



University Council

October 12, 2018

UNIVERSITY CURRICULUM COMMITTEE – 2018-2019

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Trenton Schirmer (Sciences)

Business – Richard Gooner

Ecology – Sonia Altizer

Education – Morgan Faison

Engineering – E.W. Tollner

Environment and Design – Brad Davis

Family and Consumer Sciences – Patricia Hunt-Hurst

Forestry and Natural Resources – Joseph Dahlen

Journalism and Mass Communication – James Hamilton

Law – Randy Beck

Pharmacy – Robin Southwood

Public and International Affairs – Jeffrey Berejikian

Public Health – Anne Marie Zimeri

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Veterinary Medicine – Susan Sanchez

Graduate School – Amy E. Medlock

Ex-Officio – Interim Provost Libby V. Morris

Undergraduate Student Representative – Ali Elyaman

Graduate Student Representative – TBD

Dear Colleagues:

The attached proposal from the College of Veterinary Medicine for the following new areas of emphasis under the Graduate Certificate in Clinical Residency will be an agenda item for the October 19, 2018, Full University Curriculum Committee meeting:

Area of Emphasis in Cardiology

Area of Emphasis in Dermatology

Area of Emphasis in Laboratory Animal Medicine

Area of Emphasis in Large Animal Surgery

Area of Emphasis in Oncology

Area of Emphasis in Ophthalmology

Area of Emphasis in Small Animal Internal Medicine

Area of Emphasis in Small Animal Surgery

Area of Emphasis in Veterinary Neurology and Neurosurgery
Area of Emphasis in Veterinary Radiology
Area of Emphasis in Zoological Medicine

Sincerely,

A handwritten signature in black ink, appearing to be 'John Maerz', written in a cursive style.

John Maerz, Chair
University Curriculum Committee

cc: Interim Provost Libby Morris
Dr. Rahul Shrivastav

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Cardiology
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in Cardiology under the Certificate in Clinical Residency has been developed to train the next generation of veterinary cardiologists. This residency program emphasizes training in all aspects of cardiology, including medical cardiology and interventional procedures. Graduates of this program will understand the basic scientific principles and clinical practices related to veterinary cardiology. The objective is to attract and train highly qualified veterinarians in the field of veterinary cardiology.

Required Courses (72 hours):

Fall Semester		
1ST YEAR RESIDENT and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2

SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Spring Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Summer Semester

1ST YEAR RESIDENT

and Specialty Interns

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

2ND YEAR RESIDENT

and 1ST YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	
Extended Session		15
SAMS 7650	Seminar in Small Animal Medicine and Surgery	
Extended Session		2
SAMS 8010	Seminar in Medicine and Surgery	
Extended Session		1

3RD YEAR RESIDENT

and 2ND YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	
Extended Session		15
SAMS 7650	Seminar in Small Animal Medicine and Surgery	
Extended Session		2
SAMS 8010	Seminar in Medicine and Surgery	
Extended Session		1

4TH YEAR RESIDENT

and 3RD YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	
Extended Session		15
SAMS 7650	Seminar in Small Animal Medicine and Surgery	
Extended Session		2
SAMS 8010	Seminar in Medicine and Surgery	
Extended Session		1

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Dermatology
6. **Proposed starting date:** Spring 2019

7. Area of Emphasis Description:

The Area of Emphasis in Dermatology under the Professional Certificate in Clinical Residency was developed to train the next generation of veterinary dermatologists. The program emphasizes training in all aspects of dermatology, including diagnosis and management of allergic, autoimmune, and infectious diseases, among others. Graduates of these programs will understand the basic scientific principles and clinical practices related to veterinary dermatology. The objective is to attract and train a cadre of highly qualified veterinarians in the field of veterinary dermatology.

Required Courses (72 hours):

Fall Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14

SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Spring Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary	1

Summer Semester

1ST YEAR RESIDENT

and Specialty Interns

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

2ND YEAR RESIDENT

and 1ST YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

3RD YEAR RESIDENT

and 2ND YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

4TH YEAR RESIDENT

and 3RD YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Population Health
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Laboratory Animal Medicine
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The 2-year program's broad objective is to prepare participants for successful careers as laboratory animal medicine and science specialists in academia, industry, or government.

Specifically, the training program objectives are to prepare participants to successfully:

- 1) Prevent, control, diagnose and treat diseases of laboratory animals.
- 2) Manage laboratory animal resources, including conventional, barrier, agricultural, and high-level containment facilities.
- 3) Provide expertise on the fundamentals of animal experimentation to researchers.
- 4) Provide expertise on the regulations framing laboratory animal research to an Institutional Animal Care and Use Committee.
- 5) Conduct independent and/or collaborative research.
- 6) Acquire the base of information and credentials required to become certified by the American College of Laboratory Animal Medicine.

Didactic Component:

The didactic component of training consists of core lecture courses, supplemented by other courses and seminars to provide trainees with a broad professional background. Core courses are administered via the College of Veterinary Medicine and many are shared with Emory University.

Trainees may take electives as appropriate. Some possible electives include viral zoonosis, genetics, and immunology. Each trainee has the opportunity to create an individualized program through the selection of elective courses.

Other contact hours are provided in seminars. Seminars may be directed by URAR veterinary faculty; monthly seminars for regional laboratory animal veterinarians held at Emory/Yerkes; weekly departmental seminars at the College of Veterinary medicine, such as Population Health, Infectious Disease, and Physiology and Pharmacology seminars; or appropriate seminars organized by another UGA department.

Residents are required to enroll in a total of 18 credits each Fall/Spring semesters, and 12 credits during the summers. Required courses are listed in the next section.

Practical Rotations:

Laboratory Animal Medicine Practicum

Laboratory animal medicine rotations reinforce didactic study and provide clinical experience. Participation provides experiences in preventative medicine, quarantine and stabilization, interpretation of clinical laboratory data, disease diagnosis, therapy and control of animal diseases, technical manipulation of research animals, experimental and clinical surgery, pre-operative and post-operative care.

Clinical cases are derived from a broad array of species used in biomedical research. Species which are housed at UGA almost constantly are rodents (mice, rats, gerbils, hamsters, cotton rats, guinea pigs), rabbits, cats, dogs, swine, ruminants, fish, and a few nonhuman primates. Other species used within the past few years have included iguanas, ferrets, birds, and frogs (*X. laevis*).

Laboratory Animal medicine rotations are included as part of the curriculum in POPH 7030 and POPH 7040.

Laboratory Animal Pathology Rotations

Under the guidance of the veterinary staff, trainees are responsible for the evaluations spontaneous and experimentally induced pathologic conditions of laboratory animals. Rotations through the diagnostic laboratories provide experiences in diagnostic testing, necropsy examination, selection and processing of tissues specimens, interpretation of clinical and pathologic data, recognition of gross and histologic lesions characteristic of the major diseases of laboratory animals, and determination of significance to the animal resources and research programs.

Cases are selected from among colonies, sentinel animals from colony rooms, and from among medical cases.

The supervising faculty includes Drs. Harvey, Alworth, Zitzow, and King.

Laboratory Animal Pathology Rotations are included as part of the curriculum in VPAT 8050 and POPH 7030 and 7040.

Required Courses (96 hours):BIOS 7010, Introductory Biostatistics I (3 hours)GRSC 8550, Responsible Conduct of Research (1 hour)POPH 7030, Laboratory Animal Medicine Residency I (32 hours)POPH 7040, Laboratory Animal Medicine Residency I (31 hours)POPH 7070, Special Topics in Laboratory (2 hours)POPH 7110, The Diseases of Laboratory Animals I (4 hours)POPH 7120, The Diseases of Laboratory Animals II (4 hours)POPH 8400, Management of Research Animal Programs (3 hours)POPH 8900, Problems in Population Health (1 hour)VPAT 8050, Problems in Veterinary Pathology (12 hours)VPAT 8320, Pathology of Laboratory Animals (3 hours)**YEAR 1**

Course Prefix and Number	Course Title	# Credits	Instructor	Grading
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Summer Even Years

POPH 7030	Laboratory Animal Medicine Residency I	10	Dr. Stephen Harvey	S/U
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tomas Nagy	S/U
VPAT 8320	Pathology of Laboratory Animals	3	Dr. Tomas Nagy	A-F

Summer Odd Years

POPH 7030	Laboratory Animal Medicine Residency I	10	Dr. Stephen Harvey	S/U
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	A-F

Fall Even Years

POPH 7030	Laboratory Animal Medicine Residency I	11.5	Dr. Stephen Harvey	S/U
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POPH 7070	Special Topics in Laboratory Animal Medicine – Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 7110	The Diseases of Laboratory Animals I	4	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U

Fall Odd Years

POPH 7030	Laboratory Animal Medicine Residency I	10.5	Dr. Stephen Harvey	S/U
POPH 7070	Special Topics in Laboratory Animal Medicine – Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 7120	The Diseases of Laboratory Animals II	4	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U
GRSC 8550	Responsible Conduct of Research	1	TBD	A-F

Spring Even Years

BIOS 7010	Introductory Biostatistics I	3	TBD	A-F
POPH 7030	Laboratory Animal Medicine Residency I	11.5	Dr. Stephen Harvey	S/U
POPH 7070	Special Topics in Laboratory Animal Medicine – Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 8900	Problems in Population Health	1	Dr. Lois Zitzow	A-F

VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U
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Spring Odd Years

POPH 7030	Laboratory Animal Medicine Residency I	11.5	Dr. Stephen Harvey	S/U
POPH 7070	Special Topics in Laboratory Animal Medicine – Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 8400	Management of Research Animal Programs	3	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U

YEAR 2

Course Prefix and Number	Course Title	# Credits	Instructor	Grading
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Summer Even Years

POPH 7040	Laboratory Animal Medicine Residency I	7	Dr. Stephen Harvey	S/U
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tomas Nagy	S/U
VPAT 8320	Pathology of Laboratory Animals	3	Dr. Tomas Nagy	A-F

Summer Odd Years

POPH 7040	Laboratory Animal Medicine Residency I	10	Dr. Stephen Harvey	S/U
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	A-F

Fall Even Years

POPH 7040	Laboratory Animal Medicine Residency I	11.15	Dr. Stephen Harvey	S/U
POPH 7070	Special Topics in Laboratory Animal Medicine – Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 7110	The Diseases of Laboratory Animals I	4	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U

Fall Odd Years

POPH 7040	Laboratory Animal Medicine Residency I	10.5	Dr. Steven Harvey	S/U
POPH 7070	Special Topics in Laboratory Animal Medicine – Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 7120	The Diseases of Laboratory Animals II	4	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U
GRSC 8550	Responsible Conduct of Research	1	TBD	A-F

Spring Even Years

BIOS 7010	Introductory Biostatistics I	3	TBD	A-F
POPH 7040	Laboratory Animal Medicine Residency I	11.5	Dr. Stephen Harvey	S/U
POPH 7070	Special Topics in Laboratory	0.5	Dr. Leanne	S/U

	Animal Medicine - Current Research Review		Alworth	
POPH 8900	Problems in Population Health	1	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U

Spring Odd Years

POPH 7040	Laboratory Animal Medicine Residency I	12.5	Dr. Stephen Harvey	S/U
POPH 7070	Special Topics in Laboratory Animal Medicine - Current Research Review	0.5	Dr. Leanne Alworth	S/U
POPH 8400	Management of Research Animal Programs	3	Dr. Lois Zitzow	A-F
VPAT 8050	Problems in Veterinary Pathology	2	Dr. Tamas Nagy	S/U

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Large Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Large Animal Surgery
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in Large Animal Surgery was developed for advanced training of veterinarians in large animal surgery. The program adheres to the guidelines of the American College of Veterinary Surgeons for large animal surgery residencies. Graduates of this program are expected to complete the residency fulfilling the requirements to be eligible to take the board examination and become diplomats of the American College of Veterinary Surgeons. This is a clinical program and students will be enrolled in residency courses. Students have the option to enroll in additional didactic courses dependent upon their interests and availability.

Required Courses (72 hours)

Example Course listing:

Fall Semester			
Residency Year	Course #	Hours Taken	Course Title
Year 1	LAMS 7610	17	Large Animal Residency I
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 2	LAMS 7620	17	Large Animal Residency II
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 3	LAMS 7630	17	Large Animal Residency III
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 4	LAMS 7640	17	Large Animal Residency IV

	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
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Spring Semester			
Residency Year	Course #	Hours Taken	Course Title
Year 1	LAMS 7610	17	Large Animal Residency I
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 2	LAMS 7620	17	Large Animal Residency II
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 3	LAMS 7630	17	Large Animal Residency III
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 4	LAMS 7640	17	Large Animal Residency IV
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery

Summer Semester			
Residency Year	Course #	Hours Taken	Course Title
Year 1	LAMS 7610	17	Large Animal Residency I
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 2	LAMS 7620	17	Large Animal Residency II
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 3	LAMS 7630	17	Large Animal Residency III
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery
Year 4	LAMS 7640	17	Large Animal Residency IV
	LAMS 7650	1	Seminar in Large Animal Medicine and Surgery

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Oncology
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in Oncology was developed to train the next generation of veterinary oncologists. The program emphasizes training in the diagnosis and treatment of cancer in veterinary patients as part of the Oncology Service in the Veterinary Teaching Hospital. Instruction in tumor biology, immunology, mechanisms of action therapies, and clinical trial design is incorporated through required coursework. In addition, graduate students in this emphasis are required to design, complete, and publish an original study and participate in ongoing clinical trials of new therapies. Graduates of this program will understand basic scientific and clinical principles related to veterinary oncology and be able to apply them in specialty oncology clinical practice and other settings (for example, research or industry). The objective is to attract and train a cadre of highly qualified graduate students in veterinary oncology.

Required Courses (72 hours):

Fall Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		

and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Spring Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Summer Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Ophthalmology
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in Ophthalmology was developed to train the next generation of veterinary ophthalmologists. The program emphasizes training in all aspects of ophthalmology, including diagnosis and management of both surgical and medical ophthalmic diseases. Graduates of these programs will understand the basic scientific principles and clinical practices related to veterinary ophthalmology. The objective is to attract and train a cadre of highly qualified veterinarians in the field of veterinary ophthalmology.

Required Courses (72 hours):

Fall Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Spring Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Spring Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency I	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Small Animal Internal Medicine
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in Small Animal Internal Medicine (SAIM) was developed to train the next generation of veterinary and biomedical scientists and Small Animal internists. The program emphasizes training in SAIM and biomedical science to prepare students to make contributions to modern veterinary science and medicine. Graduates of these programs will understand the basic scientific principles related to SAIM and biomedical research. The objective is to attract and train a cadre of highly qualified graduate students in the veterinary and biomedical sciences.

Required Courses (72 hours):

Fall Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		

and 2ND YEAR RESIDENT (who did UGA specialty internship)			
<u>Course</u>	<u>Course Name</u>		<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III		14
SAMS 7650	Seminar in Small Animal Medicine and Surgery		2
SAMS 8010	Seminar in Medicine and Surgery		1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine		1
4TH YEAR RESIDENT			
and 3RD YEAR RESIDENT (who did UGA specialty internship)			
<u>Course</u>	<u>Call Number</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	26889	Small Animal Residency IV	14
SAMS 7650	19204	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	19205	Seminar in Medicine and Surgery	1
SAMS 8020	19198	Advanced Seminars in Clinical Veterinary Medicine	1
Spring Semester			
1ST YEAR RESIDENT			
and Specialty Interns			
<u>Course</u>	<u>Call Number</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	36076	Small Animal Residency I	14
SAMS 7650	36088	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	36095	Seminar in Medicine and Surgery	1
SAMS 8020	36099	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT			
and 1ST YEAR RESIDENT (who did UGA specialty internship)			
<u>Course</u>	<u>Call Number</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	36077	Small Animal Residency II	14
SAMS 7650	36088	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	36095	Seminar in Medicine and Surgery	1
SAMS 8020	36099	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT			
and 2ND YEAR RESIDENT (who did UGA specialty internship)			
<u>Course</u>	<u>Course Name</u>		<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III		14

SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
Summer Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 5610/7610	Small Animal Residency I	15
Extended Session		
SAMS 5650/7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 5620/7620	Small Animal Residency II	15
Extended Session		
SAMS 5650/7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 5630/7630	Small Animal Residency III	15

Extended Session		
SAMS 5650/7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 5640/7640	Small Animal Residency IV	15
Extended Session		
SAMS 5650/7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Small Animal Surgery
6. **Proposed starting date:** Spring 2019

7. Area of Emphasis Description:

The Area of Emphasis in Small Animal Surgery was developed to train the next generation of small animal veterinary surgeons. The program emphasizes training in all aspects of small animal surgery, including orthopedic, neurologic, and soft tissue surgery. Graduates of these programs will understand the basic scientific principles and clinical practices related to veterinary surgery. The objective is to attract and train a cadre of highly qualified veterinarians in the field of small animal veterinary surgery.

Required Courses (72 hours):

Fall Semester		
1ST YEAR RESIDENT and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2

SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Spring Semester		
1ST YEAR RESIDENT		
and Specialty Interns		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
2ND YEAR RESIDENT		
and 1ST YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
3RD YEAR RESIDENT		
and 2ND YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1
4TH YEAR RESIDENT		
and 3RD YEAR RESIDENT (who did UGA specialty internship)		
<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	14
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
SAMS 8010	Seminar in Medicine and Surgery	1
SAMS 8020	Advanced Seminars in Clinical Veterinary Medicine	1

Summer Semester

1ST YEAR RESIDENT

and Specialty Interns

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7610	Small Animal Residency I	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

2ND YEAR RESIDENT

and 1ST YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7620	Small Animal Residency II	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

3RD YEAR RESIDENT

and 2ND YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7630	Small Animal Residency III	15
Extended Session		
SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

4TH YEAR RESIDENT

and 3RD YEAR RESIDENT (who did UGA specialty internship)

<u>Course</u>	<u>Course Name</u>	<u>Credit Hrs</u>
SAMS 7640	Small Animal Residency IV	15
Extended Session		

SAMS 7650	Seminar in Small Animal Medicine and Surgery	2
Extended Session		
SAMS 8010	Seminar in Medicine and Surgery	1
Extended Session		

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine and Surgery
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Veterinary Neurology and Neurosurgery
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in veterinary neurology and neurosurgery was developed to train the next generation of veterinary neurologists. The program emphasizes training in veterinary neurology and veterinary neurosurgery to prepare students to make contributions to modern veterinary neurology. The clinical residency program is structured in such a way as to meet the current certification manual guidelines for the American College of Veterinary Internal Medicine (ACVIM) approved residency training program (RTP) in neurology.

Based on the current certification manual, the training program provides students with the following objectives:

A Neurology RTP will provide intensive training in clinical neurology, internal medicine, neurosurgery, radiology, animal behavior, clinical pathology, emergency medicine, critical care, anesthesiology, anatomy, pathology, and physiology.

In addition, the Neurology RTP will ensure that resident will have obtained the following upon completion of their training:

- Skills to care for patients with neurological diseases
- Broad working knowledge of anatomy, physiology, and pathology for all body systems
- In-depth knowledge of the effects of neurological disorders on the patient
- Proficiency in clinical neurology by exposure to a sufficient number and variety of cases representing all facets of neurology in a hospital equipped for the practice of veterinary neurology
- Exposure to basic science and clinical research
- Training in internal medicine to ensure that resident develop an understanding of common medical problems and are competent in their clinical management
- Understanding of the fundamentals and applications of diagnostic methods including, but not limited to, hematology, clinical pathology, cytology, radiography, myelography, computerized tomography (CT), magnetic resonance imaging (MRI),

- electrodiagnostic techniques (e.g., electromyography, motor and sensory conduction studies, spinal cord and brain evoked potentials, late waves and repetitive nerve stimulation, electroencephalography (EEG)), immunology, gross and microscopic neuropathology, muscle and nerve biopsy techniques, immunopathology, and gross and surgical pathology as related to the nervous system
- In-depth knowledge of treatment methods including pharmacotherapy, chemotherapy, radiation therapy, immunotherapy, surgery, and awareness of important investigational methods of therapy
 - Awareness and understanding of the importance of neurological diseases in food and fiber animal and common laboratory species, in addition to companion animals (dogs, cats, and horses)
 - Exposure to clinical trial design and implementation

Certificate requirements:

Graduate must meet all the requirements set forth by the ACVIM. Graduates should refer to current certificate manual published at www.acvim.org.

Graduate must demonstrate clinical proficiency during their clinical rotations on the neurology service as well as during rotations on other services within the hospital at the Veterinary Teaching Hospital.

A minimum of 50 hours of training in the specific areas of neuroradiology, clinical pathology, neuropathology, neurosurgery, and journal club.

Graduates have a publication requirement. Graduates must author and publish a research article in a peer-reviewed journal. The publication should come from research conducted at the University of Georgia during enrollment in the veterinary neurology training program.

Required Courses:

Total hours required: 162 (18 per semester)

SAMS 7610, Small Animal Residency I (5-15 hours)

SAMS 7620, Small Animal Residency II (5-15 hours)

SAMS 7630, Small Animal Residency III (5-15 hours)

SAMS 8010, Seminar in Medicine and Surgery (1-4 hours)

SAMS 8020, Advanced Seminars in Clinical Veterinary Medicine (1 hour; repeatable up to 10 hours credit)

SAMS 8030, Neurosurgery (1 hour; repeatable up to 15 credit hours)

SAMS(VPAT) 8040, Neuropathology (1 hour; repeatable up to 10 hours credit)

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Veterinary Biosciences & Diagnostic Imaging
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Veterinary Radiology
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The University of Georgia Radiology Residency Program is a 3-year American College of Veterinary Radiology (ACVR) accredited residency program (<http://www.acvr.org/page/radiology-residency-program-essentials>) that provides training and experience to qualify the individual to take the certification examination of the ACVR.

Training is supervised by 3 full-time faculty members. The program includes formal course work (weekly didactic training for board objectives review), daily participation in radiology service to the Veterinary Teaching Hospital, known case conference, and student teaching.

Formal course work (supervised by ACVR diplomats) will include these topics: 1) Physics of diagnostic radiology; 2) Special procedures; 3) Nuclear medicine (as well as UTenn Nuclear Medicine short course); 4) Radiation biology, radiation oncology, and radiation protection; 5) Ultrasound, magnetic resonance imaging, and CT; and 6) Pathophysiology. Mock examinations follow each objectives section.

The resident is expected to complete a research project or clinical study under the guidance of a faculty member during the residency program. The results of this work will be presented at an annual ACVR meeting, as well as submitted in manuscript form to a refereed journal. Continuation in the program from year-to-year is contingent on satisfactory performance.

UGA radiology consists of three small animal radiograph suites and one large animal suite supported with digital radiography (Cannon DR), an additional small animal radiograph suite with flat-panel fluoroscopy, a dedicated interventional radiology suite with an OEC 9800 c-arm, two small animal ultrasonography suites (Toshiba Xario, GE S8), a large animal ultrasonography suite, Siemens Somatom Sensation 64 slice CT, and nuclear scintigraphy. MRI, CT, nuclear scintigraphy, and IR are accessible to small and large animals. Radiology services also support a linear accelerator (Trilogy) and I-131 treatment facility. All diagnostic imaging studies are performed and interpreted under the supervision of ACVR diplomats who support and guide the resident assigned to each respective modality. UGA residents are exposed to all imaging modalities throughout the 3-year program (weekly rotating schedule).

Required Courses (162 hours)

Year 1 - VBDI 7610, Radiology Resident I (54 hours)

Year 2 - VBDI 7620, Radiology Resident II (54 hours)

Year 3 - VBDI 7630, Radiology Resident II (54 hours)

PROPOSAL FOR AREA OF EMPHASIS

1. **School/College:** College of Veterinary Medicine
2. **Department/Division:** Small Animal Medicine
3. **Program:** Graduate Certificate in Clinical Residency
4. **Certificate Requirements:** See below
5. **Area of Emphasis Title:** Zoological Medicine
6. **Proposed starting date:** Spring 2019
7. **Area of Emphasis Description:**

The Area of Emphasis in Zoological Medicine was developed to train the next generation of specialists in zoological medicine (including exotic pets, zoo, aquatics, and wildlife). The program emphasizes training in zoological medicine at the University of Georgia Veterinary Teaching Hospital, Zoo Atlanta, and the Georgia Aquarium. Graduates of these programs will have received a broad foundation in zoological medicine including clinical practice, research, and teaching/instruction. The objective is to attract and train a cadre of highly qualified graduate students into the field of zoological medicine.

A 3 year residency with an Area of Emphasis in Zoological Medicine as well as a 4 year residency combined with a Master's in Comparative Biomedical Sciences with an Area of Emphasis in Zoological Medicine are available.

Total hours for 3 year Residency program: 162

Total hours for 4 year combined Residency/Masters: 216

Required Courses for 3 year residency program

SAMS 7810, Zoological Medicine Residency I (5-15 hours, repeated every semester for 1st year) (NEW)

SAMS 7820, Zoological Medicine Residency II (5-15 hours repeated every semester for 2nd year) (NEW)

SAMS 7830, Zoological Medicine Residency III (5-15 hours repeated every semester for 3rd year) (NEW)

SAMS 8010, Seminar in Medicine and Surgery (3 hours, repeated yearly for 9 hours for the 3 year program or 12 hours total)

Required courses for 4 year residency program with Master's

SAMS 7810, Zoological Medicine Residency I (5-15 hours, repeated every semester for 1st and 2nd years) (NEW)

SAMS 7820, Zoological Medicine Residency II (5-15 hours repeated every semester for 3rd year) (NEW)

SAMS 7830, Zoological Medicine Residency III (5-15 hours repeated every semester for 4th year) (NEW)

SAMS 8010, Seminar in Medicine and Surgery (2 hours, repeated every year)

VETM 7000, (Master's Research) (6 hours) Completed during Year 1 & Year 2 (of 4 year program)

VETM 7300, (Master's Thesis) (3 hours) Completed during Year 1 & Year 2 (of 4 year program)

Students may also take additional courses (up to 3 credit hours in total) at 7000 level or above from other CVM departments, with major professor approval.

Approvals on File

Proposal: Offer the following new areas of emphasis under the Graduate Certificate in Clinical Residency:

- Area of Emphasis in Cardiology
- Area of Emphasis in Dermatology
- Area of Emphasis in Laboratory Animal Medicine
- Area of Emphasis in Large Animal Surgery
- Area of Emphasis in Oncology
- Area of Emphasis in Ophthalmology
- Area of Emphasis in Small Animal Internal Medicine
- Area of Emphasis in Small Animal Surgery
- Area of Emphasis in Veterinary Neurology and Neurosurgery
- Area of Emphasis in Veterinary Radiology
- Area of Emphasis in Zoological Medicine

College: College of Veterinary Medicine

Proposed Effective Term: Spring 2019

School/College:

- College of Veterinary Medicine Associate Dean, Dr. Harry Dickerson, 8/28/2018

Graduate School:

- Graduate School Dean, Dr. Suzanne Barbour, 9/7/2018