



UNIVERSITY OF
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University Council

April 20, 2018

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Dear Colleagues:

The attached proposal from the College of Veterinary Medicine to reactivate the Master of Avian Health and Medicine (M.A.H.M., Online), Master of Avian Medicine (M.A.M.), and Master of Food Animal Medicine (M.F.A.M.) will be an agenda item for the April 27, 2018, Full University Curriculum Committee meeting.

Sincerely,

Alison F. Alexander, Chair
University Curriculum Committee

cc: Provost Pamela S. Whitten
Dr. Rahul Shrivastav

OUTLINE FOR REACTIVATION OR REINSTATEMENT OF A GRADUATE OR UNDERGRADUATE PROGRAM

I. Basic Information

1. Institution: University of Georgia

Date: December 4, 2017

2. School/College: College of Veterinary Medicine

3. Department/Division: Population Health

4. Degree: Master of Avian Health and Medicine (M.A.H.M., Online, Non-Thesis)

Major: Avian Health and Medicine

5. Proposed date: Semester after approval

6. Abstract of the deactivated or terminated program:

The Department of Population Health offers an online non-thesis Master of Avian Health and Medicine (M.A.H.M.) graduate degree. This clinical degree program provides a rich learning experience for working veterinarians wishing to maximize their employment opportunities in a global poultry employment market and will ensure that consumers worldwide have an adequate supply of safe/wholesome poultry meat and eggs. Global demand for poultry veterinarians is strong, particularly in developing countries. The purpose of this degree program is to fulfill the need of the poultry industry worldwide through the development of highly qualified poultry veterinarians which have a firm basis in science and are superior problem solvers, have a working knowledge of the commercial poultry industry, and are proficient in poultry production medicine and management practices. This online clinical degree program 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. At the completion of the program, graduates are qualified to sit for the American College of Poultry Veterinarians board certification exam.

The M.A.H.M. online degree program has followed the clinical-based non-thesis degree format of the Master in Avian Medicine program and is already a recognized brand in the industry. The value of the M.A.H.M. degree is recognized by the industry, and graduates typically obtain a much higher salary than veterinarians working in the poultry industry without that degree, making it extremely important to maintain the program name on their diplomas. The program has become very successful attracting highly qualified applicants each year and the number of students in the program continues to grow. In addition, this past year, all of our graduates passed the ACPV board certification exam on the first try, which speaks to the high standards and quality of the learning experience.

The M.A.H.M. degree program was deactivated because the program content was moved into an area of emphasis under the College of Veterinary Medicine's college-wide major in Comparative Biomedical Sciences (M.S.). The intention of moving the M.A.H.M. program under the major in Comparative Biomedical Sciences (M.S.) was to better utilize college resources. However, because Comparative Biomedical Sciences (M.S.) is a thesis-requiring program, it makes the administration of the clinically-based non-thesis M.A.H.M. within that degree program problematic. Although there is a non-thesis version of the Comparative Biomedical Sciences major, its purpose is drastically different, as it is not designed as a clinical degree program. In addition, the non-thesis version of the Comparative Biomedical Sciences major is open to all students holding an undergraduate degree, whereas the M.A.H.M program is only open to students holding the D.V.M. degree. Therefore, we are requesting that the M.A.H.M. major be reinstated and administered (as it was previously) as a stand-alone clinical-based non-thesis degree program in the Department of Population Health.

The courses and degree requirements remain the same. The faculty teaching in the program remain the same. There are no new financial or physical resources needed since this degree program is currently being offered as an area of emphasis.

II. Conditions for Reactivation or Reinstating Programs

Program reactivation

Reactivated programs are those that have been previously deactivated (temporarily suspended). The conditions that reactivated programs are expected to address satisfactorily in order to be approved and implemented within the University of Georgia are listed below. Please provide sufficient information to confirm each condition.

1. Provide copies of the studies and decisions that resulted in the deactivation of the program.

The Board of Regents identified the M.A.H.M. program as a low-producing program in 2015. In response, the college combined it with the college-wide major in Comparative Biomedical Sciences (M.S.) as an area of emphasis. The major was deactivated at the Board of Regents even though the content was still offered as an area of emphasis.

2. State the reasons for the deactivation of the program.

The program was moved under the college-wide Comparative Biomedical Sciences (M.S.), necessitating deactivation of the stand-alone program. Our understanding at the time, which turned out to be incorrect, was that the M.A.H.M. degree would maintain its identity within the College of Veterinary Medicine's college-wide Comparative Biomedical Sciences program.

3. By a comparison of previous and current conditions, identify the changes in the reasons for the deactivation of the program that now warrant its reactivation.

As stated above, there is an extremely high value put on the M.A.H.M. degree by the industry; therefore, it is important to maintain the program name on the diploma.

In addition, Area of Emphasis in Avian Health and Medicine students are now required to include a thesis as part of their program of study. Neither this thesis option nor the current non-thesis option under Comparative Biomedical Sciences (M.S.) is appropriate for this clinical non-thesis program.

4. Describe the departmental commitment to the reactivation of the program.

The faculty in the Department of Population Health, along with strong support from the College of Veterinary Medicine and the industry, are dedicated to maintaining the extremely high level of excellence already established for this clinical degree program. And as evidenced by one new faculty member hired to teach in the program this past February and a currently active search for another faculty member to teach in the program, the Department of Population Health is committed to growing the program to eliminate any issue of the degree being identified as a low-producing program. In addition, to help with our efforts to keep the courses current, this past year a part-time faculty member was hired to assist with organizing and updating the online content.

5. Provide a list of courses and all other degree requirements for the reactivated program.

See attached.

6. Document the need and the student demand for the reactivated program.

As stated above, the M.A.H.M. degree program remains enormously successful and has strong support from the global poultry industry, which relies on graduates to fill key avian health veterinary positions in its companies. Demand for the program is extremely high. For the fall 2017 semester, there were 13 students enrolled in the M.A.H.M. online program, and we anticipate those numbers to grow. International students as well as students from the U.S. are enrolled in the program.

7. Provide a list of relevant professional and scholarly activities of the faculty for the past five years, including publications and grants.

Faculty currently teaching in this program remain the same. An additional clinical poultry veterinarian was hired in February of this year, and there is an ongoing search for another clinical poultry veterinarian to begin teaching in the program later this year.

8. Identify the financial and physical resources needed for the reactivated program and verify that they will be adequate.

All courses in this program of study are currently being offered, and all faculty currently needed for the program are in place. Upon approval, the college will terminate the Area

of Emphasis in Avian Health and Medicine under Comparative Biomedical Sciences (M.S.) and reinstate the Master of Avian Health and Medicine (M.A.H.M.) with no change to the curriculum.

Master of Avian Health and Medicine Course Requirements

YEAR 1- FALL SEMESTER

POPH 7210E, Breeder Husbandry and Health (3 hours)

POPH 7220E, Incubation Theory, Hatchery Practices, and Poultry Health (3 hours)

POPH 7230E, Poultry Genetics and Nutrition (3 hours)

POPH 7414E, Poultry Practicum I - Poultry Husbandry (3 hours)

YEAR 1- SPRING SEMESTER

POPH 7310E, Poultry Pathology (9 hours)

POPH 7418E, Poultry Practicum II - Management of Disease (3 hours)

After successful completion of Year 1, a Postgraduate Certificate in Avian Health is awarded.

YEAR 2 - FALL SEMESTER

POPH 7320E, Poultry Immunology and Infectious Diseases (9 hours)

POPH 7513E, Poultry Practicum III - Preventative Medicine (3 hours)

YEAR 2 - SPRING SEMESTER

POPH 7330E, Poultry Food Safety Epidemiology (6 hours)

POPH 7420E, Poultry and Public Health Issues Impacting International Trade (3 hours)

POPH 7517E, Poultry Practicum IV- International Trade Issues (3 hours)

YEAR 3 - FALL SEMESTER

POPH 7421E, Economics of Poultry Production (3 hours)

POPH 7422E, Poultry Disease Prevention Programs (3 hours)

POPH 7610E, Poultry Routine Health Surveys (3 hours)

POPH 7612E, Poultry Practicum V- Production Economics and Financial Analysis (3 hours)

YEAR 3 - SPRING SEMESTER

POPH 7615E, Special Problems in Population Health (6 hours)

POPH 7618E, Master's Research Summary (6 hours)

OUTLINE FOR REACTIVATION OR REINSTATEMENT OF A GRADUATE OR UNDERGRADUATE PROGRAM

I. Basic Information

1. **Institution:** University of Georgia

Date: December 4, 2017

2. **School/College:** College of Veterinary Medicine

3. **Department/Division:** Population Health

4. **Degree:** Master of Avian Medicine (M.A.M., Non-Thesis)

Major: Avian Medicine

5. **Proposed date:** Semester after approval

6. Abstract of the deactivated or terminated program

The Department of Population Health offers an 18-month non-thesis Master of Avian Medicine (M.A.M.) graduate degree. This clinical degree program is designed for veterinarians seeking careers in avian medicine in the poultry industry. The purpose of this degree program is to fulfill the need of the poultry industry through the development of highly qualified poultry veterinarians who have a firm basis in science and are superior problem solvers, have a working knowledge of the commercial poultry industry, and are proficient in poultry production medicine and management practices. Coursework in avian virology, avian microbiology, avian pathology, and poultry science is combined with practical field investigations, daily necropsy duties, clinical rounds, laboratory experiences, and externships. At least 54 semester credit hours of coursework, a clinical case study, and the satisfactory completion of a final oral examination are required. At the completion of the program, graduates are qualified to sit for the American College of Poultry Veterinarians board certification exam.

The M.A.M. degree program was deactivated because the program content was moved into an area of emphasis under the College of Veterinary Medicine's college-wide major in Comparative Biomedical Sciences (M.S.) The intention of moving the M.A.M. program under the major in Comparative Biomedical Sciences (M.S.) was to better utilize college resources. However, because Comparative Biomedical Sciences (M.S.) is a thesis-requiring program, it makes the administration of the clinically-based non-thesis M.A.M. within that degree program problematic. Although there is a non-thesis version of the Comparative Biomedical Sciences major, its purpose is drastically different, as it is not designed as a clinical degree program. In addition, the non-thesis version of the Comparative Biomedical Sciences major is open to all students holding an undergraduate degree, whereas the M.A.M. program is only open to students holding the D.V.M. degree. Therefore, we are requesting that the M.A.M. major be reinstated and administered (as it was previously) as a stand-alone clinical-based non-thesis degree program in the Department of Population Health.

The M.A.M. degree dates back to 1969 and is nationally and internationally recognized for excellence in the field of avian medicine. Our first students graduated in 1971, and we currently have 117 M.A.M. alumni, many of whom have powerful leadership roles in the poultry industry. The value of the

M.A.M. degree is recognized by the industry, and graduates typically obtain a much higher salary than veterinarians working in the poultry industry without that degree, making it extremely important to maintain the program name on their diplomas.

The M.A.M. degree program remains enormously successful and in high demand. We consistently get 10 times the number of highly qualified applicants that we can accept each year into the program. In addition, all of our past graduates receiving the M.A.M. degree have had two to five job offers before they even graduated! There simply is no other degree program like the M.A.M., which makes UGA world renowned as *the place* for avian medicine education.

The courses and degree requirements will remain the same. The faculty teaching in the program have been expanded by the addition of one faculty member earlier this year, and we currently have an active search to hire another faculty member to teach in the program. There are no new financial or physical resources needed since this degree program is currently being offered as an area of emphasis under Comparative Biomedical Sciences (M.S.).

II. Conditions for Reactivating or Reinstating Programs

Program reactivation

Reactivated programs are those that have been previously deactivated (temporarily suspended). The conditions that reactivated programs are expected to address satisfactorily in order to be approved and implemented within the University of Georgia are listed below. Please provide sufficient information to confirm each condition.

1. Provide copies of the studies and decisions that resulted in the deactivation of the program.

The Board of Regents identified the M.A.M. program as a low-producing program in 2015. In response, the college combined it with the college-wide major in Comparative Biomedical Sciences (M.S.) as an area of emphasis. The major was deactivated at the Board of Regents even though the content was still offered as an area of emphasis.

2. State the reasons for the deactivation of the program.

The program was moved under the college-wide Comparative Biomedical Sciences (M.S.), necessitating deactivation of the stand-alone program. Our understanding at the time, which turned out to be incorrect, was that the M.A.M. degree would maintain its identity within the College of Veterinary Medicine's college-wide Comparative Biomedical Sciences program.

3. By a comparison of previous and current conditions, identify the changes in the reasons for the deactivation of the program that now warrant its reactivation.

As stated above, there is an extremely high value put on the M.A.M. degree by the industry; therefore, it is important to maintain the program name on the diploma. In addition, Area of Emphasis in Avian Medicine students are now required to include a thesis as part of their program of study. Neither this thesis option nor the current non-thesis option under Comparative Biomedical Sciences (M.S.) is appropriate for this clinical non-thesis program.

4. Describe the departmental commitment to the reactivation of the program.

The faculty in the Department of Population Health, along with strong support from the College of Veterinary Medicine and the industry, are dedicated to maintaining the extremely high level of excellence already established for this clinical degree program. And as evidenced by one new faculty member hired to teach in the program this past February and a currently active search for another faculty member to teach in the program, the Department of Population Health is committed to growing the program to eliminate any issue of the degree being identified as a low-producing program.

5. Provide a list of courses and all other degree requirements for the reactivated program.
See attached.

6. Document the need and the student demand for the reactivated program.

As stated above, the M.A.M. degree program remains enormously successful and has strong support from the poultry industry, which relies on graduates to fill key avian health veterinary positions in its companies. Demand for the program is extremely high. We consistently get 10 times the number of highly qualified applicants that we can accept each year into the program. In addition, there are typically almost as many international applicants as there are applicants from the U.S. The number of students enrolled in the M.A.M. program in the past was limited by the number of faculty members teaching in the program. At the beginning of the fall 2018 semester, we expect to have two new faculty members (one has already been hired and there is currently an open search for a second), which will allow us to significantly expand the program.

7. Provide a list of relevant professional and scholarly activities of the faculty for the past five years, including publications and grants.

Faculty currently teaching in this program remain the same. In addition, one clinical poultry veterinarian was hired in February of this year, and there is an ongoing search for another clinical poultry veterinarian to begin teaching in the program this year.

8. Identify the financial and physical resources needed for the reactivated program and verify that they will be adequate.

All courses in this program of study are currently being offered, and all faculty currently needed for the program are in place. Upon approval, the college will terminate the Area of Emphasis in Avian Medicine under Comparative Biomedical Sciences (M.S.) and reinstate the Master of Avian Medicine (M.A.M.) with no change to the curriculum.

**MASTER OF AVIAN MEDICINE
COURSE REQUIREMENTS**

<u>Summer Semester</u>		<u>Credit Hours</u>
POPH 6050	Avian Diseases	(3 hours)
POPH 6160L	Poultry Disease and Management Interaction	(3 hours)
POPH 8110	Problems in Poultry Diseases and Parasites	(3 hours)

<u>Fall Semester</u>		
POPH 6121	Avian Medicine Clinical Rounds	(1 hour)
POPH 6141	Avian Necropsy	(3 hours)
POPH 8050	Avian Virus Diseases	(3 hours)
POPH 8050L	Avian Virus Diseases Laboratory	(1 hour)
POPH 8150	Avian Medicine Seminar	(1 hour)
POPH 8240L	Histopathology for Poultry Medicine Residents	(3 hours)

<u>Spring Semester</u>		
POPH 6100	Clinical Avian Medicine	(3 hours)
POPH 6121	Avian Medicine Clinical Rounds	(1 hour)
POPH 6141	Avian Necropsy	(3 hours)
POPH 7060	Avian Diagnostic Microbiology	(3 hours)
POPH 7060L	Avian Diagnostic Microbiology Lab	(1 hour)
POPH 8150	Avian Medicine Seminar	(1 hour)

<u>Summer Semester</u>		
POPH 6141	Avian Necropsy	(2 hours)
POPH 6800	Poultry Pharmacology and Toxicology	(3 hours)
POPH 8120	Poultry Nutrition for Masters in Avian Medicine	(1 hour)
POPH 8160	Scientific Manuscript Writing	(3 hours)

<u>Fall Semester</u>		
POPH 6210	Avian Medicine Externship	(12 hours)

Degree Total 54 hours

OUTLINE FOR REACTIVATION OR REINSTATEMENT OF A GRADUATE OR UNDERGRADUATE PROGRAM

I. Basic Information

1. **Institution:** University of Georgia

Date: December 4, 2017

2. **School/College:** College of Veterinary Medicine

3. **Department/Division:** Department of Population Health

4. **Degree:** Master of Food Animal Medicine (M.F.A.M., Non-Thesis)

Major: Food Animal Medicine

5. **Proposed date:** Semester after approval

6. Abstract of the deactivated or terminated program

The Department of Population Health offers a non-thesis Master of Food Animal Medicine (M.F.A.M.) graduate degree. The M.F.A.M. degree program, established in 2007, is an 18-month graduate degree program. It is a clinical non-thesis degree program designed for veterinarians seeking additional training in the production livestock industry. It provides instruction in the investigation and evaluation of livestock disease and production problems associated with beef and/or dairy and swine herds. The M.F.A.M. program involves coursework, clinical work, a summer externship at a livestock production unit or corporate research facility, and the design and completion of an original clinical case study. Coursework includes epidemiology, statistics, infectious diseases, economics, and research study design. A significant portion of the student's time is spent in veterinary clinical work in the areas of beef, dairy, and swine production medicine.

The M.F.A.M. degree program was deactivated because the program content was moved into an area of emphasis under the College of Veterinary Medicine's college-wide major in Comparative Biomedical Sciences (M.S.). The intention of moving the M.F.A.M. program under the major in Comparative Biomedical Sciences (M.S.) was to better utilize college resources. However, because Comparative Biomedical Sciences (M.S.) is a thesis-requiring program, it makes the administration of the clinically-based non-thesis M.F.A.M. within that degree program problematic. Although there is a non-thesis version of the Comparative Biomedical Sciences major, its purpose is drastically different, as it is not designed as a clinical degree program. In addition, the non-thesis version of the Comparative Biomedical Sciences major is open to all students holding an undergraduate degree, whereas the M.F.A.M. program is only open to students holding the D.V.M. degree. Therefore, we are requesting that the M.F.A.M. major be reinstated and administered (as it was previously) as a stand-alone clinical-based non-thesis degree program in the Department of Population Health.

The M.F.A.M. degree program is recognized by the industry as the standard of excellence in production animal medicine, with graduates serving in key positions in the dairy, beef, and swine production medicine industries within Georgia and neighboring states. The value of the M.F.A.M. degree is recognized by the industry, and graduates typically obtain a much higher salary than veterinarians working in a large or mixed animal practice without that degree, making it important to maintain the program name on their diplomas. In addition, we are training production food animal (beef, dairy, and swine) veterinarians who go on to work in rural large animal veterinary practices. This has been identified as an important need in Georgia and across the U.S. by the American Veterinary Medical Association, the American Association of Bovine Practitioners, and the Georgia Cattleman's Association. Highly qualified applicants are identified each year, and it is anticipated that the numbers of students in the program will be expanded to fulfill the identified need.

The courses and degree requirements remain the same. The faculty teaching in the program have been expanded to include two new faculty members hired this year. There are no new financial or physical resources needed since this degree program is currently being offered as an area of emphasis.

II. Conditions for Reactivating or Reinstating Programs

Program Reactivation

Reactivated programs are those that have been previously deactivated (temporarily suspended). The conditions that reactivated programs are expected to address satisfactorily in order to be approved and implemented within the University of Georgia are listed below. Please provide sufficient information to confirm each condition.

1. Provide copies of the studies and decisions that resulted in the deactivation of the program.

The Board of Regents identified the M.F.A.M. program as a low-producing program in 2015. In response, the college combined it with the college-wide major in Comparative Biomedical Sciences (M.S.) as an area of emphasis. The major was deactivated at the Board of Regents even though the content was still offered as an area of emphasis.

2. State the reasons for the deactivation of the program.

The program was moved under the college-wide Comparative Biomedical Sciences (M.S.), necessitating deactivation of the stand-alone program. Our understanding at the time, which turned out to be incorrect, was that the M.F.A.M. degree would maintain its identity within the College of Veterinary Medicine's college-wide Comparative Biomedical Sciences program.

3. By a comparison of previous and current conditions, identify the changes in the reasons for the deactivation of the program that now warrant its reactivation.

As stated above, there is an extremely high value put on the M.F.A.M. degree by the industry; therefore, it is important to maintain the program name on the diploma. In addition, Area of Emphasis in Food Animal Medicine students are now required to include a thesis as part of their program of study. Neither this thesis option nor the current non-thesis option under Comparative Biomedical Sciences (M.S.) is appropriate for this clinical non-thesis program.

4. Describe the departmental commitment to the reactivation of the program.

The faculty in the Department of Population Health, along with strong support from the College of Veterinary Medicine and the industry, are dedicated to maintaining the extremely high level of excellence already established for this clinical degree program. And as evidenced by two new faculty members hired in the department this year, the Department of Population Health is committed to growing the program to eliminate the issue of the degree being identified as a low-producing program.

5. Provide a list of courses and all other degree requirements for the reactivated program.

See attached.

6. Document the need and the student demand for the reactivated program.

As stated above, the American Veterinary Medical Association, the American Association of Bovine Practitioners, and the Georgia Cattleman's Association have identified the need for large animal veterinarians working in rural areas across the USA. The number of qualified DVM graduates for this program remains high.

7. Provide a list of relevant professional and scholarly activities of the faculty for the past five years, including publications and grants.

Faculty teaching in this program remain the same, and two new faculty members, which will help expand the program, have recently been hired.

8. Identify the financial and physical resources needed for the reactivated program and verify that they will be adequate.

All courses in this program of study are currently being offered, and all faculty needed for the program are in place. Upon approval, the college will terminate the Area of Emphasis in Food Animal Medicine under Comparative Biomedical Sciences (M.S.) and reinstate the Master of Food Animal Medicine (M.F.A.M.) with no change to the curriculum.

**MASTER OF FOOD ANIMAL MEDICINE
COURSE REQUIREMENTS**

Semester 1 (Summer)	Credits
POPH 6700, Clinical Food Animal Medicine	3
POPH 8900, Problems in Population Health	3
POPH 8900, Intro to Epidemiology	3
Total	9

Semester 2 (Fall)	
BIOS 7010, Introductory Biostatistics I	3
POPH 6110, Problems in Food Animal Infectious Disease	2
POPH 6120, Food Animal Production Medicine Clinical Rounds	1
POPH 6130, Food Animal Production Medicine Seminar	1
POPH 6160, Special Problems in Food Animal Medicine	3
POPH 6230, Problems in Epidemiology and Statistics	2
Total	12

Semester 3 (Spring)	
BIOS 7020, Introductory Biostatistics II	3
POPH 6120, Food Animal Medicine Clinical Rounds	1
POPH 6130, Food Animal Production Medicine Seminar	1
POPH 6140, Applied Veterinary Economics	1.5
POPH 6160, Special Problems (Clinical Study Design)	3
POPH 6700, Clinical Food Animal Medicine	3
Total	12.5

Semester 4 (Summer)	
POPH 6240, Food Animal Production Medicine Externship	8
POPH 8160, Scientific Manuscript Writing	3
Total	11

Semester 5 (Fall)	
POPH 6120, Food Animal Medicine Clinical Rounds	1
POPH 6130, Food Animal Production Medicine Seminar	1
POPH 6250, Directed Studies in Food Animal Clinical Research	7
POPH 6700, Clinical Food Animal Medicine	3
Total	12
Grand Total	56.5

Approvals on File

Proposal: Reactivation of the Master of Avian Health and Medicine (M.A.H.M., Online), Master of Avian Medicine (M.A.M.), and the Master of Food Animal Medicine (M.F.A.M.)

College: College of Veterinary Medicine

Proposed Effective Term: Semester After Approval

Department:

- Population Health Department Head, Dr. Mark Jackwood, 12/4/2017

School/College:

- College of Veterinary Medicine Dean, Dr. Lisa Nolan, 2/2/2018

Graduate School:

- Graduate School Dean, Dr. Suzanne Barbour, 3/29/2018