinary Pathobiology and Veterinary Biosciences deemed equivalent to required SPH courses. DVM students will spend a minimum of two semesters following their third year of veterinary training in residence at UIC SPH. Students will be encouraged to spend a summer in Chicago completing their field experience and capstone project in a public health related setting. Students will return to UIUC to complete their fourth year clinical rotations.

A sample program of study is attached.

JUSTIFICATION:

Veterinarians have made a substantial contribution to public health within the state of Illinois and nationally over the past 120 years. It has been estimated that 25 years of the 30 year gain in human life expectancy at birth achieved through the 20th century were due to improvements in sanitation and hygiene, two areas in which veterinarians continue to play an active and productive role. Recent research has suggested that far more infectious diseases are zoonotic than previously thought. Several examples of zoonotic exposures have occurred in the recent past, from SARS and avian flu virus to West Nile virus and monkey pox. With the advent of rapid transportation between countries and across time zones, disease transmission can occur rapidly with potentially devastating results for both humans and animals. The prospect of naturally occurring disasters and bioterrorism further illustrate that, to keep the public safe and healthy, health professionals from many backgrounds must be trained in the core principles of public health and possess special knowledge of public health epidemiology and disease control. The Institute of Medicine (IOM) report, "Who Will Keep the Public Healthy" (2003) further illustrated this need. The Centers for Disease Prevention and Control (CDC), the United States Department of Agriculture (USDA) and the Food and Drug Administration (FDA) have continuing needs for well-trained DVM/MPH professionals.

Veterinary medical students in the combined DVM/MPH degree program will acquire population based epidemiologic and statistical training as well as instruction in community and environmental health. Additional courses in the core disciplines of public health will only strengthen the students' veterinary medical training and their understanding of the principles

and applications of population health concepts.

Both the UIUC-CVM and the UIC-SPH have excellent national reputations. The joint DVM/MPH program will bring national acclaim to the University and foster collaborations on various aspects of public health practice and research.

BUDGETARY AND STAFF IMPLICATIONS:

The UIUC CVM appointed John A. Herrmann, DVM, MPH, Diplomate ACT, Clinical Assistant Professor in August, 2004. Dr. Herrmann will be responsible for the development of several elective courses for this program. No additional staff or dollars are needed.

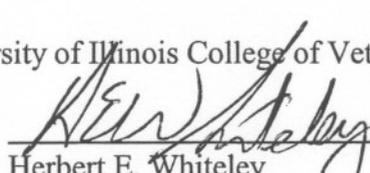
Veterinary students enrolled in this program will be existing students in core or elective veterinary courses thus there will be no impact class size, teaching loads, student-faculty ratio, etc.

There will be no impact on other UIUC departments as all course work is in the UIUC CVM.

There will be no impact on library, computer use, or other UIUC CVM facilities as participants in this program are all existing veterinary students.

CLEARANCES:

University of Illinois College of Veterinary Medicine



Herbert E. Whiteley

1-11-05

Date

University of Illinois School of Public Health

Epidemiology-Biostatistics Faculty Approval March 18, 2004

STATEMENT FOR PROGRAMS OF STUDY CATALOG:

The UIUC College of Veterinary Medicine and the UIC School of Public Health offer a joint DVM/MPH program. Students must complete a four year program of study at the UIUC College of Veterinary Medicine and between 35 and 38 semester hours of credit in the UIC School of Public Health, including at least two semesters in residence.

EFFECTIVE DATE:

Fall, 2005

Joint Doctor of Veterinary Medicine (DVM) and Masters of Public Health (MPH) Program

The DVM program requires a minimum of 156 semester hours for graduation. Of this, 144.5 semester hours are in core courses and at least 11.5 semester hours are elective courses. Up to 12 semester hours of MPH courses may be used as elective hours in the DVM program.

MPH epidemiology majors must satisfy a minimum of 50 semester hours in a comprehensive MPH program. MPH epidemiology majors in joint degree programs must only complete 39 to 41 semester hours of credit (equivalent to an MPH PEP program in epidemiology). Thus, in effect, SPH grants joint degree students 9 to 11 semester hours of credit for satisfactory completion of the dual degree professional program.

Course	Title	Hours
First Year - College of Veterinary Medicine		
VB 600	Gross Anatomy I	5
VB 601	Veterinary Histology	5
VB 610	Neurobiology	3
VB 615	Physiology I	4
VCM 628	Veterinary Clinical Orientation I	1
ANSC 325	Principles of Animal Nutrition	3
VB 602	Gross Anatomy II	4
VB 616	Physiology II	4.5
VCM 629	Veterinary Clinical Orientation II	1
VP 632	Immunology	3
	Electives	Variable
Second Year - College of Veterinary Medicine		
VB 618	Pharmacology I	2.5
VCM 672	Veterinary Jurisprudence	1
VP 630	Veterinary Medical History, Ethics and Orientation	1
VP 631	Bacteriology and Mycology	4
VP 633	Parasitology	4
VP 634	General Pathology	4
VP 650	Epidemiology	2
VB 619	Pharmacology II	3
VCM 630	Companion Animal Medicine I	2
VCM 631	Companion Animal Medicine II	3
VCM 658	Clinical Procedures and Problem Solving	1
VP 635	Special Pathology	4
VP 637	Virology	3
VP 638	Veterinary Clinical Pathology	4
VP 641	Food Safety and Public Health	2
	Electives	Variable

Third Year - College of Veterinary Medicine

VB 620	Toxicology	2
VCM 632	Companion Animal Medicine III	3
VCM 633	Companion Animal Medicine IV	2
VCM 637	Ruminant Health and Production I	2.5
VCM 651	Introduction to Surgery	1
VCM 652	General Small Animal Surgery	1.5
VCM 653	General Large Animal Surgery	1.5
VCM 659	Clinical Procedures and Problem Solving II	1
VCM 675	Theriogenology	4
VCM 676	Veterinary Anesthesiology and Fluid Therapy	2
VB 624	Food Animal Nutrition	2
VB 626	Companion Animal Nutrition	1
VCM 636	Cardio and Critical Care Medicine	2
VCM 638	Ruminant Health and Production II	2
VCM 639	Swine Health and Production	2
VCM 654	Small Animal Surgery	2.5
VCM 655	Special Large Animal Surgery	1.5-2.5
VCM 667	Radiology and Radiobiology	3
VP 643	Poultry Diseases	1
	Electives	Variable

Fourth Year - School of Public Health

BSTT 400	Biostatistics I	3 (will be taken on-line)
HPA 400	Principles of Management	3
CHS 400	Public Health Concepts and Practices	3 (will be taken on-line)
EOHS 400	Principles of Environmental Health	3 (will be taken on-line)
HPA 401	Behavioral Sciences	3 (will be taken on-line)
EPID 404	Intermediate Epidemiological Methods	4
EPID 406	Epidemiological Computing	2
EPID 410	Epidemiology of Infectious Diseases	2
EPID 591	Current Epidemiology Literature	2
BSTT 401	Biostatistics II	4
EPID 411	Epidemiology of Chronic Diseases	3
IPHS 650	Field Experience in Public Health	3-5
IPHS 698	MPH Capstone	3
EPID 403	Introduction to Epidemiology	3 (will substitute for VP 350)

Fifth Year - College of Veterinary Medicine

VCM 600 level	Clinical Clerkships	33
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