

**University Council Recommendations  
The University of Georgia**

**To:** President Michael F. Adams

**Re:** DOCUMENT NUMBER: 2005.12.01.01

**Issue:** A proposal for a Dual Degree - Doctor of Veterinary Medicine and Master of Public Health

**Discussion:** None

**Action:** The vote was called and the proposal was approved.

Submitted by: Rebecca L. Macon  
Rebecca L. Macon, Secretary

12.08.05  
Date

- Approved
- Reconsider
- Vetoed (see attached explanation)
- Received

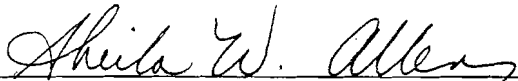
Michael F. Adams  
Michael F. Adams, President

12-12-05  
Date

Attachment

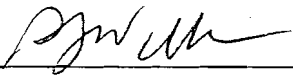
**The University of Georgia  
Combined Degree Program Proposal**

1. **Institution:** The University of Georgia, Athens
2. **Date:** August 30, 2005
3. **College:** College of Veterinary Medicine & College of Public Health
4. **Degrees:** Doctor of Veterinary Medicine (DVM) and Master of Public Health (MPH)
5. **Majors:** DVM – No major offered MPH – Public Health
6. **Starting date:** Spring term, 2006
7. **Signatures of Deans and Provost.**



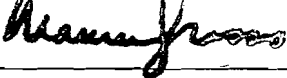
Date: 8-30-05

Dean, College of Veterinary Medicine



Date: 9/1/05

Dean, College of Public Health



Date: 9/28/05

Dean, Graduate School

Date: \_\_\_\_\_

Provost, University of Georgia

8. **Program abstract:**

The College of Veterinary Medicine has enriched the University and the State of Georgia for more than 55 years. The health of the state's animal industry depends to a large extent on the efforts of UGA-trained veterinary practitioners. Research programs at the UGA College of Veterinary Medicine make significant contributions to biomedical science. The populace of Georgia, the nation, and the world benefit from the efforts of veterinarians who serve as sentinels against zoonotic diseases (pathogens that are transmitted from animals to humans). Rabies and avian influenza are examples of such diseases. In fact, over 60% of pathogens that infect humans and 75% of newly emerging infectious diseases are transmissible from animals to humans.

Veterinarians in public health practice are focused on zoonotic diseases, food safety, water quality, environmental protection, biomedical research, health education, emergency medicine, and laboratory animal medicine. In addition to the above, veterinarians are now called upon to strengthen the country's defense capabilities in response to initiatives that began after the September 11, 2001 terrorist attacks. This is largely due to the fact that over 80% of biothreat agents are transmissible from animals to humans. At the current time, however, there is a critical shortage of veterinarians, particularly those serving in public health practice, with its requisite specialized training (Brown, *et al*, J. Am. Vet. Med. Assoc.

215:161-182, 1999). The opportunity to obtain training in a public health degree program leading to an MPH while pursuing the DVM will strengthen the public health workforce and alleviate the shortage of trained public health veterinarians in Georgia and elsewhere.

**9. Objectives of the program:**

The primary objective of this combined degree program is to train veterinary students in the basic sciences and clinical aspects of animal diseases through the core DVM degree program, and to provide the additional specialized public health training in the MPH program. The veterinary perspective is unique and invaluable in the development of multidisciplinary public health programs. The combined degree program offered by the University of Georgia, “will better prepare the profession to contribute to the protection and improvement of human as well as animal health” (Riddle, *et al*, J. Vet. Med. Educ., 31 (2):161-167, 2004). Students will achieve the DVM and MPH degrees in 12 semesters. The academic requirements will be upheld for each program.

**10. Justification and Need for the Program:**

- a. **Benefits:** The World Health Organization (WHO) has redefined veterinary public health as all contributions that lead to the complete physical, mental, and social well-being of humans through a more thorough understanding and application of veterinary science (WHO Technical Report Series 907. Geneva, WHO, 2002). The need for all types of public health professionals is steadily increasing as a result of changing human demographics, international travel, global commerce, technology and industry, microbial adaptation, human encroachment into wilderness areas, global climate changes, and terrorism (Riddle, *et al*, J. Vet. Med. Educ., 31 (2):161-167, 2004). As noted above, veterinarians in public health are involved in programs directed toward zoonotic diseases, food safety and water quality, environmental protection, biomedical research, health education, disaster and emergency response, and laboratory animal medicine. Little is taught in medical schools concerning zoonoses, unlike in veterinary schools where such diseases are a major component of the curriculum. Newly emerging areas where veterinarians have an opportunity to further strengthen the public health workforce and improve community health include risk analysis, communicable diseases other than the zoonoses, chronic diseases, human-animal relationships, professional leadership roles in public health programs at all levels, as well as the support, design, and efficacy analysis of such programs.
- b. **Student demand:** Although the DVM/MPH program is not yet established at UGA, veterinary students in each of the three current classes of the DVM program wish to enroll in the proposed program. To meet the growing demand for veterinarians trained in public health, veterinary colleges throughout the United States, including Minnesota, California-Davis, Tufts, Iowa State, North Carolina State, and Ohio State, have established or are establishing DVM/MPH combined degree programs to meet the growing demand for veterinarians trained in public health. Programs already in existence, such as those at Minnesota and Tufts, have more applications than they can accept. Many pre-veterinary students are aware that there is a considerable demand today for veterinarians in the field of public health. Finally, the veterinary profession as whole has suffered from its inability to attract under-represented minority students. Because

public practice historically has been a desired career path for minority veterinarians, we expect that the DVM/MPH will serve as an incentive for under-represented minority students to enroll at the UGA College of Veterinary Medicine.

- c. **Additional reasons:** Former Surgeon General C. Everett Kopp once said, “Health care is vital to all of us some of the time, but public health is vital to all of us all of the time.” Veterinary medicine is an integral and indispensable component of the nation’s public health system. Veterinarians protect human health by preventing and controlling infectious diseases, ensuring the safety and security of the nation’s food supply, promoting healthy environments, providing health care for animals, and assuring the well-being of wildlife and their ecosystems. Veterinarians are essential for early detection and response to disease events linked to newly emerging infectious diseases, such as BSE (mad cow disease), avian influenza, monkeypox, SARS, West Nile Virus, and other biothreat agents of concern. In this role veterinarians contribute to a safer and healthier environment. A strong and robust veterinary medical education system is essential for a highly qualified workforce of veterinarians to protect the public health. There is an immediate and urgent need to build national capacity in research and training in the prevention, surveillance, diagnosis and control of newly emerging and re-emerging infectious diseases.

This combined degree DVM/MPH program will provide the foundation for successful careers in public health with an emphasis on the interface of human and animal health. This interface spans the biomedical and food industries, as well as state and federal governmental agencies involved with agriculture. There is a great need to enhance public health services throughout Georgia, and trained public health veterinarians will provide a perspective unique and invaluable in the development of multidisciplinary public health programs.

Further, by combining the curricula of these two degree programs, the student effectively will reduce time spent in university studies by approximately one to two semesters compared to taking the two degrees separately. This is effectively accomplished by the DVM students obtaining experiential learning in public health programs at various governmental or international agencies during the summer semester in their second and, possibly, their third year of the veterinary curriculum. These learning experiences will be in public health agencies closely working with, and under the supervision of, experts in public health prevention and control programs.

#### 11. **Program development:**

The process for development of the MPH component of the combined degree began in 2001 with a report from a Working Group in Public Health from the Biomedical and Health Sciences Institute. The report served as the basis to pursue the MPH degree program at UGA. At the recommendation of the Acting Director of the Council on Education for Public Health, the agency that provides accreditation for schools of public health and graduate public health programs, it was decided that the MPH program should develop concentrations in the five core areas of public health (environmental health science, health promotion and behavior, health administration, biostatistics and epidemiology) rather than developing

concentrations in other areas, including veterinary medicine. It was strongly recommended, however, that UGA establish a combined DVM/MPH, which would place UGA in a small cadre of academic institutions providing this unique degree combination.

The President of the University and the Biomedical and Health Science Institute, in August, 2002, formally proposed a Master of Public Health (MPH) degree program at the UGA, which was approved. The MPH degree program in the College of Public Health at UGA began as an inter-disciplinary collaboration between the Departments of Environmental Health Science and Health Promotion and Behavior in cooperation with several other public health-related groups. Discussions began between faculty from the College of Veterinary Medicine and those involved in the MPH program to develop a proposal.

In 2002, the Dean of the College of Veterinary Medicine appointed an *ad hoc* committee to develop a plan for a Master of Public Health degree with a major in Veterinary Medicine. The committee made a recommendation in December, 2002 for a combined degree program for students currently in the DVM degree curriculum and another stand-alone MPH program for veterinarians. The Dean presented this recommendation to the College Curriculum and Graduate Affairs Committees, noting that the Biomedical Health Science Institute was proposing an interdisciplinary degree for the MPH. The Dean requested the Curriculum Committee address the issues of schedule, time-line and/or sequence of courses, which courses could be offered for both the DVM and the MPH degrees, and other pertinent issues. In March 2004, a veterinary curriculum was drafted for a Masters of Public Health which recognized the MPH Core Curriculum (15 hours of core courses plus 12 hours in the Environmental Health Science concentration [Attachment III]) required by the new College of Public Health. DVM/MPH Advisory Committee (formerly the Dean's *ad hoc* committee) met several times over the summer and early fall of 2004 to further define the combined degree program. In December, 2004, a part-time Acting Director of the DVM/MPH Combined Degree Program was hired to assist in the development and initiation of this program. This individual, Dr. David Dreesen, is an Emeritus Professor of the UGA CVM with an extensive background in veterinary and human public health.

## 12. Curriculum:

- a. **Course of study and enrollment sequence to complete the combined degree program:** See Attachment I
- b. **Program of study for DVM degree:** See Attachment II
- c. **Program of study for MPH degree:** See Attachment III

## 13. Admission and Administration:

- a. **Admission to the Combined Degree Program:** Prospective students and those who have been accepted to the College will be given information on the Combined Degree Program by means of a brochure, through presentations by faculty and others, and by personal discussions with the CVM Combined Degree Program Director. During their second semester in the CVM, all students take VETM 5110 entitled *Veterinary Medicine, an Umbrella of Opportunities*, in which they will receive further information on the DVM/MPH program of study.

Students enrolled in the DVM curriculum who express an interest in the Combined Degree Program of study may apply for entry into the program during their first four (4) semesters in the CVM. An advisory committee of CVM faculty will select 3-5 students each year for entry into the program. Entry into this program will be based on personal interviews by the committee, letters of intent by the students, and current academic standing. Each of these students in the program will be mentored by a CVM faculty member under the direction of the Director of the DVM/MPH Combined Degree Program. It should be noted here that any student in the DVM curriculum may, following all rules set forth by the College of Public Health and the UGA Graduate School, apply for acceptance into the Graduate School and the MPH program of study.

The students accepted into the DVM/MPH Combined Degree Program must apply to and be accepted by both the College of Public Health's MPH program and the UGA Graduate School. The Director of the DVM/MPH Combined Degree Program in the College of Veterinary Medicine and the MPH Graduate Coordinator will assist students in this part of the program of study. Students enrolled in the DVM/MPH Combined Degree Program will take the curriculum as outlined in Part 12 of this proposal.

Based on the current curriculum in both the College of Veterinary Medicine and the MPH program, students in the CVM Combined Degree Program will receive both the DVM and the MPH degrees at the completion of the program.

As previously described, students are admitted separately to the programs of study leading to the DVM and MPH degrees. Thus, a student in the DVM degree curriculum may, after admittance to the combined degree program, opt out of the MPH portion of the program and continue solely in the DVM degree course of study. The student would receive the DVM degree after all course requirements are met for this degree. Likewise, it would be possible for a student to leave the DVM degree course of study to concentrate solely on the MPH degree and receive only the MPH degree once all course requirements are met.

- b. Administration within the University:** The DVM/MPH Combined Degree Program will be administered directly by a Program Director within the office of the Associate Dean for Research and Graduate Affairs in the College of Veterinary Medicine (CVM). The Director of the DVM/MPH Combined Degree Program will be a member of the MPH Advisory Committee in the College of Public Health. The CVM Program Director will maintain a close working relationship with the Department of Environmental Health Science, the MPH Graduate Coordinator, and with the Deans of the College of Veterinary Medicine and the College of Public Health, and the UGA Graduate School.

#### 14. Assessment:

The document, *The Public Health Workforce: An Agenda for the 21<sup>st</sup> Century*<sup>1</sup> will be the central reference for program assessment. The DVM/MPH Program Director in the College of Veterinary Medicine and the MPH Advisory Committee in the College of Public Health

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<sup>1</sup> Public Health Service, United States Department of Health and Human Services, A Report of the Public Health Functions Project: <http://www.health.gov/phfunctions/pubhlth.pdf>

will also set goals and establish additional criteria for judging quality and progress of the study areas. The number and quality of the applicants will be used as indices of the effectiveness of recruiting and growth of the DVM/MPH Combined Degree Program. The success of those students completing the program, as well as program effectiveness, will also be monitored by:

- a. Tracking program graduates and determining what percentage were employed in their field within nine months of graduating with the DVM/MPH degrees.
- b. Conducting exit interviews with graduating students using personal interviews and the *Likert* scaled tool to assess their perception of the program and how it may be strengthened to provide greater student support.
- c. Surveying graduates two years post-graduation to compare what was taught versus what is required in their work. The survey will cover specific areas of the program aimed at discovering and remedying gaps in their education.
- d. Surveying preceptors and professionals in the field regarding their assessment of the quality of students both in the program and as graduates, the preparedness of the graduates to practice as public health professionals, and their comments on the program content and quality.

**15. Fiscal and Enrollment Impact:**

There is no additional anticipated fiscal impact as a result of this combined degree program. Additional faculty or staff resources will not be necessary for the delivery of this combined degree program. All courses included in the Program of Study are being offered currently. The College of Veterinary Medicine has committed resources to provide financial support for students enrolled in the program. This will diminish the financial burden of achieving both degrees.

**Attachment I**  
**DVM/MPH Program**  
**Combined degree program between the College of Veterinary Medicine**  
**and the College of Public Health**

Program goals

- Students will achieve the DVM and MPH degrees in 12 semesters.
- The academic requirements will be upheld for each program.
- The MPH program will grant credit for the Bacteriology/Mycology, Virology, and Parasitology, DVM courses, not to exceed a total of 9 credit hours.
- Students will complete 54 weeks of experiential learning for the DVM degree, as is required of others achieving the DVM degree.
- The DVM program will grant credit for the internship required for the MPH degree (300 hours).
- DVM tuition will be required while enrolled in only DVM courses (9 semesters), MPH tuition will be required when only MPH classes are taken (3 semesters).
- Students will participate in CVM graduation exercises with others from their class.
- Students will be admitted to the MPH program by spring semester of year 2.

Proposed sequence

<b>YEAR</b>	<b>FALL</b>	<b>SPRING</b>	<b>SUMMER</b>
<b>1</b>	<b>DVM*</b>	<b>DVM*</b>	
<b>2</b>	<b>DVM*</b> Apply for admission to MPH	<b>DVM</b>	<b>DVM</b> 12 weeks experiential learning: PH related
<b>3</b>	<b>DVM</b>	<b>DVM</b> 4 weeks didactic DVM, 12 weeks experiential learning: 4 PH & 8 DVM	<b>DVM</b> 12 weeks experiential learning: DVM related
<b>4</b>	<b>MPH didactic</b>	<b>MPH didactic</b> Students participate in DVM commencement, but do not get diploma until year 5	<b>DVM</b> 12 weeks experiential learning: DVM related
<b>5</b>	<b>MPH**</b> MPH internship and capstone paper, receive DVM and MPH degrees		

\*Courses taken in the DVM curriculum will fulfill 9 credit hours of course requirements for the MPH degree: (IDIS 6130/6130L Veterinary Bacteriology & Mycology, year 1 semester 1; IDIS 6140/6140L Veterinary Virology; year 1 semester 2, IDIS 6200/6200L ND Veterinary Parasitology, year 2 semester 1 – See footnote Attachment III).

\*\*The final semester will be comprised of any remaining MPH didactic course requirements, and the remaining MPH and clinical year DVM experiential learning requirements in the form of the required internship for the MPH. Students will receive DVM course credit for the internship and capstone paper requirement of the MPH. Students will receive the MPH and DVM degrees once all requirements are completed at the end of this semester.



## Attachment II - DVM Program of Study

NAME \_\_\_\_\_ Class of \_\_\_\_\_ E-Mail \_\_\_\_\_

Class Name	Course #	Pre-req	Instructor(s)	Call #	Cr Hrs	Pub Health
<b>FALL SEMESTER YEAR 1</b>						
<b>CORE COURSES</b>						
Veterinary Bacteriology and Mycology	IDIS 5130/5130L		Wooley		3.4	3.4
Veterinary Cell Biology	VARB 5170		Dookwah		1.0	1.0
Microscopic Anatomy of Domestic Animals	VARB 5180/5180L		Krunkosky/Jarrett		3.0	3.0
Veterinary Neuroanatomy and Neurophysiology	VARB/VPHY 5190		Edwards/Dookwah		2.6	2.6
Animal Physiological Chemistry	VPHY 5100		S. Lewis		2.0	2.0
Cardiovascular Physiology	VPHY 5120		S. Brown		0.8	0.8
Gastrointestinal Physiology	VPHY 5140		Sanderson		0.6	0.6
Prin of Veterinary Anatomy and Embryology (begins in	VARB 5150		C. Roberts/Smodlaka		4.5	4.5
<b>CREDIT HOURS FALL SEMESTER YEAR 1</b>					17.9	17.9
<b>CORE COURSES SPRING SEMESTER YR 1</b>						
Physical diagnosis	LAMS/SAMS 5150		Williamson/Koenig		1.3	1.3
Veterinary Virology	IDIS 5140/5140L		Greene		2.2	2.2
Veterinary Immunology (begins Fall sem)	IDIS 5150/5150L		Friedmann/Evans		2.5	2.5
Basic Comparative Animal Nutrition	VPHY 5170		Sanderson		1.6	1.6
Lab in Anat of Horse, Food Animal or Dog and Cat	VARB 5120, 5130 or 5160		Smodlaka/C. Roberts		4.6	4.6
Veterinary Ethics and Jurisprudence	VETM 5100		Reeves		0.6	0.6
Veterinary Med: An Umbrella of Opportunities	VETM 5110		C. Brown		1.0	1.0
Respiratory Physiology	VPHY 5130		Lewis		0.6	0.6
Endocrinology and Reproduction	VPHY 5150		Hoening		2.3	2.3
Renal and Body Fluid Physiology	VPHY 5160		S. Brown		1.3	1.3
<b>CORE CREDIT HRS SPRING SEM YR 1</b>					18.0	18.0
<b>ELECTIVE COURSES SPRING SEM YR 1</b>						
LA Infectious Diseases	LAMS 5160		Woolums		0.9	0.9
Using Multimedia in your Veterinary practice	LAMS 5170		Jim Moore		1.0	
Public Health (32)	LAMS/VPAT 5180		Cole/C. Brown		1.0	1.0
Molecular Biology for Veterinarians	IDIS 5100		Peterson		1.0	
Intro to Vet Emerg and Critical Care Medicine	SAMS 5100		Radlinsky		1.0	
Small Animal Infectious Disease	SAMS 5105		Greene		1.5	
Small Animal Clinic Emergency Elective**	SAMS 5110		Greene		0.5*	
Wildlife Medicine Clinical Elective	SAMS 5117		Wilson/H. Divers		0.5*	
Small Mammal & Aquatic Medicine (even yrs)	SAMS 5217		H. Divers/Wilson		1.0	
Communication Skills for Vets	SAMS 5120		Cornell		1.0	1.0
Comm Skills for the Vet Lab (40)	SAMS 5120L		Cornell		0.5	0.5
Clinical Anatomy of Large Animals	VARB 5105/5105L		Dookwah		1.0	
International Veterinary Medicine	VETM 5201		C. Brown		1.0	1.0
Physiological Basis of Clin Dis and Therapy (20)	VPHY 5115		S. Brown		1.0	1.0
<b>ELECTIVE CREDIT HRS SPRING SEM YR 1</b>					11.9	5.4
<b>TOTAL CREDIT HOURS YEAR 1</b>						41.3

\*can take  $\geq 0.5$  credit hours, \*\*may be repeated, (#) limited space

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NAME \_\_\_\_\_ Class of \_\_\_\_\_ E-Mail \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

Class Name	Course #	Pre-req	Instructor(s)	Call #	Cr Hrs	Pub Health
<b>FALL SEMESTER YEAR 2</b>						
<b>CORE COURSES</b>						
Applied Preventive Health	LAMS 5280		Reeves		0.4	<b>0.4</b>
Epidemiology and Preventive Medicine	IDIS 5250		Stallknecht		2.7	<b>2.7</b>
Veterinary Parasitology	IDIS 5200/5200L		Little		3.7	<b>3.7</b>
Veterinary Animal Behavior	VARB 5240		Crowell-Davis		1.2	<b>1.2</b>
General Animal Pathology	VPAT 5200/5200L		Carmichael		2.8	<b>2.8</b>
Dermatology and Integumentary Pathology	VPAT/SAMS/LAMS 5205/5205L		Carmichael		1.0	<b>1.0</b>
Principles of Pharmacology	VPHY 5200		Ferguson		3.1	<b>3.1</b>
<b>CORE CREDIT HRS FALL SEM YR 2</b>					14.9	<b>14.9</b>
<b>ELECTIVE COURSES FALL SEM YR 2</b>						
Management for Food Animal Health & Prod	LAMS 5200		Reeves		1.7	<b>1.7</b>
Large Animal Dermatology	LAMS 5201		Woolums		0.5	
Equine Dentistry (12)	LAMS 5211/5211L		Lowder		1.0	
Problems in Large Animal Medicine (35)	LAMS 5240		White		1.0	<b>1.0</b>
Small Animal Advanced Parasitology	IDIS 5220/5220L		Little		1.0	
Small Animal Dermatology	SAMS 5201		Medleau/Austell/Hensel		2.0	
Small Animal Oncology	SAMS 5202		Northrup		1.0	
Equine Behavior (odd years) min # students: 5	VARB 5200		Crowell-Davis		1.0	
Behavior Problems in Cats min # students: 5	VARB 5212		Crowell-Davis		0.5	
Behavior Problems of Dogs min # students: 5	VARB 5214		Crowell-Davis		1.0	
Studies in Appl and Dom An Behavior (POD)	VARB 5220		Crowell-Davis		0.7*	
Lab An Med: Husbandry, Dis & Mngmt of Lab Animals	VETM 5202		King		1.0	<b>1.0</b>
Clinical Therapeutics I (40)	VPHY 5210		Hoening/Ferguson		1.0	
Problem Based Pathophysiology (8)	VPHY/SAMS 5216		S. Brown		2.0	
Zoo & Wildlife Medicine (even years) (begins fall 2006)	SAMS 5116		H. Divers/Wilson		2.0	
Exotic Anim Med - Avian & Reptile (odd years)	SAMS 5218		H. Divers/Wilson		1.5	
<b>ELECTIVE CREDIT HRS FALL SEM YR 2</b>					18.2	<b>3.7</b>

\*can take  $\geq$  noted credit hours, (#)limited space, POD - Permission of Dept.

## Attachment II - DVM Program of Study

NAME \_\_\_\_\_ Class of \_\_\_\_\_ E-Mail \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

Class Name	Course #	Pre-req	Instructor(s)	Call #	Cr Hrs	Pub Health
<b>CORE COURSES SPRING SEMESTER YR 2</b>						
Principles of Anesthesia	LAMS/SAMS 5203		Trim		1.0	1.0
Veterinary Ophthalmology	SAMS 5200		Moore/Dietrich		1.3	1.3
Polysystemic Dis: Hematology & Endo	SAMS 5220		Greene		1.3	1.3
Principles of Surgery	SAMS 5240		Cornell		0.7	0.7
General Surgery Practicum	SAMS 5250		Parks		1.0	1.0
Systemic Pathology I	VPAT 5215		Carmichael		2.0	2.0
Clinical pathology	VPAT 5250/5250L		LeRoy		3.6	3.6
Veterinary Toxicology	VPHY 5220		Coffield		1.2	1.2
<b>CORE CREDIT HRS SPRING SEM YR 2</b>					12.1	12.1
<b>ELECTIVE COURSES SPRING SEM YR 2</b>						
Poultry Diseases	AVMD 5250		Zavala		2.0	2.0
Using Multimedia in your Veterinary Practice	LAMS 5170		Jim Moore		1.0	
Large Animal Advanced Anesthesia	LAMS 5220		Trim		1.0	
LA Med I: Urology, Hematology & Endocrin	LAMS 5230		Williamson/Woolums/Barton		1.3	
Public Health (32)	LAMS/VPAT 5180L		Cole/C. Brown		1.0	
Wildlife Diseases	IDIS 5201		Stallknecht		1.0	1.0
Molecular Biology for Veterinarians	IDIS 5100		Peterson		1.0	
Large Animal Parasitology	IDIS 5215/5215L		Kaplan		1.0	1.0
Vet Emergency and Critical Care Medicine	SAMS 5100		Radlinsky		1.0	
Small Animal Infectious Diseases	SAMS 5105		Greene		1.5	
Small Animal Clinic Emerg Elect**	SAMS 5110		Greene		0.5*	
Wildlife Medicine Clinical Elective	SAMS 5117		Wilson/H. Divers		0.5*	
Small Mammal & Aquatic Medicine (even yrs)	SAMS 5217		H. Divers/Wilson		1.0	
Communication Skills for the Vet Prof	SAMS 5120		Cornell		1.0	
Comm Skills for the Vet Prof Lab (40)	SAMS 5120L		Cornell		0.5	
Small Animal Clinical Endocrinology	SAMS 5221		Greene/Flatland/Ferguson/Hoenig		1.5	
Small Animal Urology	SAMS 5230		Barsanti/Radlinsky		2.0	
Clinical Anatomy of Large Animals	VARB 5105/5105L		Smodlaka		1.0	
International Veterinary Medicine	VETM 5201		C. Brown		1.0	
Introduction to Vet Botanical Medicine (25)	VPHY 5215		Ferguson		1.0	
Prin of Small Animal Toxicology	VPHY 5221		Coffield		0.5	
Prin of Large Animal Toxicology	VPHY 5222		Coffield		0.5	
<b>ELECTIVE CREDIT HRS SPRING SEM YR 2</b>					21.3	4.0
<b>TOTAL CREDIT HOURS YEAR 2</b>						34.7
<b>CUMULATIVE CREDIT HOURS</b>						76.0

\*can take ≥ noted credit hours, \*\*may be repeated, (#)limited space

## Attachment II - DVM Program of Study

NAME \_\_\_\_\_ Class of \_\_\_\_\_ E-Mail \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

Class Name	Course #	Pre-req	Instructor(s)	Call #	Cr Hrs	Pub Health
<b>FALL SEMESTER YEAR 3</b>						
<b>CORE COURSES</b>						
Large Animal Theriogenology selective	LAMS 5310		Fayrer-Hosken		2.6	2.6
Small Animal Theriogenology selective	LAMS 5311		Fayrer-Hosken/Hollett		1.4	
Large Animal Digestive Diseases	LAMS 5350		Jim Moore		1.9	1.9
Musculoskeletal Diseases	LAMS/SAMS 5359		Peroni/Budsberg		2.0	2.0
SA & LA Basic Surgical Techniques	SAMS/LAMS 5373		Peroni/Rawlings		1.5	1.5
Small Animal Digestive Diseases	SAMS 5350		Flatland		1.2	1.2
Radiology	VARB 5310		Selcer		3.5	3.5
Systemic Pathology II	VPAT 5316		Howerth		2.0	2.0
<b>CORE CREDIT HRS FALL SEM YR 3</b>						<b>14.7</b>
<b>ELECTIVE COURSES FALL SEM YR 3</b>						
Food An Health & Production Management	LAMS 5200		Reeves		1.7	1.7
Large Animal Dermatology	LAMS 5201		Woolums		0.5	
Equine Internal Medicine: Digestive Diseases	LAMS 5351		Barton/Moore		0.8	
Equine Surgery I: Musculoskeletal	LAMS 5375		Mueller		1.0	
Equine Dentistry (12)	LAMS 5211/5211L		Lowder		1.0	
Problems in Large Animal Medicine (35)	LAMS 5240		White		1.0	
Equine Foot	LAMS 5353		Parks		1.0	
Bovine Surgery	LAMS 5385		Mueller		1.0	
Diseases of Swine	LAMS 5390		Reeves		1.3	1.3
Small Animal Advanced Parasitology	IDIS 5220/5220L		Little		1.0	
Small Animal Dermatology	SAMS 5201		Medleau/Austel/Hensel		2.0	
Small Animal Oncology	SAMS 5202		Northrup		1.0	
Small Animal Advanced Digestive Diseases	SAMS 5315		Flatland/Cornell		1.0	
SA Advanced Anesthesia	SAMS 5325		Hofmeister		1.0	
Advanced Ophthalmology (25)	SAMS 5335		Dietrich/Moore		1.5	
Small Animal Musculoskeletal Diseases	SAMS 5345		Chambers		1.4	
Small Animal Advanced Surgical Techniques (54)	SAMS 5372		Aron		1.4	
Equine Behavior (odd numbered years) min # students: 5	VARB 5200		Crowell-Davis		1.0	
Behavior Problems in Cats min # students: 5	VARB 5212		Crowell-Davis		0.5	
Behavior Problems of Dogs min # students: 5	VARB 5214		Crowell-Davis		1.0	
Studies Appl and Dom Anim Behavior (POD)	VARB 5220		Crowell-Davis		0.7*	
Laboratory Animal Medicine	VETM 5202		King		1.0	
Studies in Diagnostic Pathology (POD)	VPAT 5301		Howerth		1.0	1.0
Problem Based Pathophysiology (8)	VPHY/SAMS 5216		S. Brown		2.0	
Clinical Therapeutics II (8)	VPHY 5310		Hoening/Ferguson		1.0	
Zoo & Wildlife Medicine (even years) (begins fall 2006)	SAMS 5116		H. Divers/Wilson		2.0	
Exotic Anim Med - Avian & Reptile (odd yrs)	SAMS 5218		H. Divers/Wilson		1.5	
<b>ELECTIVE CREDIT HRS FALL SEM YR 3</b>						<b>4.0</b>

\*can take ≥ noted credit hours, (#)Limited space, POD - Permission of Dept.

## Attachment II - DVM Program of Study

NAME \_\_\_\_\_ Class of \_\_\_\_\_ E-Mail \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

MENTOR NAME \_\_\_\_\_

Class Name	Course #	Pre-req	Instructor(s)	Call #	Cr Hrs	Pub Health
<b>CORE COURSES SPRING SEMESTER YR 3</b>						
Neurology	SAMS/LAMS 5305		Kent		1.2	1.2
Respiratory diseases	LAMS/SAMS 5333		White		1.3	1.3
Cardiology	SAMS/LAMS 5355		Calvert		0.4	0.4
Veterinary Practice Management	VETM 5300		S. Allen		1.6	1.6
<b>CORE CREDIT HRS SPRING SEM YR 3</b>						<b>4.5</b>
<b>ELECTIVE COURSES SPRING SEM YR 3</b>						
Large Animal Advanced Surgical Techniques(24)	LAMS 5380		Mueller		1.0	
Equine Surgery II: Soft Tissue Surgery	LAMS 5376		Mueller		1.0	
Large Animal Cardiology	LAMS 5323		Barton		0.4	
Equine Respiratory Dis	LAMS 5313		White		1.5	
Ruminant Internal Medicine: Digestive Dis	LAMS 5312		Ensley		0.5	
Ruminant Internal Med: Cardiopulmonary Dis	LAMS 5301		Woolums		1.5	
Large Animal Neurology	LAMS 5314		White		1.0	
Equine Clinical Diagnostic Imaging	LAMS 5315		Peroni/Barton		1.0	
Wildlife Medicine Clinical Elective	SAMS 5117		Wilson/H. Divers		0.5*	
Marine Mammal Medicine	SAMS 5316		H. Divers/Wilson/Beusse		1.0	
Small Animal Cardiology	SAMS 5346		Calvert		1.5	
SA Respiratory Diseases	SAMS 5336		Calvert		1.0	
Small Animal Clinical Neurology	SAMS 5326		Kent/James		1.3	
Sm Anim Clinic Emergency Elective	SAMS 5110		Greene		0.5*	
Studies in Diagnostic Pathology (POD)	VPAT 5301		Howerth		1.0	
Public Health externship 4 weeks*	VETM 5600				1.3	5.2
<b>ELECTIVE CREDIT HRS SPRING SEM YR 3</b>						<b>5.2</b>
<b>TOTAL CREDIT HOURS YEAR 3</b>						<b>28.4</b>
<b>CUMULATIVE CREDIT HOURS</b> (total needed by the end of junior year - 103.8 cr hrs)						<b>104.4</b>

\*can take  $\geq$  noted credit hours, POD - Permission of Dept.

## Attachment II - DVM Program of Study

Year 4 (see programs of study for more information)

Class Name	Course #	Pre-req	Instructor(s)	Call #	Cr Hrs	Pub Health
<b>Core Requirements (18.2 credit hrs.)</b>						
Small Animal Community Practice	SAMS 5475				3.9	3.9
Clinical Anesthesiology	SAMS 5405				3.9	3.9
Clinical Radiology	VARB 5480				3.9	3.9
Diagnostic Pathology	VPAT 5400				2.6	2.6
LA Choice Rotation# _____	LAMS _____				3.9	#
<b>Emphasis &amp; Elective Requirements (52 - 55.9 credit hrs.)</b>						
Large Animal Internal Medicine	LAMS 5415				3.9	3.9
Large Animal Surgery	LAMS 5420				3.9	
Large Animal Farm Practice	LAMS 5425				3.9	3.9
Theriogenology	LAMS 5435	LAMS 5310			3.9	
Food Animal Practice	LAMS 5445	LAMS 5200			3.9	3.9
Food Animal Practice - Beef Cattle	LAMS 5446	LAMS 5200			7.8	7.8
Dairy Production Medicine	LAMS 5447	LAMS 5200			7.8	7.8
Food Animal Practice - Swine	LAMS 5448	LAMS 5200			7.8	7.8
Advanced Equine Theriogenology	LAMS 5455	LAMS 5310			3.9-7.8	
Large Animal Advanced Anesthesia Rotation	LAMS 5400	LAMS 5220			2.6-3.9	
Equine Diagnostic Imaging & Lameness	LAMS 5470				3.9	
Equine Clinical Nutrition	LAMS 5475				3.9	
Small Animal General Surgery	SAMS 5450				3.9	
Small Animal Orthopedic Surgery	SAMS 5430	SAMS 5345			3.9	
Exotic Animal, Wildlife, and Zoo Clin Medicine***	SAMS 5415				3.9	
Small Animal Dermatology	SAMS 5435	SAMS 5201			3.9	
Small Animal Ophthalmology	SAMS 5460				3.9	
Small Animal Internal Medicine	SAMS 5485	SAMS 5105&5230			3.9	
Small Animal Neurology/Neurosurgery	SAMS 5465	SAMS 5326			3.9	
Small Animal Clinical Oncology	SAMS 5440	SAMS 5202			3.9	
Small Animal Cardiology	SAMS 5455				3.9	
Daytime Emergency & Critical Care	SAMS 5490	SAMS 5100			1.3-5.2	
Studies in Adv Clinical Parasitology	IDIS 5400				1.3-3.9	
Wildlife Population Health Rotation (POD)	IDIS 5410				3.9-7.8	3.9
Anatomic Pathology Clerkship (POD)	VPAT 5401				1.3-2.6	1.3
Clinical Pathology Clerkship (POD)	VPAT 5402				1.3-2.6	
Advanced Small Animal Nutrition	VPHY 5445				2.6	
Avian (poultry only) Medicine Clinical Rotation	AVMD 5400	AVMD 5250			3.9	3.9
Clinical Animal Behavior**	VARB 5450				3.9-7.8	
Small Animal Ultrasound Elective	VARB 5481				2.6	
Other UGA elective _____					1.3-5.2	
Other UGA elective _____					≥3.9	
Other Institution elect _____					≥2.6	
Public Health Externship	VETM 5600				≥3.9	11.7
Externship _____					≥3.9	
<b>TOTAL CREDIT HOURS YEAR 4 (70.2-74.1 credit hrs.)</b>						<b>70.2</b>
<b>CUMULATIVE CREDIT HOURS</b>						<b>174.6</b>
<b>Credit Hrs. Remaining for Graduation (total needed to grad. 174 cr hrs)</b>						<b>-0.6</b>

### Attachment III. Course of Study Required to Complete the MPH

All students tracking in the DVM/MPH Combined Degree Program will be in the Concentration in Environmental Health Sciences.

<b>Required Core Courses:</b>		<b>15 hours</b>
STAT 6200	Introductory Biostatistics	(3 hrs)
HPRB 6040	Use of Epidemiology Data in Hlth Promotion & Behavior	(3 hrs)
EHSC 7060	Fundamentals of Environmental Health Science	(3 hrs)
HPRB 7070	Program Planning in Health Promotion & Disease Prevention	(3 hrs)
HADM 7600	Introduction to Health Policy and Management	(3 hrs)
<b>Environmental Health Science Core Courses (Select 12 credits from list)</b>		<b>12 hours</b>
EHSC 6490	Environmental Toxicology	(3 hrs)
EHSC 7400	Occupational and Environmental Diseases	(3 hrs)
EHSC 8150	Environmental health seminar	(1 hr)
EHSC 8120	Roles & Responsibilities of Environmental Policy	(2 hrs)
EHSC 8510/L	Environmental Risk Assessment and Communication	(3 hrs)
EHSC 8930	Chemical Toxicology	(3 hrs)
<b>Electives:</b>		<b>17 hours #</b>
IDIS 5130/6130*	Veterinary Bacteriology & Mycology	3.4
IDIS 5140/6140*	Veterinary Virology	2.2
IDIS 5200/6200*	Veterinary Parasitology	3.7

The MPH Graduate Coordinator has approved that 9 hours of electives can be carried over from the veterinary curriculum. The above three courses are considered courses in which the student will become knowledgeable in both the human health as well as animal health concerns. The remaining 8 hours (minimum) of elective courses may come from the list of electives for the MPH degree.#

**Internship:** **6 hours**  
All students will complete a minimum of 300 contact hours of supervised internship with a public health agency or organization.

**Masters (Capstone) Paper:** **3 hours**  
A masters level paper supervised by the academic advisor describing the learning experience acquired in the study program.

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\*Currently, these courses do not carry the 6000 level designation but this will be changed so that they will be both 5000 and 6000 level courses.

# The College of Public Health is requesting approval to reduce the minimum MPH credit hours from 53 to 45. When this change is approved, the total number of required elective credits will be 9. Thus, the requirement for the DVM/MPH will change accordingly.