Descriptions—Small Animal Clinical Sciences of Courses

SMALL ANIMAL CLINICAL SCIENCES

Department of Small Animal Clinical Sciences
College of Veterinary Medicine

511. Veterinary Radiology
Fall, 11-01
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 student may earn a maximum of 6 credits in all enrollments for this course.
R: Completion of 2 semesters of the graduate-professional program in the College of Veterinary Medicine. Not open to students with credit in SCS 622.
Diagnostic radiography and ultra sound imaging. Radiation safety. Special procedures.
QA: SCS 623

612. Problems in Diagnostic Imaging Clerkship
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.
Advanced diagnostic radiography, ultrasound imaging, and magnetic resonance imaging.

621. Anesthesiology Clerkship
Fall, Summer, 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. Not open to students with credit in SCS 646.
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

623. 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 681.
Supervised radiology practice.
Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.
QA: SCS 623

624. Small Animal Surgery 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 626 or SCS 646.
Soft tissue and orthopedic surgery in companion animals.
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 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 622.
Diagnostic and treatment services for routine and emergency outpatients.
QA: SCS 622

626. Small Animal 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: 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, 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Completion of 3 years of the graduate-professional program in the College of Veterinary Medicine.
Concepts and techniques of veterinary molecular biology.
Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.

631. Problems in Small Animal Anesthesiology Clerkship
Fall, Spring, Summer, 3 credits.
P: SCS 621. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine.
Anesthesiology problems.
Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.
QA: SCS 631

634. 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

636. 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 624.
Diagnosis and medical and surgical treatment of small animal thoracic cardiovascular disorders.
QA: SCS 660

641. Ophthalmology 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 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 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 662.
Zoo animal and wildlife medicine and surgery.
QA: SCS 665

643. Neurology 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 662.
Diagnosis and medical and surgical treatment of small animal neurological disorders.
QA: SCS 666

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 662.
Diagnosis and medical and surgical treatment of small animal dermatological disorders.
QA: SCS 666

645. Intensive Care Unit 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 662.
Intensive care and management of critically ill small animals.
QA: SCS 662

646. Small Animal Orthopedic 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 642.
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. Anesthesiology 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 621.
Pre-anesthesia evaluation, induction, monitoring, and recovery of large and small animal patients requiring routine and major surgical procedure.
QA: SCS 621

650. Advanced Cardiology
Fall, Spring, Summer, 3 credits. A student 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.
661. Problems in Ophthalmology Clerkship  
Fall, Spring, Summer, 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
P: SCS 641. R: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine.  
Ophthalmic problems.

665. Zoo and Wildlife Clerkship  
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 685

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 668

671. 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 664. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine.  
Orthopedic surgery problems.  
Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.  
QA: SCS 674

680. Special Problems Clerkship  
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.  
Clinical training with problems cases.  
Temporary approval effective from Fall Semester 1992 through Spring Semester 1996.  
QA: SCS 680

681. Dermatology Clerkship  
Fall, Spring, Summer, 2 credits.  
P: SCS 665. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine.  
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 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.  
Concepts and techniques of veterinary molecular biology.  
QA: SCS 690

692. Problems in Small Animal Clinical Sciences Clerkship  
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.  
Small animal clinical sciences.  
QA: SCS 692

698. Problems in Small Animal Surgery  
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 698

810. 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

815. Small Animal Seminar  
Fall, Spring, Summer, 1 to 6 credits. 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 815

826. Cardiology  
Fall, Spring, Summer, 1 to 3 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.  
QA: SCS 826

899. Master's Thesis Research  
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.  
QA: SCS 899

SOCIAL SCIENCE  
SSC

College of Social Science

493. 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: SCS 493

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 college. Study abroad under MSU faculty supervision. Social behavior and processes in selected countries.  
QA: SCS 496

999. 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: SCS 999

SOCIAL WORK  
SW

School of Social Work  
College of Social Science

209. Introduction to Social Work  
Fall, Spring, 3 credits.  
Social work practice, ethics, and values, in the context of social welfare policy in the United States.  
QA: SW 209

310. Human Behavior and Social Environment  
Fall, Spring, 3(3-0)  
P: SW 209, PSY 101, SOC 100, PSY 236; BS 110 or ZOL 241 or GCC 322 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 work.  
QP: SW 205, PSY 160, PSY 170, SOC 241, PSY 225, BS 210, BS 211; QA: SW 438