SMALL ANIMAL CLINICAL SCIENCES SCS

Department of Small Animal Clinical Sciences College of Veterinary Medicine

511. Veterinary Radiology

Fall. 1(1-0)

R: Open only to graduate-professional students in College of Veterinary Medicine.

Principles of veterinary radiology, radiation safety, and normal radiologic anatomy.

611. Diagnostic Imaging Clerkship Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all enrollments for this course.

R: Completion of 5 semesters of the graduate-professional Program in the College of Veterinary Medicine. Not open to students with credit in SCS 623. Provided to Stations and Creat in Section Diagnostic Radiography and ultra sound imaging. Radiation safety. Special procedures.

QA: SCS 623

612. Problems in Diagnostic Imaging

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all en-

rollments for this course. P: SCS 611. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.

Advanced diagnostic radiography, ultrasound imaging, and magnetic resonance imaging.

Anesthesiology Clerkship

Fall, Spring, Summer. 3 credits. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 648. Supervised anesthesiology practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 621

622. General Medicine and Intensive Care Unit Clerkship

Fall, Spring, Summer. 4 credits.

R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 625 or SCS 645.

Diagnostic and therapeutic plans and procedures for pet animal patients presented by appointment and as emergencies.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 622

Radiology Clerkship

Fall, Spring, Summer. 3 credits. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 611. Supervised radiology practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 623

Small Animal Surgery Clerkship 624.

Fall, Spring, Summer. 4 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 626 or SCS 646. Soft tissue and orthopedic surgery in companion

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 624

625. Small Animal General Medicine Clerkship

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all en-

rollments for this course.
P: Completion of semester 5 of the professional veterinary program. R. Open only to graduate professional students in College of Veterinary Medicine. Not open to students with credit in SCS 622.

Diagnostic and treatment services for routine and emergency outpatients. QA: SCS 622

Small Animal Soft Tissue Surgery

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all en-

rollments for this course.
P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 624.

Diagnosis and preoperative, surgical, and postoperative care of patients requiring routine elective and major soft tissue surgical procedures. QA: SCS 624

627. Veterinary Molecular Biology Clerkship

Fall, Spring, Summer. 2 credits. A student may earn a maximum of 4 credits in all en-rollments for this course.

R: Completion of three years of the graduate-profes-sional program in the College of Veterinary Medicine. Concepts and techniques of veterinary molecular

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

Problems in Small Animal Anesthesiology Clerkship

Fall, Spring, Summer. 2 credits. P: SCS 621. R: Open only to fourth year graduate-pro-fessional students in College of Veterinary Medicine. Anesthesiology problems.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: SCS 631

Problems in Soft Tissue Surgery Clerkship

Fall, Spring, Summer. 2 credits. P: SCS 624. R: Open only to graduate-professional students in College of Veterinary Medicine. Soft tissue surgery problems.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: SCS 634

Problems in Soft Tissue Surgery Clerkship

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

P: SCS 626. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.

Soft tissue surgery problems.

640. Cardiology Clerkship
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 660.

Diagnosis and medical, and surgical treatment of small animal thoracic and cardiovascular disorders. QA: SCS 660

Ophthalmology Clerkship

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

rouments for this course.

P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 663.

Ophthalmic evaluation of all species. Diagnosis and medical and surgical treatment of ophthalmic disease. QA: SCS 663

642. Zoo and Wildlife Clerkship

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all enrollments for this course.

P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 665. Zoo animal and wildlife medicine and surgery.

QA: SCS 665

643. Neurology Clerkship

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all enrollments for this course.

P: Completion of semester 5 of the professional veterinary program. R. Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 666.

Diagnosis and medical and surgical treatment of small animal neurological disorders. QA: SCS 666

Dermatology Clerkship

644. Dermatology Clerkship
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 681.
Diagnosis and treatment of small animal dermatological disorders.

cal disorders.

QA: SCS 681

645.

Intensive Care Unit Clerkship Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all en-

rollments for this course.

P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 622.

Intensive care and management of critically ill small animals.

QA: SCS 622

Small Animal Orthopedic Clerkship

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all enrollments for this course.

P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 624.

Diagnosis and preoperative, surgical, and postoperative care of patients requiring routine and major orthopedic surgical procedures. QA: SCS 624

647. Small Animal Internal Medicine Clerkship

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

P: Completion of semester 5 of the professional veterinary program. R: Open only to graduate professional students in College of Veterinary Medicine. Not open to students with credit in SCS 661.

Diagnosis and therapy for complicated medicine cases of small animals. QA: SCS 661

648. Anesthesia Clerkship
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

R: Completion of 5 semesters of the graduate-professional program in the College of Veterinary Medicine. Not open to students with credit in SCS 621. Pre-anesthesia evaluation, induction, monitoring, and recovery of large and small animal patients requiring routine and major surgical procedure. QA: SCS 621

Advanced Cardiology Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all enrollments for this course.

P: SCS 640 R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine

Advanced cardiology practice.

651. Problems in Ophthalmology Clerkship

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all en-rollments for this course.

P: SCS 641. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.

Ophthalmic problems.

653. Problems in Neurology Clerkship
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

P: SCS 643. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.

Neurologic problems.

656. Problems in Orthopedic Surgery Clerkship

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

P: SCS 646. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine

Orthopedic surgery problems. QA: SCS 674

657. Problems in Internal Medicine Clerkship

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all en-

rollments for this course. P: SCS 647. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.

Internal medicine problems.

QA: SCS 671

658. Problems in Anesthesiology Clerkship

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all en-rollments for this course.

P: SCS 648. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.

Advanced practice of anesthesiology in the teaching hospital setting.

660. Cardiology Clerkship
Fall, Spring, Summer. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 640. Cardiology practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 660

661. Internal Medicine Clerkship

Fall, Spring, Summer. 3 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 647.
Supervised internal medicine practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA. SCS 661

663, Ophthalmology Clerkship

Fall, Spring, Summer. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 641. Ophthalmology practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA. SCS 663

Zoo and Wildlife Clerkship 665.

Fall, Spring. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 642.
Zoo animal and wildlife medicine and surgery.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA. SCS 665

666. Neurology Clerkship

Fall, Spring, Summer. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 643. Neurology practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 666

Problems in Internal Medicine Clerkship

Fall, Spring, Summer. 2 credits.
P: SCS 661. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine.
Internal medicine problems.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 671

673. Problems in Ophthalmology Clerkship

Spring. 2 credits.
P: SCS 663. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Ophthalmology problems.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 673

674. Problems in Orthopedic Surgery Clerkship

Fall, Spring, Summer. 2 credits.
P: SCS 624. R: Open only to fourth year graduate-pro-fessional students in College of Veterinary Medicine. Orthopedic surgery problems.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 674

Special Problems Clerkship 680.

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Approval of department.

Clinical training with problem cases.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 680

681. Dermatology Clerkship
Fall, Spring, Summer. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in SCS 644.

Dermatology practice.

Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

QA: SCS 681

690. Veterinary Molecular Biology Clerkship

Fall, Spring, Summer. 3 credits. A stu-dent may earn a maximum of 6 credits in all enrollments for this course.

R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.
Concepts and techniques of veterinary molecular biology.

Problems in Small Animal Clinical Sciences Clerkship 693.

Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Special problems. QA: SCS 680

Problems in Small Animal Surgery 808. Fall, Spring, Summer. 1 to 9 credits. A

student may earn a maximum of 15 credits in all enrollments for this course.

R: Open only to graduate students in Small Animal Clinical Sciences.

QA: SCS 808

210 Problems in Small Animal Medicine

Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 15 credits in all enrollments for this course.

R: Open only to graduate students in Small Animal Clinical Sciences.

QA: SCS 810

813.

813. Small Animal Seminar
Fall, Spring, Summer. 1(1-0) A student
may earn a maximum of 3 credits in all enrollments for this course. R: Open only to graduate students in Small Animal

Clinical Sciences.

QA: SCS 813

826.

Cardiology
Fall of even-numbered years. 3(3-0) R: Open only to graduate students in Small Animal

Clinical Sciences.

Advances in veterinary cardiology. Congenital and acquired diseases. Electrocardiology, cardiac catheterization, and surgery. QA: SĆS 826

Master's Thesis Research 899.

Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

R: Open only to graduate students in Small Animal Clinical Sciences.

SSC SOCIAL SCIENCE

College of Social Science

Social Science Internship

Fall, Spring, Summer. 3 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

R: Open only to juniors and seniors in College of Social Science. Approval of college. Methods and concepts from social and behavioral

sciences applied in career-related settings. QA: SSC 498

496. Field Study Abroad

Fall, Spring, Summer. 3 to 10 credits. A student may earn a maximum of 16 credits in all enrollments for this course.

R: Open only to juniors and seniors. Approval of

Study abroad under MSU faculty supervision. Social behavior and processes in selected countries. QA: SSC 495

Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 36 credits in all enrollments for this course.

QA: SSC 999

SOCIAL WORK

SW

School of Social Work College of Social Science

Introduction to Social Work

Fall, Spring. 3(3-0)
Social work practice, ethics, and values, in the context of social welfare policy in the United States. QA: SW 205

Human Behavior and Social Environment

Fall. 3(3-0) P: SW 200, PSY 101, SOC 100, PSY 236; BS 110 or ZOL 341 or TCC 325 or PSL 250. R: Open only to majors in Social Work.

General systems and ecological theories within the context of lifespan development as applied to social

QP: SW 205, PSY 160, PSY 170, SOC 241, PSY 225, BS 210, BS 211 QA: SW 438