DEGREE MODIFICATION OUTLINE FORM

Use the chart below to indicate your new degree outline. If any General Education (Core) course is acceptable in the category, please indicate by saying "any Gen Ed course". There is no need to type in the whole list. All deleted courses and information should be shown in *italics* and all new courses and information in **bold**. Include the course prefix, number, and title.

CURRENT Degree Description	PROPOSED Degree Description
Degree: Doctor of Veterinary Medicine (DVM) Major: Concentration:	Degree: Doctor of Veterinary Medicine (DVM) Major: Concentration:
The professional curriculum is divided into two phases- Phase I (DVM 1 and DVM 2 years) and Phase 2, (DVM 3 and DVM 4 years). Phase 1 is conducted in a lecture/lab format. Phase 2 is conducted in a clinical and elective format. During Phase 2, students participate in *fourteen* required rotations. In these rotations students actively participate in the clinical diagnosis and management of patients admitted to the Animal Health Center and affiliated sites. During the final year (DVM4) students complete 6 core courses (totaling 19 credits) and will fulfill the remainder of their required 46 credits with electives. The options for these electives include: elective clinical rotations, externships experiences, small group or discussion based courses and directed individual study (DIS) opportunities. In essence, each student, working closely with a faculty advisor, designs a schedule which most uniquely meets the student's needs and career preferences. Conducted in an experiential learning mode, the clinical rotations and many of the electives continue to make the student partly responsible for their own education. The clinical cases or elective courses provide the environment for continued student growth and development.	The professional curriculum is divided into two phases- Phase I (DVM 1 and DVM 2 years) and Phase 2, (DVM 3 and DVM 4 years). Phase 1 is conducted in a lecture/lab format. Phase 2 is conducted in a clinical and elective format. During Phase 2, students participate in **nineteen** required rotations. In these rotations students actively participate in the clinical diagnosis and management of patients admitted to the Animal Health Center and affiliated sites. During the final year (DVM4) students complete 10 core courses (totaling 33 credits) and will fulfill the remainder of their required 46 credits with electives. The options fort these electives include: elective clinical rotations, externships experiences, small group or discussion based courses and directed individual study (DIS) opportunities. In essence, each student, working closely with a faculty advisor, designs a schedule which most uniquely meets the student's needs and career preferences. Conducted in an experiential learning mode, the clinical rotations and many of the electives continue to make the student partly responsible for their own education. The clinical cases or elective courses provide the environment for continued student growth and development.

CURRENT CURRICULUM OUTLINE	Required Hours	PROPOSED CURRICULUM OUTLINE	Required Hours
Year 1 (DVM1) Fall Semester CVM 5011 Professional Development I CVM 5013 Veterinary Neuroscience CVM 5021 Professional Development II CVM 5023 Infectious Agents I CVM 5033 Immunology CVM 5036 Veterinary Physiology CVM 5046 Veterinary Anatomy I CVM 5073 Veterinary Histology	25	Year 1 (DVM1) Fall Semester CVM 5011 Professional Development I CVM 5013 Veterinary Neuroscience CVM 5021 Professional Development II CVM 5023 Infectious Agents I CVM 5033 Immunology CVM 5036 Veterinary Physiology CVM 5046 Veterinary Anatomy I CVM 5073 Veterinary Histology	25
Year 1 (DVM 1) Spring Semester CVM 5022 Veterinary Epidemiology CVM 5044 Intro to Veterinary Pathology CVM 5072 Veterinary Anatomy II CVM 5111 Professional Development III CVM 5163 Veterinary Parasitology CVM 5193 Infectious Agents II CVM 5223 Pharmacology I	18	Year 1 (DVM 1) Spring Semester CVM 5022 Veterinary Epidemiology CVM 5044 Intro to Veterinary Pathology CVM 5072 Veterinary Anatomy II CVM 5111 Professional Development III CVM 5163 Veterinary Parasitology CVM 5193 Infectious Agents II CVM 5223 Pharmacology I	18
Year 2 (DVM 2) Fall Semester CVM 5123 Vet Clinical Pathology CVM 5143 Theriogenology CVM 5152 Vet Toxicology CVM 5153 Equine Medicine & Surg I CVM 5186 Small Animal Med & Surg I CVM 5213 Intro to Vet Anesthesiology CVM 5553 Pharmacology II	23	Year 2 (DVM 2) Fall Semester CVM 5123 Vet Clinical Pathology CVM 5143 Theriogenology CVM 5152 Vet Toxicology CVM 5153 Equine Medicine & Surg I CVM 5186 Small Animal Med & Surg I CVM 5213 Intro to Vet Anesthesiology CVM 5553 Pharmacology II	23
Year 2 (DVM 2) Spring Semester CVM 5121 Professional Development IV CVM 5133 Veterinary Preventive Med CVM 5162 Diagnostic Imaging CVM 5173 Equine Medicine & Surg II CVM 5175 Food Animal Medicine & Surg CVM 5183 Special Species CVM 5196 Small Animal Med & Surg II	23	Year 2 (DVM 2) Spring Semester CVM 5121 Professional Development IV CVM 5133 Veterinary Preventive Med CVM 5162 Diagnostic Imaging CVM 5173 Equine Medicine & Surg II CVM 5175 Food Animal Medicine & Surg CVM 5183 Special Species CVM 5196 Small Animal Med & Surg II	23
Year 3 (DVM 3) Core Clinical Rotations CVM 5214 Laboratory Services CVM 5224 Radiology CVM 5234 Anesthesiology *CVM 5276 Food Animal Medicine & Surg* *CVM 5266 Equine Medicine & Surg* *CVM 5246 Community Veterinary Service* *CVM 5256 Small Animal Surgery* *CVM 5273 Population Medicine*	39	Year 3 (DVM 3) Core Clinical Rotations CVM 5214 Laboratory Services CVM 5224 Radiology CVM 5234 Anesthesiology **CVM 5274 Food Animal Medicine & Surg** **CVM 5264 Equine Medicine & Surg** **CVM 5304 Community Veterinary Service** **CVM 5314 Small Animal Surgery** **CVM 5674 Population Medicine** **CVM 5254 Large Animal Intensive Care Rotation**	36

Year 4 (DVM 4) Core Clinical Rotations CVM 5282 Ambulatory/Large Animal Primary Care CVM 5301 Clinical Pathologic Conf CVM 5314 Small Animal Emerg & Critical Care Medicine *CVM 5380 Small Animal Internal Med* CVM 5292 Flowood/MVRDL Externship *CVM 5364 Veterinary Specialty Center*	19	Year 4 (DVM 4) Core Clinical Rotations CVM 5282 Ambulatory/Large Animal Primary Care CVM 5301 Clinical Pathologic Conf CVM 5314 Small Animal Emerg & Critical Care Medicine **CVM 5414 Small Animal Internal Med** CVM 5292 Flowood/MVRDL Externship **CVM 5364 Veterinary Neurology/ Neurosurgery Rotation** **CVM 5316 Specialty Medicine Rotation** **CVM 5332 Shelter Medicine Spay/ Neuter Rotation** **CVM 5294 Enhanced Clinical Practicum** **CVM 5294 Enhanced Clinical Practicum (repeated once)**	33
Elective Options *CVM 5640 Shelter Medicine Spay Neuter* CVM 5000 DIS in Vet Med 1 CVM 5182 Vet Disaster Mgmt. CVM 5221 Clin Rot. Shelter Med CVM 5222 Sm An Clin Nutrition CVM 5242 Sm An Dermatology CVM 5382 Cytology Elective CVM 5392 Pharmacy CVM 5420 Advanced Rotation-Radiology (1-6 hours) CVM 5430 Advanced Rotation-Anesthesiology (1-6 hours) CVM 5452 Sm An Physical Rehab CVM 5454 Adv Rot in Small Animal Surg CVM 5464 Adv Rot Equine Med & Surg CVM 5474 Adv Rot Food Animal Pract CVM 5484 Adv Rot Small Animal Internal Medicine CVM 5510 Animal Industry Ext 1(1-6 hrs) CVM 5520 Animal Industry Ext 2(1-6 hrs) CVM 5530 Animal Industry Ext 3(1-6 hrs) CVM 5540 Animal Industry Ext 4(1-6 hrs) CVM 5550 Animal Industry Ext 5(1-6 hrs) CVM 5552 Veterinary Cardiology CVM 5560 Advanced Clinical Rotation 1 (ACR 1) (1-6 hrs) CVM 5570 Advanced Clinical Rotation 2 (ACR 2) (1-6 hrs) CVM 5580 Advanced Clinical Rotation 3 (ACR 3) (1-6 hrs) CVM 5602 Comparative Endocrinology CVM 5622 Vet Diagnostic Toxicology	Min of 27	Elective Options (moves to core rotation) CVM 5000 DIS in Vet Med 1 CVM 5182 Vet Disaster Mgmt. CVM 5221 Clin Rot Shelter Med CVM 5222 Sm An Clin Nutrition CVM 5242 Sm An Dermatology CVM 5382 Cytology Elective CVM 5392 Pharmacy CVM 5420 Advanced Rotation-Radiology (1-6 hours) CVM 5430 Advanced Rotation-Anesthesiology (1-6 hours) CVM 5452 Sm An Physical Rehab CVM 5454 Adv Rot in Small Animal Surg CVM 5464 Adv Rot Equine Med & Surg CVM 5474 Adv Rot Food Animal Pract CVM 5484 Adv Rot Small Animal Internal Medicine CVM 5510 Animal Industry Ext 1(1-6 hrs) CVM 5520 Animal Industry Ext 2(1-6 hrs) CVM 5530 Animal Industry Ext 3(1-6 hrs) CVM 5540 Animal Industry Ext 4(1-6 hrs) CVM 5550 Animal Industry Ext 5(1-6 hrs) CVM 5552 Veterinary Cardiology CVM 5560 Advanced Clinical Rotation 1 (ACR 1) (1-6 hrs) CVM 5570 Advanced Clinical Rotation 2 (ACR 2) (1-6 hrs) CVM 5580 Advanced Clinical Rotation 3 (ACR 3) (1-6 hrs) CVM 5602 Comparative Endocrinology CVM 5622 Vet Diagnostic Toxicology	Min of 13

CVM 5644 Applied Gross Anatomy CVM 5652 Equine Podiatry CVM 5654 Applied Vet Parasitology CVM 5662 Clinical Neurology CVM 5672 Veterinary Dentistry CVM 5682 Veterinary Ophthalmology CVM 5692 Art and Business Mgmt CVM 5694 Veterinary Cytology CVM 5702 Clin Hematology and Immunology CVM 5714 Adv Small Animal Derm (lect) CVM 5722 Small Ruminant Prod Med CVM 5754 Adv Small Animal Surgery CVM 5764 Adv Equine Reproduction CVM 5772 Canine Theriogenology CVM 5784 Clinical Behavior Medicine CVM 5802 Prac. Sm Animal Oncology CVM 5812 Behavior for Comp An Veterinarian CVM 5814 The Feline Patient CVM 5840 Veterinary Student Research CVM 5842 Clinical Pharmacology CVM 5854 Aquarium Health Mgmt CVM 5862 Equine Lameness CVM 5864 Bovine Production Med CVM 5882 Sm An Gastroenterology CVM 5990 Special Topics in Vet Medicine I (1-6 hrs) CVM 5903 Tropical Veterinary Medicine & One Health		CVM 5644 Applied Gross Anatomy CVM 5652 Equine Podiatry CVM 5654 Applied Vet Parasitology CVM 5662 Clinical Neurology CVM 5672 Veterinary Dentistry CVM 5682 Veterinary Ophthalmology CVM 5692 Art and Business Mgmt CVM 5694 Veterinary Cytology CVM 5702 Clin Hematology and Immunology CVM 5714 Adv Small Animal Derm (lect) CVM 5722 Small Ruminant Prod Med CVM 5754 Adv Small Animal Surgery CVM 5764 Adv Equine Reproduction CVM 5772 Canine Theriogenology CVM 5784 Clinical Behavior Medicine CVM 5802 Prac. Sm Animal Oncology CVM 5812 Behavior for Comp An Veterinarian CVM 5814 The Feline Patient CVM 5840 Veterinary Student Research CVM 5842 Clinical Pharmacology CVM 5854 Aquarium Health Mgmt CVM 5862 Equine Lameness CVM 5864 Bovine Production Med CVM 5882 Sm An Gastroenterology CVM 5990 Special Topics in Vet Medicine I (1-6 hrs) CVM 5903 Tropical Veterinary Medicine & One Health (Plus any courses approved by student advisor)	
Total DVM 4 Credits Required (minimum) (Core plus electives)	46	Total DVM 4 Credits Required (minimum) Core plus electives)	46
Total Hours in Degree Program	171	Total Hours in Degree Program	171

Students must complete a minimum of 46 hours/credits during Year 4. Available electives can be selected from the above listed CVM courses or from university courses upon advisor's approval.

JUSTIFICATION AND STUDENT LEARNING OUTCOMES

The proposed degree modification is justified to allow for the DVM curriculum to accommodate the increased numbers of veterinary students who will be beginning clinical rotations. CVM was approved by our accrediting body to increase its student enrollment but will be monitored to ensure that all student outcomes and curriculum learning objectives remain unchanged. All proposed new courses and course modifications serve to best align the current needs of the clinical rotations for student numbers while continuing to ensure that our established student learning outcomes (SLOs) continue to be met. Each of our SLOs are matched to one or more of the AVMA Council on Education's list of nine clinical competencies which all AVMA-COE accredited veterinary programs must demonstrate graduate competency. Student assessments in each of the clinical rotation are also linked to the nine AVMA-COE clinical competencies. The College's SLO's for the nine clinical competencies are provided in a separate document with this submission.

The proposed curricular modifications will further enhance student learning opportunities, the student experience and address several student wellness concerns. All proposed changes are being made to allow for smoother scheduling of students for rotations throughout the year, more emphasis on student wellness concerns related to workload, ensuring a sufficient exposure of all students to rural/mixed animal private practices, and simultaneously meeting the needs of greatly expanding clinical case load in certain areas. All changes being proposed have followed a multi-year deliberative process of anticipated curricular modification needed to meet several recognized and forecasted needs that were anticipated with our recent increase in class size from 95 to 112 students.

1. Will this program change meet local, state, regional, and national educational and cultural needs?

   Yes, the proposed curricular modifications will meet and further enhance the educational needs of our students as well as the service needs of our varied stakeholders at all levels. The proposed changes are primarily targeted towards students with the goal of ensuring they are well prepared to enter and effectively serve the needs of broad communities in which they may practice. Student wellness concerns will also be addressed allowing us to meet the changing expectations related to workload in teaching hospitals. Additionally, these changes will allow MSU-CVM to better meet the caseload growth and changing needs of our patient population and their owners. All local, state, regional and national educational needs will continue to be met with the proposed this program change.

2. Will this program change result in duplication in the System? If so, please describe.

   No, there will be no duplication in the System.

3. Will this program change/advance student diversity within the discipline? If so, please describe.

   Yes, student diversity within the discipline will be advanced primarily with the addition of the Enhanced Clinical Practicum (ECPs). These courses will ensure that every student is exposed to private rural/mixed animal practice and increase the diversity of our graduates who are capable of serving in that underserved sector of the profession. The proposed changes will also allow us to attract a more diverse population of students because of the additional experiences this new design will allow.

4. Will this program change result in an increase in the potential placement of graduates in MS, the Southeast, and the U.S.? If so, please describe.

   Yes, the ECP's will ensure that all of our graduates will have been exposed to rural/mixed animal practice environment. This will provide our graduates with the knowledge and experience to enter this type of practice (which is the predominant practice type in many locations in MS and the Southeast) following graduation. Students who complete this revised curriculum will have skills which will make them more marketable to placement in practices in MS and the Southeast region.

5. Will this program change result in an increase in the potential salaries of graduates in MS, the Southeast, and the U.S.? If so, please describe.

   Yes, the proposed changes will provide additional clinical experiences to all DVM students and make them a more marketable associate with the potential to increase their starting salary. Employers will recognize the added expertise the proposed curriculum will provide for our DVM students and will see the value in hiring a graduate who is capable of managing a more diverse caseload that the proposed curriculum will be able to provide. Students will be better trained to recognize and treat clinical cases commonly seen in mixed animal practices which will increase their potential value to their employers and demand higher salaries for our graduates.

SUPPORT

See attached letter of support from the College of Veterinary Medicine Curriculum Committee.

PROPOSED 4-LETTER ABBREVIATION
No change

EFFECTIVE DATE
Summer/ May 2023