



The University of Georgia

University Council
Athens, Georgia 30602

January 11, 2012

UNIVERSITY CURRICULUM COMMITTEE – 2011-2012

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Law – No representative

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Public Health – Dr. Marsha C. Black

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Veterinary Medicine - Dr. K. Paige Carmichael

Graduate School - Dr. Tracie E. Costantino

Undergraduate Student Representative – Mr. Marshall Mosher

Graduate Student Representative – Mr. Zachary Watne

Dear Colleagues:

The attached proposal to offer a Graduate Certificate in Avian Health will be an agenda item for the January 18, 2012, Full University Curriculum Committee meeting.

Sincerely,

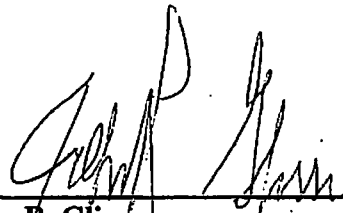
David E. Shipley, Chair
University Curriculum Committee

cc: Provost Jere W. Morehead
Dr. Laura D. Jolly

Certificate in Avian Health

January 10, 2011

The University of Georgia
College of Veterinary Medicine
Department of Population Health
Graduate Certificate
Proposed starting date for program
March, 2012



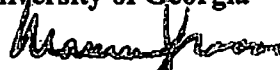
John R. Glisson
Department Head, Population Health
College of Veterinary Medicine
The University of Georgia



Glenn Browning
Associate Dean, Research and Research Training
College of Veterinary Medicine
The University of Melbourne



Sheila Allen
Dean
College of Veterinary Medicine
The University of Georgia



Maureen Grasso
Dean
Graduate School
The University of Georgia

Certificate in Avian Health On-line

A proposal is being made for a certification in Avian Health and Medicine in conjunction with the University of Melbourne, Australia. The certificate will be awarded to those veterinarians who complete 2 semesters of an on-line course in poultry health and husbandry.

Abstract

The certificate will be co-administered by the Department of Population Health in the College of Veterinary Medicine of The University of Georgia and the Faculty of Veterinary Science, University of Melbourne, Australia.

The mission of this program is to provide an educational opportunity for a larger number of veterinarians to specialize in poultry (chicken and turkey) health than would be available at either The University of Georgia or the University of Melbourne. The University of Georgia is already the national leader in educating veterinarians in poultry health and medicine and this program in cooperation with the University of Melbourne would afford The University of Georgia the opportunity to become a preeminent leader in poultry health internationally. The students matriculating in this certificate program will be educated by on-line lectures, assigned readings, on-line discussions, preparation of assignments for assessment and feedback by tutors, and the completing of on-line quizzes and examinations from a multidisciplinary group of faculty from both universities.

The projected starting date for the Certificate in Avian Health and Medicine is March, 2012 with awarding the first certificate in December, 2012. It is projected that there will be a maximum of 15 students accepted per year who move through the program as a cohort. The increase in poultry meat consumption by the world has been increasing at a significant rate; therefore, it is expected this program will continue into the foreseeable future. Since these students will obtain all instructional material, instructor interactions and examination via online, there will be no physical address for instruction other than the location of the faculty at The University of Georgia (953 College Station Road, Athens, GA 30602) and the University of Melbourne in Melbourne, Australia (University of Melbourne, 250 Princes Highway, Werribee, Victoria, Australia 3030). All of the students who enroll in the Master of Avian Health and Medicine (MAHM) will receive the certificate. The University of Melbourne (UoM) is already awarding the certificate with UGA teaching; this will allow UGA to be able to match the UoM with a certificate with both universities.

Criteria for Program

1. The purposes and educational objectives of the program.

a) *Provide knowledge to poultry veterinarians worldwide.* The poultry industry is growing very rapidly in many newly emerging countries like Brazil and China. There is a tremendous demand for highly skilled veterinarians as these industries grow. This program will enable the veterinarians in these countries to remain employed in their local industry and become more knowledgeable and valuable to their employers without physically being away in the U.S. The online delivery allows UGA to provide the students training from a multidisciplinary group of faculty including veterinarians, microbiologists, poultry husbandry specialists and agriculture engineers. *This is not only a unique opportunity for the students to remain employed but also for the faculty of UGA to teach more students in this highly specialized field than would be possible in an on-campus classroom experience.*

These students will be given a very strong foundation in the husbandry aspects of commercial poultry as it impacts on their health, as well as the basics in diagnostic work-up of the major poultry diseases. Poultry veterinary medicine has become very specialized and we know of no college of veterinary medicine that provides this training. The 2 semesters of classes for this certificate will give students a very strong foundation to assist the poultry farmers who are their clients in their home countries. The University of Georgia, as a Land Grant University, has a mission for extension or service to the agricultural community. This certificate readily fulfills this mission of transferring knowledge from the university directly to poultry veterinarians who assist farmers.

b) **Interdisciplinary Program in Agriculture.** This certificate involves instructors from The University of Georgia's College of Agriculture, Department of Poultry Science, and also the Department of Population Health, of the College of Veterinary Medicine. The certificate has already begun at the University of Melbourne with 23 students having already received a certificate from UoM with The University of Georgia, Department of Population Health assisting in teaching. It is the goal of the faculty of the Department of Population Health at The University of Georgia to have the first students awarded the certificate December 2012 with the joint certificate. Over the next 5 years, we anticipate 10-15 students per year receiving their certificate.

2. Need for this Program

a. Assessment of Need.

Globally, the poultry industry continues to be the fastest growing of all of the animal-based agribusinesses, and consumption of chicken meat per head now exceeds 10kg per person per year world-wide. In economically-developed countries, this level of consumption is far higher, e.g. poultry meat intake per year in 2011 will average some 35kg per person in Australia and up to 50kg in the USA. Poultry products are therefore a very significant source of intake of high quality (animal) protein in our diets.

b. Program Initiation Information.

1. March, 2012 full program initiation with UGA.
2. First certificates awarded December, 2012.
3. It is expected 10-15 students to receive certificates annually.

3. Evidence of Demand

a. Demand for Poultry Veterinary Specialists. Meeting the growing demand for poultry meat and eggs will require more veterinarians to have training in other highly specialized fields of veterinary medicine. A survey we performed resulted in an estimate of an additional 1000 poultry veterinarians needed over the next 10 years. Therefore, we anticipate the annual enrollment for this certificate program to be 10-15 students.

b. Minority Students. These students will be from all over the world.. Currently students are enrolled at UoM in the certificate program from Australia, China, Kenya, Portugal, Russia, England, U.S., Canada – both male and female students.

4. Curriculum

a. Admission to the certification program will require application to UGA and will meet the requirements for admission to the UGA Graduate School.

b. All courses in the certificate are already in Course Approval Process Automation and are taught to students enrolled in the on-line Master of Avian Health and Medicine:

Semester 1: Poultry Health, Nutrition, Genetics and Husbandry Practices

POPH* 7210E 3 credits

Course Title: Breeder Husbandry and Health

POPH 7220E 3 credits

Course Title: Hatchery Practices

POPH 7230E 3 credits

Course Title: Poultry Genetics and Nutrition

POPH 7414L 3 credits

Course Title: Poultry Practicum I – Poultry Husbandry

Semester 2: Poultry Disease Pathology

POPH 7310E 9 credits

Course Title: Poultry Pathology

POPH 7418L 3 credits

Course Title: Poultry Practicum II – Management of Disease

*POPH = The department of Population Health, College of Veterinary Medicine, The University of Georgia

c. Since the program is 100% on-line, the lectures are delivered by written notes, PowerPoint presentations with notes, or recorded lecturers' voice and voice discussions from classes held at UGA. Also there are interactive case discussions with the classes and faculty. The laboratory class each semester is performed by the student in their country under supervision of a poultry veterinarian that the student's advisor arranges.

5. Faculty Resources

The roster of the faculty from The University of Georgia and the University of Melbourne can be found in Appendix 1. All of the faculty at The University of Georgia are currently approved to teach in graduate programs (UGA Graduate Faculty). All faculty approved to be Graduate Faculty by The University of Georgia have demonstrated adequate ability for scholarship and research capability to properly mentor graduate students. The faculty at the University of Melbourne who will teach in the program will be approved as adjunct faculty at The University of Georgia.

6. Library and Learning Resources

All of the required readings for this course will be provided online to the students enrolled in the course. Permission/copyright release has or will be obtained for all materials.

The University of Georgia and the University of Melbourne both have very impressive access to electronic resources, including full text journal articles. No new library support will be needed to implement the program.

All students are given an on-line autotutorial at the start of the first semester on use of the library facilities at their home institution. Additionally for The University of Georgia, there is the Galileo program (<http://andromeda.galib.uga.edu/scholar/uga/subjects/>) and at the University of Melbourne, it is called Student Portal. When a student enrolls, they are given access to the "Student Portal", a server which is a repository for student resources. Students link to the course notes from the Student Portal. The library websites are also accessed through the Portal (<https://sso.portal.unimelb.edu.au/UnimelbSSO/login.jsp?>) and Help Documentation exists to explain how to access the library catalogue and the online resources such as journals. In addition, we supply basic help documentation to the students at the start of their course on how to access the library and do journal searches. These tutorial programs are available to the students throughout the program at any time. Also, the on-line access to the libraries for both universities have open access to the students 24 hours a day. Additionally, since the students are enrolled at both institutions, they have access to both library systems.

The electronic resources they will need to access most frequently for this specific discipline will be the journals *Avian Diseases* and *Avian Pathology*, *The Poultry Science Journal*, *The Applied Poultry Science Journal*, and the *World Poultry Science Journal*. All of these journals are available on-line through both UGA and UoM libraries.

7. Physical Resources

There will be no need for any additional bricks and mortar facilities since this course is 100% on-line. The University of Melbourne will provide necessary hardware and electronic (software) program delivery system through a proprietary program called Quokka.

8. Expenses for Program

The faculty cost for the certificate is already budgeted as below for the Master of Avian Health and Medicine (MAHM). Therefore, there will be no additional cost to the department. Also, the faculty EFT for teaching is budgeted as for the masters.

<u>Expense Budget</u>	<u>First Year</u>	<u>Second Year</u>	<u>Third Year</u>
(1) Personnel*	\$20,000	\$20,000	\$20,000
(2) Operating Cost	\$5,000	\$5,000	\$5,000
(3) Capital Outlays	0	0	0
(4) Library	0	0	0
(5) Total	\$25,000	\$25,000	\$25,000
* part-time contract faculty member			

Income:

The program is fully supported by the tuition dollars of \$6,000/semester. One half of this will go to the UoM, therefore, \$3,000/student x 2 semesters is annual \$6,000 to UGA. We estimate 10-15 students/year once the program is at maximum student level.

9. Financial Support Needed to Initiate Program

None – UGA is already offering these courses.

10. Administration of Program

The program will be administered through the UGA Graduate School.

In addition, a **Management Committee** has been established with 2 representatives from The University of Georgia and 2 from the University of Melbourne. In addition to these 4 representatives, a chair has been appointed to rotate between the universities on a biennial basis. The Management Committee will select each year's new certificate class from the approved applicants, review all ongoing issues concerning administration of the program, such as students records, fees, changes to the curriculum and student grievances.

The administrative oversight responsibility or any student grievances will fall first upon the course instructor, then the Management Committee, then to the Dean of the Graduate School at The University of Georgia and also the Dean of the College of Veterinary Medicine at the University of Melbourne. The quality of the program will also be assessed by an exit questionnaire, a 5 year post certificate questionnaire.

Appendix 1. Faculty Roster

Roster of Instructional Staff

Name of Institution(s): The University of Georgia and the University of Melbourne

Name of Academic Area, Discipline, Department/School: Charles L. Hofacre, Dept. of Population Health (UGA)

1	2	3		4
Name	Courses Taught	Academic Degrees Earned	Institution Highest Degree Attained	Other Qualifications
<i>The University of Georgia</i>				
John R. Glisson	POPH 7418L, 7414L	DVM, MAM, PhD	The University of Georgia	Clinical avian medicine, mycoplasmosis and bacteriology
Charles L. Hofacre	POPH 7210E, 72220E, 7414L	DVM, MAM, PhD	The University of Georgia	Clinical avian medicine, mycoplasmosis and bacteriology
Steve Collett	POPH 7210E, 7220E	DVM, MMedVet Poultry	University of Pretoria, South Africa	Clinical avian medicine
Guillermo Zavala	POPH 7230E, 7418L	DVM, MAM, PhD	The University of Georgia	Clinical avian medicine, Avian virology
Karen Burns Grogan	POPH 7210E	DVM, MAM	The University of Georgia	Clinical avian medicine
<i>University of Melbourne</i>				
Amir Noormohammadi	POPH 7310E	DVM, PhD	The University of Melbourne, Australia	Clinical avian medicine, pathology, microbiology
Neil Harwood Christensen	POPH 7210E, 7220E	BVSc	Massey University	Clinical avian medicine
Juergen Lohr	POPH 7310E	BVSc	University of Munich, Germany	Pathology