



The University of Georgia

University Council
Athens, Georgia 30602

March 18, 2016

UNIVERSITY CURRICULUM COMMITTEE – 2015-2016

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Dear Colleagues:

The attached proposal to make the following changes to combine programs in the College of Veterinary Medicine will be an agenda item for the March 25, 2016, Full University Curriculum Committee meeting:

Change the name of the major in Veterinary and Biomedical Sciences (M.S.) to Comparative Biomedical Sciences (M.S.)

Add the following new areas of emphasis under the major in Comparative Biomedical Sciences (M.S.):

New Area of Emphasis in Biomedical Sciences

New Area of Emphasis in Avian Medicine

New Area of Emphasis in Avian Health and Medicine (Online)

New Area of Emphasis in Food Animal Medicine

Terminate the Master of Avian Medicine (M.A.M.)

Terminate the Master of Avian Health and Medicine (M.A.H.M., Online)

Terminate the Master of Food Animal Medicine (M.F.A.M.)

Sincerely,

William K. Vencill, Chair

University Curriculum Committee

cc: Provost Pamela S. Whitten
Dr. Rahul Shrivastav

Committee on Facilities, Committee on Intercollegiate Athletics, Committee on Statutes, Bylaws, and Committees, Committee on Student Affairs, Curriculum Committee, Educational Affairs Committee, Executive Committee, Faculty Admissions Committee, Faculty Affairs Committee, Faculty Grievance Committee, Faculty Post-Tenure Review Appeals Committee, Faculty/Staff Parking Appeals Committee, Human Resources Committee, Program Review and Assessment Committee, Strategic Planning Committee, University Libraries Committee, University Promotion and Tenure Appeals Committee

NAME CHANGE JUSTIFICATION FORM

School/College Name: College of Veterinary Medicine

Department Name: College of Veterinary Medicine

Major Name Changes:

Current Major Name:	Degree	Proposed Major Name:	Degree
<u>Veterinary and Biomedical Sciences</u>	<u>M.S.</u>	<u>Comparative Biomedical Sciences</u>	<u>M.S.</u>

JUSTIFICATION:

See attached Justification Page

M.S. degree program in Comparative Biomedical Sciences Justification of Proposed Name Change

The college-wide M.S. degree program in Veterinary and Biomedical Sciences was implemented in August 2006 with the core mission to train the next generation of veterinary and biomedical scientists. We propose to change the name of this program to Comparative Biomedical Sciences to better reflect and highlight the current broader mission of the program, which emphasizes interdisciplinary training in biomedicine. The objective is to attract and train a cadre of highly qualified graduate students in the biomedical sciences, where there is a consistent demand for M.S. degree training. From 2011 to 2015, there was an annual average of 33 students who applied, with 9 accepted and enrolled in the Veterinary and Biomedical Sciences M.S. degrees in the College of Veterinary Medicine. We expect this number to increase with the inclusion of additional areas of emphasis (see below).

M.S. programs in the College of Veterinary Medicine serve two purposes: 1) to train skilled laboratory and field technologists who eventually find jobs in various biomedical and veterinary industries, and 2) to prepare students for higher degree education (i.e., Ph.D., M.D., and D.V.M.). The M.S. degree program in the proposed Comparative Biomedical Sciences will continue to fulfill a societal need to provide the training in translational areas of emphasis in the biomedical sciences. The pharmaceutical industry and biotechnology companies continue to employ candidates with M.S. training in biomedical sciences as well. The M.S. in Comparative Biomedical Sciences program complements other degree programs within the college, such as Ph.D., D.V.M., D.V.M./M.P.H., and D.V.M./Ph.D.

The proposed M.S. degree program in Comparative Biomedical Sciences will include four areas of emphasis:

- Biomedical Sciences
- Avian Medicine
- Food Animal Medicine
- Avian Health and Medicine (Online)

The specific justifications for changing the name of the M.S. degree program in Veterinary and Biomedical Sciences to Comparative Biomedical Sciences are as follows:

- The new name more clearly conveys the broader emphases of the program.
- The proposed change allows for the inclusion and consolidation of four existing M.S. degrees as areas of emphases under a single, centrally-administered, M.S. degree program and provides a means to include future areas of emphases.
- The inclusion of emphases under a single program provides greater flexibility in recruitment and post-graduate training of individuals holding either a professional degree (e.g., D.V.M. or equivalent) or a baccalaureate degree. In addition, by taking “Veterinary” out of the program name, it will be more evident for non-D.V.M., post-baccalaureate students to recognize they’re eligible for admission.
- The change eliminates confusion in name recognition between the current Veterinary and Biomedical Sciences M.S. (VBS) program and the name of the Department of Veterinary Biosciences and Diagnostic Imaging (VBDI) in the College of Veterinary Medicine.

PROPOSAL FOR AREA OF EMPHASIS

1. School/College: College of Veterinary Medicine
2. Department/Division: College of Veterinary Medicine
3. Major: Comparative Biomedical Sciences (M.S.)

If major has more than one area of emphasis, submit all areas of emphasis under one major together. A course may appear in more than one area of emphasis, but each area of emphasis should have a distinct focus.

4. Major Requirements: Requirements for the Area of Emphasis in Biomedical Sciences are 30 credit hours of graduate-level courses taught at the College of Veterinary Medicine and in related programs. Please see attached for potential courses.
5. Area of Emphasis Title (as it will appear in the *Bulletin*): Biomedical Sciences
6. Proposed starting date: Fall 2016 (when Comparative Biomedical Sciences (M.S.) becomes effective)
7. Area of Emphasis Description:

The Area of Emphasis in Biomedical Sciences is part of a thesis master's degree offered by all departments in the College of Veterinary Medicine, University of Georgia. The goal of the program is to train both post-baccalaureate students and veterinarians in translational, interdisciplinary, and/or biomedical research. Students are instructed in the basic sciences involved in the study of their respective departmental fields, as well as practical aspects of veterinary medicine, in the case of veterinarians concurrently seeking residency training. This is accomplished by involving students in formal classroom teaching, laboratory and/or field research, departmental seminars, journal clubs, special projects, and in the case of veterinarians in residency training, clinical rounds and service duty.

Course requirements and Program of Study are attached.

**BIOMEDICAL SCIENCES AREA OF EMPHASIS
COURSE REQUIREMENTS AND PROGRAM OF STUDY**

There are no core course requirements for MS students in order to provide the flexibility to design translational and interdisciplinary programs suitable to each student's thesis project. Depending on the discipline, sample programs of study are listed as the following by department:

Infectious Diseases

Year 1

IDIS 7000	Master's Research	3 hrs
BCMB 4010/6010	Biochemistry and Molecular Biology I	4 hrs
CBIO(MIBO)(IDIS) 4100/6100	Immunology	3 hrs
IDIS 8550	Special Topics in Immunology	1 hr
IDIS 8160	Seminar in Infectious Diseases	1 hr
IDIS 8010	Advanced Studies in Infectious Diseases	4 hrs
IDIS 8160	Seminar in Infectious Diseases	1 hr
GENE 8650	Responsible Science	1 hr
IDIS 8590	Special Topics on Disease Intervention	1 hr
	Total	19 hrs

Year 2

BIOS 7010	Introductory Biostatistics I	3 hrs
IDIS 8540	Special Topics in Bacterial Pathogenesis	1 hr
IDIS 8160	Seminar in Infectious Diseases	1 hr
MARS(MIBO) 4620/6620-4620L/6620L	Microbial Ecology	3 hrs
IDIS 8250	Special Topics in Parasitology	1 hr
IDIS 8160	Seminar in Infectious Diseases	1 hr
IDIS 7300	Master's Thesis	5 hrs
	Total	15 hrs

Pathology

Year 1

CBIO(MIBO)(IDIS) 4100/6100	Immunology	3 hrs
STAT 6210	Introduction to Statistical Methods I	3 hrs
BIOL(CBIO)(VPAT) 5040/7040	Electron Microscopy	3 hrs
VPAT 7200-7200L	General Animal Pathology	3.7 hrs
VPAT 7000	Master's Research	3 hrs
	Total	15.7 hrs

Year 2

VPAT 8020	Cellular Pathology	4 hrs
VPAT 7005	Graduate Student Seminar	3 hr
VPAT 7000	Master's Research	3 hrs
VPAT 7300	Master's Thesis	7 hrs
	Total	17 hrs

Physiology and Pharmacology

Year 1

VPHY 6050	Animal Physiological Chemistry	2 hrs
STAT 6210	Introduction to Statistical Methods I	3 hrs
VPHY 6090	Comparative Mammalian Physiology	3 hrs
VPHY 6930	Research Methods	3 hrs
VPHY 7000	Master's Research/Physiology	3 hrs
	Total	14 hrs

Year 2

VPHY 8010	Mammalian Cell Physiology	3 hrs
VPHY 8400	Neurophysiology	3 hrs
VPHY 8900	Physiology-Pharmacology Seminar	1 hr
VPHY 7000	Master's Research/Physiology	3 hrs
VPHY 7300	Master's Thesis	7 hrs
	Total	17 hrs

Veterinary Biosciences and Diagnostic Imaging

Year 1

VBDI 8030	Veterinary Histology	3 hrs
STAT 6210	Introduction to Statistical Methods I	3 hrs
VARB 6070	Neuroanatomy of Domestic Animals	1.3 hrs
VPHY 6930	Research Methods	3 hrs
VBDI 7000	Master's Research	3 hrs
	Total	13.3 hrs

Year 2

VARB 7150	Principles of Veterinary Anatomy	4 hrs
VBDI 7140	Veterinary Animal Behavior	1.3 hrs
VBDI 8340	Seminar in Applied and Domestic Animal Behavior	1 hr
VBDI 7000	Master's Research	3 hrs
VBDI 7300	Master's Thesis	6 hrs
	Total	15.3 hrs

PROPOSAL FOR AREA OF EMPHASIS

1. School/College: College of Veterinary Medicine
2. Department/Division: College of Veterinary Medicine
3. Major: Comparative Biomedical Sciences (M.S.)

If major has more than one area of emphasis, submit all areas of emphasis under one major together. A course may appear in more than one area of emphasis, but each area of emphasis should have a distinct focus.

4. Major Requirements: Requirements for the Area of Emphasis in Avian Medicine are a veterinary degree from an U.S. accredited school of veterinary medicine and a background in avian medicine.
5. Area of Emphasis Title (as it will appear in the *Bulletin*): Avian Medicine
6. Proposed starting date: Fall 2016 (when Comparative Biomedical Sciences (M.S.) becomes effective)
7. Area of Emphasis Description:

The Master of Avian Medicine (M.A.M.) degree program was started in 1970 and has evolved over the years to its current form, which we propose to change to an Area of Emphasis under the Comparative Biomedical Sciences Major. This program provides the training required for veterinarians to work effectively in the poultry industry. It is part of a non-thesis M.S. degree program and clinical residency program. The program typically admits two (up to four) students each June. Students are enrolled in classes in virology, diagnostic bacteriology, histopathology, toxicology, pharmacology, nutrition, and clinical avian medicine.

Course requirements and Program of Study are attached.

**AVIAN MEDICINE AREA OF EMPHASIS
COURSE REQUIREMENTS AND PROGRAM OF STUDY**

<u>Semester 1 (Summer)</u>		<u>Credit Hours</u>	<u>Instructor</u>
POPH 6050	Avian Diseases	(3 hrs)	Collett
POPH 6160L	Poultry Disease and Management Interaction	(3 hrs)	Roney
POPH 8110	Problems in Poultry Diseases and Parasites	<u>(3 hrs)</u>	Hofacre
		9 hrs	
<u>Semester 2 (Fall)</u>			
POPH 6121	Avian Medicine Clinical Rounds	(1 hr)	Collett
POPH 6141	Avian Necropsy	(3 hrs)	Collett
POPH 8050	Avian Virus Diseases	(3 hrs)	Sellers
POPH 8050L	Avian Virus Diseases Laboratory	(1 hr)	Sellers
POPH 8150	Avian Medicine Seminar	(1 hr)	Maurer
POPH 8240L	Histopathology for Poultry Medicine Residents	<u>(3 hrs)</u>	Williams
		12 hrs	
<u>Semester 3 (Spring)</u>			
POPH 6100	Clinical Avian Medicine	(3 hrs)	Hofacre
POPH 6121	Avian Medicine Clinical Rounds	(1 hr)	Collett
POPH 6141	Avian Necropsy	(3 hrs)	Collett
POPH 7060	Avian Diagnostic Microbiology	(3 hrs)	Lee
POPH 7060L	Avian Diagnostic Microbiology Laboratory	(1 hr)	Lee
POPH 8150	Avian Medicine Seminar	<u>(1 hr)</u>	Collett
		12 hrs	
<u>Semester 4 (Summer)</u>			
POPH 6141	Avian Necropsy	(2 hrs)	Collett
POPH 6800	Poultry Pharmacology and Toxicology	(3 hrs)	Hofacre/Williams
POPH 8120	Poultry Nutrition for Masters in Avian Medicine	(1 hr)	Collett
POPH 8160	Scientific Manuscript Writing	<u>(3 hrs)</u>	Collett
		9 hrs	
<u>Semester 5 (Fall)</u>			
POPH 6121	Avian Medicine Clinical Rounds	(1 hr)	Collett
POPH 6141	Avian Necropsy	(3 hrs)	Collett
POPH 6210	Avian Medicine Externship	(12 hrs)	Collett
POPH 8150	Avian Medicine Seminar	<u>(1 hr)</u>	Hofacre
		17 hrs	
Total Semester hours		59 hours	

Departmental Seminar

Seminars are held weekly during each semester at Poultry Diagnostic and Research Center with the exception of summer semester. Avian Medicine (AM) students are expected to attend all seminars. AM students will be registered for POPH 8150 during semesters 2, 3, and 5. Each student must present one seminar. Equipment is available and seminars take place in room 107 in building 2315.

6-month Review

A 6-month progress review will be conducted one-on-one with each graduate student and all clinicians as needed to inform student of areas of clinical study where extra attention should be made. Written records of these evaluations will be provided to the student and a copy retained by the graduate coordinator to be used in learning assessment reports.

Departmental Examinations

- a) Preliminary written and oral examination -- AM students must complete a written exam and then sit before the faculty of PDRC for a preliminary oral examination at the end of semester 3. The purpose of the exam is to allow the student and the faculty to evaluate the strengths and weaknesses in the student's knowledge so that deficiencies can be identified and corrected.
- b) Final oral examination -- AM students must sit before the faculty of PDRC for a final oral examination at least two weeks before the end of semester 5. Students must pass the final oral examination to obtain the MS degree in Comparative Biomedical Sciences with an Area of Emphasis in Avian Medicine.

PROPOSAL FOR AREA OF EMPHASIS

1. School/College: College of Veterinary Medicine
2. Department/Division: College of Veterinary Medicine
3. Major: Comparative Biomedical Sciences (M.S.)

If major has more than one area of emphasis, submit all areas of emphasis under one major together. A course may appear in more than one area of emphasis, but each area of emphasis should have a distinct focus.

4. Major Requirements: Requirements are a degree in veterinary medicine or equivalent and a strong background in poultry production.
5. Area of Emphasis Title (as it will appear in the *Bulletin*): Avian Health and Medicine (Online)
6. Proposed starting date: Fall 2016 (when Comparative Biomedical Sciences (M.S.) becomes effective)
7. Area of Emphasis Description:

This online degree program provides a rich learning experience for students wishing to maximize their employment opportunities in a global poultry employment market and will ensure the global consumer of poultry meat and eggs an adequate supply of safe/wholesome poultry meat and eggs. Global demand for poultry veterinarians is strong, particularly in developing countries.

Course requirements and Program of Study are attached.

**AVIAN HEALTH AND MEDICINE AREA OF EMPHASIS (ONLINE)
COURSE REQUIREMENTS AND PROGRAM OF STUDY**

<u>Semester 1 (Fall)</u>		<u>Credit Hours</u>
POPH 7210E	Breeder Husbandry and Health	(3 hrs)
POPH 7220E	Incubation Theory, Hatchery Practices, and Poultry Health	(3 hrs)
POPH 7230E	Poultry Genetics and Nutrition	(3 hrs)
POPH 7414E	Poultry Practicum I – Poultry Husbandry	<u>(3 hrs)</u>
		12 hrs

<u>Semester 2 (Spring)</u>		
POPH 7310E	Poultry Pathology	(9 hrs)
POPH 7418E	Poultry Practicum II – Management of Disease	<u>(3 hrs)</u>
		12 hrs

Satisfactory completion of semesters one and two fulfill requirements for the Postgraduate Certificate in Avian Health if a student decides not to pursue a major in Comparative Biomedical Sciences (M.S.) with an Area of Emphasis in Online Avian Health and Medicine.

<u>Semester 3 (Fall)</u>		
POPH 7320E	Poultry Immunology and Infectious Diseases	(9 hrs)
POPH 7513E	Poultry Practicum III – Preventive Medicine	<u>(3 hrs)</u>
		12 hrs

<u>Semester 4 (Spring)</u>		
POPH 7330E	Poultry Food Safety Epidemiology	(6 hrs)
POPH 7420E	Poultry and Public Health Issues Impacting International Trade	(3 hrs)
POPH 7517E	Poultry Practicum IV – International Trade Issues	<u>(3 hrs)</u>
		12 hrs

<u>Semester 5 (Fall)</u>		
POPH 7421E	Economics of Poultry Production	(3 hrs)
POPH 7422E	Poultry Disease Prevention Programs	(3 hrs)
POPH 7610E	Poultry Routine Health Surveys	(3 hrs)
POPH 7612E	Poultry Practicum V – Production Economics and Financial Analysis	<u>(3 hrs)</u>
		12 hrs

<u>Spring Semester 6 (Spring)</u>		
POPH 7615E	Special Problems in Population Health	(6 hrs)
POPH 7618E	Masters Research Summary	<u>(6 hrs)</u>
		12 hrs

Total Semester hours	72 hours
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Program of Study

The Master of Avian Health and Medicine is composed of individual units, each focusing on topics relevant to the modern poultry veterinarian. Each unit runs for 16 weeks, and there are 6 units total. Each unit has the basic structure of 1 preparatory week, 14 “lecture” weeks, and a final examination week. Students are expected to set aside approximately 15 hours per week for participation in online activities. As in a traditional course, the student will then be required to spend time each week reading assignments and studying.

Each of these units/semesters is 3 lecture courses and 1 laboratory course for each 4-month semester of the 3-year program. In each of these courses, there are 2 topic areas of study, a major topic area and a minor topic area. At the end of each course, there is an examination (assessment test). At the end of the semester, there is then a final comprehensive examination that covers all 4 courses. Since many of these students will be fully employed while taking the course, they will have class fall semester and spring semester with no summer semester classes.

PROPOSAL FOR AREA OF EMPHASIS

1. School/College: College of Veterinary Medicine
2. Department/Division: College of Veterinary Medicine
3. Major: Comparative Biomedical Sciences (M.S.)

If major has more than one area of emphasis, submit all areas of emphasis under one major together. A course may appear in more than one area of emphasis, but each area of emphasis should have a distinct focus.

4. Major Requirements: Requirements are a veterinary degree from a U.S. accredited veterinary school and a background in large animal medicine.
5. Area of Emphasis Title (as it will appear in the *Bulletin*): Food Animal Medicine
6. Proposed starting date: Fall 2016 (when Comparative Biomedical Sciences (M.S.) becomes effective)
7. Area of Emphasis Description:

The Area of Emphasis in Food Animal Medicine is part of a non-thesis master's degree offered by the Department of Population Health, College of Veterinary Medicine, University of Georgia. The goal of the program is to train veterinarians to play a productive role in the modern livestock and dairy industry. Students are instructed in the basic sciences involved in disease diagnostics, prevention, and therapy, as well as the practical aspects of animal husbandry and the structure and functioning of the livestock and dairy industry. This is accomplished by involving the students in formal classroom teaching, laboratory teaching, field investigations, departmental seminars, clinical rounds, regional seminars, special projects, and externships.

Course requirements and Program of Study are attached.

**FOOD ANIMAL MEDICINE AREA OF EMPHASIS
COURSE REQUIREMENTS AND PROGRAM OF STUDY**

<u>Semester 1 (Summer)</u>		<u>Credits Hours</u>	<u>Instructor</u>
POPH 6700	Clinical Food Animal Medicine	(3 hrs)	Credille/Rollin
POPH 8900	Problems in Population Health	(3 hrs)	Credille
POPH 8900	Problems in Population Health	<u>(3 hrs)</u>	Berghaus
		9 hrs	
<u>Semester 2 (Fall)</u>			
POPH 6160	Special Problems in Food Animal Medicine	(3 hrs)	Credille
BIOS 7010	Introductory Biostatistics I	(3 hrs)	TBD
POPH 6230	Problems in Epidemiology and Statistics	(2 hrs)	Rollin
POPH 6110	Problems in Food Animal Infectious Disease	(2 hrs)	Hurley
POPH 6130	Food Animal Production Medicine Seminar	(1 hr)	Hurley
POPH 6120	Food Animal Production Medicine Clinical Rounds	<u>(1 hr)</u>	Credille
		12 hrs	
<u>Semester 3 (Spring)</u>			
BIOS 7020	Introductory Biostatistics II	(3 hrs)	TBD
POPH 6140	Applied Veterinary Economics	(1.5 hrs)	Reeves
POPH 6160	Special Problems in Food Animal Medicine	(3 hrs)	Berghaus
POPH 6130	Food Animal Production Medicine Seminar	(1 hr)	Hurley
POPH 6700	Clinical Food Animal Medicine	(3 hrs)	Credille/Rollin
POPH 6120	Food Animal Production Medicine Clinical Rounds	<u>(1 hr)</u>	Credille
		12.5 hrs	
<u>Semester 4 (Summer)</u>			
POPH 6240	Food Animal Production Medicine Externship	(8 hrs)	TBD
POPH 8160	Scientific Manuscript Writing	<u>(3 hrs)</u>	Rollin
		11 hrs	
<u>Semester 5 (Fall)</u>			
POPH 6250	Directed Studies in Food Animal Clinical Research	(7 hrs)	Berghaus
POPH 6130	Food Animal Production Medicine Seminar	(1 hr)	Hurley
POPH 6700	Clinical Food Animal Medicine	(3 hrs)	Credille/Rollin
POPH 6120	Food Animal Medicine Clinical Rounds	<u>(1 hr)</u>	Credille
		12 hrs	
 Total Semester hours		 56.5 hours	

Program of Study

All students are required to take a core curriculum defined by the FAHMP faculty. The following areas are emphasized: experimental (trial) design, nutrition, environmental management, economics, pharmacology, epidemiology, biostatistics, immunology, and pathogenesis of disease. Through a seminar and journal club course, the students will be expected to refine their communication skills. Through a system of cooperative arrangements with livestock production, pharmaceutical, and biologic companies, students will plan, execute, and produce a formal summary report of at least one applied research study. The students will develop advanced clinical skills by participating in clinical cases that prioritize, evaluate, and resolve production-related issues. Development of leadership and programmatic planning skills will be expected. The program of study covers five semesters. Other classes may be substituted for those listed above depending on course availability and the specific career objectives of the individual student.

Externship

Students will be registered for POPH 6240, Food Animal Production Medicine Externship, during semester 4. The externship allows students to work with private food animal practitioners, pharmaceutical companies, diagnostic labs, universities, or other approved food animal enterprises. The student's major professor is responsible for helping the student organize externships. The students must provide a written report of their externships to their major professor and an oral report in clinical rounds.

Scholarly Writing

Students must demonstrate scholarly achievements in research and clinical activity by fulfilling the following two requirements:

- 1) Perform an applied research study and write a corresponding scientific manuscript.
- 2) Complete any one of the following three options related to clinical scholarship:
 - a. Write a clinical case report suitable for peer-reviewed publication.
 - b. Complete a systematic review of a clinically relevant topic and write a corresponding manuscript suitable for peer-reviewed publication.
 - c. Write three lay articles related to food animal production medicine that are suitable for publication in a venue such as the Georgia Cattlemen's Magazine, the DairyFax Newsletter, or on the FAHMP website.

Both the research manuscript and the selected clinical writing option should be submitted for publication. Scientific manuscripts should be in the format of a refereed journal approved by the student's major professor. The student must present an outline of the applied research project to the graduate committee prior to leaving on externship. The finished paper, or evidence of suitable progress toward completing the paper, should be presented to their major professor after returning from externship. Failure to do so may result in an incomplete grade for the POPH 8160, Scientific Manuscript Writing. At the end of semester 5, the completed paper must be turned in or the student may be ineligible to sit for the final exam. Students choosing options 2a or 2b for the clinical writing component should submit the corresponding manuscript by the end of semester 5 (December). Students choosing option 2c should submit the first article by the end of semester 2 (December), the second by the end of semester 3 (May), and the third by the end of semester 5 (December).

Departmental Seminar

Students will be enrolled in POPH 6130, Food Animal Production Medicine Seminar, during semesters 2, 3, and 5. MFAM students are expected to attend a seminar weekly, and each student must present at least one seminar before graduating.

Program Examinations

- a) Students must sit before the FAHMP faculty for a preliminary oral exam at the end of semester 2 (December). The purpose of the exam is to allow the student and the faculty to evaluate the strengths and weaknesses in the student's knowledge so that deficiencies can be identified and addressed during the program. Students will meet with the Graduate Coordinator and receive a written evaluation of their performance within two weeks after completing the preliminary exam.
- b) Students must sit before the FAHMP faculty and pass an oral exam at the end of semester 5 to obtain the degree.

OUTLINE FOR DEACTIVATION OR TERMINATION OF A GRADUATE OR UNDERGRADUATE DEGREE PROGRAM

I. Basic Information

1. Institution: University of Georgia

Date: 3/7/2016

2. School/College: College of Veterinary Medicine

3. Department/Division: Population Health

4. Program

Degree: Master of Avian Medicine (M.A.M.)

Major: Avian Medicine

5. Deactivation or Termination

6. Last date students will be admitted to this program: Semester before Comparative Biomedical Sciences (M.S.) is effective

7. Last date students will graduate from this program: December, 2017

8. Abstract of the deactivated or terminated program

The Master of Avian Medicine (M.A.M.) degree program was started in 1970 and has evolved over the years to its current form, which we propose to change to an Area of Emphasis in the Comparative Biomedical Sciences (M.S.). This program provides the training required for veterinarians to work effectively in the poultry industry. It is a non-thesis M.S. degree program and clinical residency program. The program typically admits two (up to four) students each June. Students are enrolled in classes in virology, diagnostic bacteriology, histopathology, toxicology, pharmacology, nutrition, and clinical avian medicine.

This major will be terminated as part of the process to combine majors under the M.S. in Comparative Biomedical Sciences. It will become an Area of Emphasis in Avian Medicine (Non-Thesis).

OUTLINE FOR DEACTIVATION OR TERMINATION OF A GRADUATE OR UNDERGRADUATE DEGREE PROGRAM

I. Basic Information

1. Institution: University of Georgia Date: 3/7/2016
2. School/College: College of Veterinary Medicine
3. Department/Division: Population Health
4. Program
Degree: Master of Avian Health and Medicine (M.A.H.M., Online)
Major: Avian Medicine
5. Deactivation or Termination
6. Last date students will be admitted to this program: Semester before Comparative Biomedical Sciences (M.S.) is effective
7. Last date students will graduate from this program: December 2017
8. Abstract of the deactivated or terminated program
This online degree program provides a learning experience for students wishing to maximize their employment opportunities in a global poultry employment market and will ensure the global consumer of poultry meat and eggs an adequate supply of safe/wholesome poultry meat and eggs. Global demand for poultry veterinarians is strong, particularly in developing countries.

This major will be terminated as part of the process to combine majors under the M.S. in Comparative Biomedical Sciences. It will become an Area of Emphasis in Avian Health and Medicine (Non-Thesis, Online).

OUTLINE FOR DEACTIVATION OR TERMINATION OF A GRADUATE OR UNDERGRADUATE DEGREE PROGRAM

I. Basic Information

1. Institution: University of Georgia Date: 3/7/2016
2. School/College: College of Veterinary Medicine
3. Department/Division: Population Health
4. Program
Degree: Master of Food Animal Medicine (M.F.A.M.)
Major: Food Animal Medicine
5. Deactivation or Termination
6. Last date students will be admitted to this program: Semester before Comparative Biomedical Sciences (M.S.) is effective
7. Last date students will graduate from this program: December 2017
8. Abstract of the deactivated or terminated program

The Master of Food Animal Medicine (M.F.A.M.) is a non-thesis master's degree offered by the Department of Population Health, College of Veterinary Medicine, University of Georgia. The goal of the program is to train veterinarians to play a productive role in the modern livestock and dairy industry. Students are instructed in the basic sciences involved in disease diagnostics, prevention and therapy, as well as the practical aspects of animal husbandry and the structure and functioning of the livestock and dairy industry. This is accomplished by involving the students in formal classroom teaching, laboratory teaching, field investigations, departmental seminars, clinical rounds, regional seminars, special projects, and externships.

This major will be terminated as part of the process to combine majors under the M.S. in Comparative Biomedical Sciences. It will become an Area of Emphasis in Food Animal Medicine (Non-Thesis).