

New York State College of Veterinary Medicine

Administration

Edward C. Melby, Jr., dean
 Charles G. Rickard, associate dean for academic programs
 Lennart P. Krook, associate dean for postdoctoral education
 Robert B. Brown, assistant dean for administration
 Richard Rostowsky, assistant dean for hospital administration
 John C. Semmler, assistant dean for facilities and research administration
 Roy V. Pollock, assistant dean for curriculum development
 Ann Marcham, assistant to the dean for instructional support and special projects
 Ralph A. Jones, assistant to the dean for public affairs
 Neil L. Norcross, secretary of the college
 Fred W. Quimby, director of laboratory animal medicine and service
 Marcia James Sawyer, director of student affairs and admissions
 Howard Moraff, director of computer resources
 Alexander deLahunta, medical director of the Teaching Hospital
 Charles E. Short, director of continuing education
 Raymond H. Cypess, director of the Diagnostic Laboratory

The College

The College of Veterinary Medicine offers a professional program that requires four years of full-time academic and clinical study of the normal and abnormal structure and function of the animal body and the diagnosis, treatment, and prevention of animal disease.

Graduates of the college receive the Doctor of Veterinary Medicine (D.V.M.) degree, which is recognized by licensing boards throughout the world. Graduates generally enter private practice or become engaged in one of the increasing number of other biomedical activities.

Admission requires a minimum of three years of college work, including specific prerequisite courses and experience. In exceptional cases, outstanding students who have completed all of the prerequisites in two years of undergraduate education may be considered for admission. Applications must be filed approximately one year before the proposed matriculation date. The competition for admission is keen since there are many more qualified applicants than can be admitted.

Graduate programs in veterinary research and postdoctoral training in clinical specialties are open to Doctors of Veterinary Medicine and some highly qualified holders of baccalaureate degrees, and lead to the degree of Master of Science, Doctor of Science in Veterinary Medicine, or Doctor of Philosophy.

More detailed information is contained in the *Announcement of the New York State College of Veterinary Medicine*, which may be obtained by writing to the college.

Anatomy

- 500–501 Gross Anatomy** 500, fall; 501, spring.
502 Developmental Anatomy and Cytology Fall.
503 Histology and Organology Spring.

- 504 Neuroanatomy** Spring.
505–506 Applied Anatomy 505, fall; 506, spring.
600 Special Projects In Anatomy Fall and spring.
601 Advanced Anatomy Fall and spring.
602 Advanced Clinical Neurology Fall.

Avian and Aquatic Animal Medicine

- 255 Poultry Hygiene and Disease** Fall.
555 Avian Diseases Spring.
671 Diseases of Aquatic Animals Spring.
672 Aquavet: Introduction to Aquatic Veterinary Medicine Mid-May–mid-June.
673 Diseases of Aquarium Fish Spring.
770 Advanced Work In Avian Diseases Fall and spring.
771 Graduate Seminar in Diseases of Aquatic Animals Fall and spring.
772 Advanced Work In Aquatic Animal Diseases Fall and spring.

Clinical Sciences

- 475 Health and Diseases of Animals** Spring
546 Clinical Orientation Fall.
547 Practice Management Experience at the Small Animal Hospital Spring.
550 Applied Radiation Biology and Veterinary Nuclear Medicine Fall.
560 Clinical Methods Fall.
561–562 Obstetrics and Reproductive Diseases 561, spring; 562, fall.
563–564 Large Animal Medicine 563, fall; 564, spring.
565 Large Animal Surgery Spring.
566 Radiology Spring.
567 Clinical Nutrition Fall.
568–569 Veterinary Medical Orientation 568, fall; 569, spring.
570 Theriogenology Spring.
572 Senior Seminar Fall and spring.
573 Large Animal Clinic Fall.
574 Large Animal Surgical Clinic Spring.
575–576 Ambulatory Clinic 575, fall; 576, spring.
577 Diagnostic Services Fall.
578 Anesthesiology Clinic Spring.
579 General Medicine Spring.
580 Radiology Clinic Spring.
581 Nutrition Fall.
582 Large Animal Surgical Techniques Spring.
583–584 Small Animal Medicine and Surgery 583, fall; 584, spring.
586 Small Animal Surgical Exercises Spring.
587 General Surgery and Anesthesiology Fall.
589–590 Small Animal Medical Clinic 589, fall; 590, spring.
591–592 Small Animal Surgical Clinic 591, fall; 592, spring.
593 Ophthalmology Spring.
594 Large Animal Medical Clinic Spring.
596 Opportunities In Veterinary Medicine Spring.
598 Dermatology Clinic Spring.
675 Special Problems In Large Animal Medicine Fall and spring.
676 Special Problems In Large Animal Surgery Fall and spring.
677 Special Problems In Large Animal Obstetrics Fall and spring.
679 Dairy Herd Health Fall.
680 Poisonous Plants Fall.
681 Horse Health Management Spring.
682 Large Animal Internal Medicine Fall.
683 Practice and Personal Affairs Management Fall and spring.
684 Horse Lameness Spring.
686 Goats: Management and Diseases Spring.
687 Diseases of Swine Spring.
688 Special Problems in Small Animal Medicine Fall and spring.
689 Special Problems in Small Animal Surgery Fall and spring.
690 Veterinary Dermatology Spring.
691 Advanced Large Animal Internal Medicine Problems Spring.
778 Gastroenterology Conference Spring.
779 Veterinary Gastroenterology Spring.
781 Advanced Work Fall and spring.
782 Ophthalmology Fall and spring.

Microbiology

- 315 Basic Immunology, Lectures (also Biological Sciences 305)** Fall.
316 Basic Immunology, Laboratory (also Biological Sciences 307) Fall.
317 Pathogenic Microbiology Spring.
515 Veterinary Immunology Fall.
516 Veterinary Bacteriology and Mycology Fall.

- 517 **Veterinary Virology** Spring.
- 518 **Infectious and Zoonotic Diseases** Spring.
- 605 **Special Projects in Microbiology** Fall and spring.
- 606 **Small Animal Infectious Diseases** Spring.
- 607 **Virus Diseases of Cattle** Fall.
- 705 **Advanced Immunology Lectures** Spring.
- 707 **Advanced Work in Bacteriology, Virology, or Immunology** Fall and spring.
- 708 **Animal Virology, Lectures and Laboratory Demonstrations** Spring.
- 709 **Laboratory Methods of Diagnosis** Fall and spring.
- 710 **Microbiology Seminar** Fall and spring.
- 711 **Seminars on Current Topics in Immunology and Microbiology** Fall, spring, and summer.

Pathology

- 535 **Veterinary Pathology I** Fall.
- 536 **Veterinary Pathology II** Spring.
- 539 **Introduction to Laboratory Animal Medicine** Fall.
- 540 **Clinical Pathology** Spring.
- 541 **Necropsy Clinic** Spring.
- 571 **Clinical Pathology** Fall.
- 635 **Special Problems in Pathology** Fall and spring.
- 636 **Wildlife Pathology** Fall.
- 637 **Postmortem Pathology** Fall.
- 638 **Microscopy** Fall and summer.
- 639 **Autotutorial Laboratory Animal Medicine and Science** Fall.
- 641 **Clinical Immunology** Spring.
- 736 **Pathology of Nutritional Diseases** Spring.
- 739 **Advanced Work in Pathology** Fall and spring.
- 749 **Laboratory Animal Clinical Rotation** Fall and spring.
- 788 **Seminar in Surgical Pathology** Fall and spring.
- 789 **Seminar in Necropsy Pathology** Fall and spring.
- 790 **Special Topics in Pathology** Fall.
- 791 **Mechanisms of Disease** Spring.
- 793 **Lectures in General Pathology** Fall.
- 794 **Lectures in Special Pathology** Spring.

Pharmacology

- 528 **Pharmacology** Spring.
- 529 **Clinical Pharmacology** Fall.
- 621 **Toxicology** Spring.
- 622 **Special Projects in Pharmacology** Fall and spring.
- 623 **Ecology of Environmental Toxins** Spring.
- 721 **Research** Fall and spring.
- 724 **Disposition of Drugs and Poisons** Spring.

Physiology

- The Vertebrates (Biological Sciences 274)** Spring.
- Animal Reproduction and Development (Animal Sciences 220)** Fall.
- Techniques in Animal Handling and Surgery (Biological Sciences 309)** Intersession.
- Histology: The Biology of the Tissues (Biological Sciences 313)** Fall.
- Ecological Animal Physiology, Lectures (Biological Sciences 315)** Fall.
- Cellular Physiology (Biological Sciences 316)** Spring.
- Ecological Animal Physiology, Laboratory (Biological Sciences 317)** Fall.
- 346 **Introductory Animal Physiology, Lectures (also Biological Sciences 311)** Fall.
- 348 **Introductory Animal Physiology, Laboratory (also Biological Sciences 319)** Fall.
- Biological Rhythms with a Period of One Day to One Year (Biological Sciences 351)** Fall.
- Seminar in Anatomy and Physiology (Biological Sciences 410)** Fall and spring.
- Special Histology: The Biology of the Organs (Biological Sciences 412)** Spring.
- General Animal Physiology: A Quantitative Approach, Lectures (Biological Sciences 416)** Spring.
- General Animal Physiology, Laboratory (Biological Sciences 418)** Spring.
- Fundamentals of Endocrinology (Animal Sciences 427)** Fall.
- Comparative Physiology of Reproduction of Vertebrates, Lectures (Biological Sciences 452 and Animal Sciences 452)** Spring.
- Comparative Physiology of Reproduction of Vertebrates, Laboratory (Biological Sciences 454 and Animal Sciences 454)** Spring.
- Mammalian Physiology (Biological Sciences 458)** Spring.
- Undergraduate Research in Biology (Biological Sciences 499)** Fall and spring.
- 525 **Cellular Mechanisms** Fall.

526–527 **Physiology for Veterinary Students** 526, spring; 527, fall.

Lipids (Biological Sciences 619 and Nutritional Sciences 602) Fall.

620 **Special Projects in Physiology** Fall and spring.

626 **Veterinary Animal Behavior** Spring.

627 **Acid-Base Relations** Fall and spring.

628 **Graduate Research in Animal Physiology (also Biological Sciences 719)** Fall and spring.

652 **Applied Electrophysics (also Biological Sciences 617)** Fall.

653 **Clinical and Research Techniques in Veterinary Nuclear Medicine** Fall.

Special Topics in Physiology (Biological Sciences 711 through 718) Fall and spring.

720 **Special Problems in Physiology** Fall and spring.

726 **Physiology** Spring.

727 **Physiology** Fall.

750 **Radioisotopes in Biological Research (also Biological Sciences 616)** Fall.

752 **Biological Membranes and Nutrient Transfer (also Biological Sciences 618)** Spring.

753 **Mammalian Neurophysiology (also Biological Sciences 450)** Spring.

755 **Physiology Graduate Seminar** Fall and spring.

759 **Nutrition and Physiology of Mineral Elements (also Biological Sciences 615 and Nutritional Sciences 659)** Fall.

Preventive Medicine

- 330 **The Population Biology of Health and Disease** Spring.
- 331 **Medical Parasitology** Fall.
- 332 **Systematics and Bionomics of Animal Parasites** Fall.
- 440 **Parasitic Helminthology** Spring.
- 510 **Animal Parasitology** Fall.
- 511 **Diagnostic Parasitology** Fall.
- 520 **Preventive Medicine in Animal Health Management** Spring.
- 545 **Principles of Epidemiology** Fall.
- 568 **Veterinary Medical Orientation** Fall.
- 660 **Safety Evaluation in Public Health** Spring.
- 662 **Advanced Epidemiology** Spring.
- 737 **Advanced Work in Animal Parasitology** Fall and spring.
- 765 **Structure and Function of Protozoan Parasites** Spring.
- 766 **Graduate Research** Fall, spring, and summer.

767 Immunoparasitology Fall and spring.

768 Master's-Level Thesis Research Fall and spring.

769 Doctoral-Level Thesis Research Fall and spring.

786 Graduate Seminar Fall and spring.

Faculty Roster

- Antczak, Douglas F., Ph.D., U. of Cambridge (England). Asst. Prof., Microbiology
- Appel, Max J., Ph.D., Cornell U. Prof., Microbiology
- Babish, John, Ph.D., Cornell U. Asst. Prof., Preventive Medicine
- Bell, Robin G., Ph.D., Australian National U. Asst. Prof., Microbiology
- Bergman, Emmett N., Ph.D., U. of Minnesota. Prof., Physiology
- Blue, Julia T., U. of Pennsylvania. Asst. Prof., Clinical Sciences
- Brunner, Michael A., Ph.D., Cornell U. Asst. Prof., Preventive Medicine
- Cainek, Bruce W., D.V.M., Cornell U. Prof., Avian and Aquatic Animal Medicine
- Campbell, S. Gordon, Ph.D., Cornell U. Prof., Microbiology
- Carmichael, Leland E., Ph.D., Cornell U. John M. Olin Professor of Virology, Microbiology
- Casarett, Alison P., Ph.D., U. of Rochester. Prof., Physiology
- Castleman, William L., Ph.D., U. of California at Davis. Asst. Prof., Pathology
- Clark, Larry C., Ph.D., U. of North Carolina. Asst. Prof., Epidemiology
- Cockerell, Gary L., Ph.D., Ohio State U. Asst. Prof., Pathology
- Collier, Michael A., D.V.M., Washington State U. Asst. Prof., Clinical Sciences
- Cooper, Barry J., Ph.D., U. of Sydney (Australia). Asst. Prof., Pathology
- Corradino, Robert A., Ph.D., Cornell U. Assoc. Prof., Physiology/(Section of Physiology)
- Cummings, John F., Ph.D., Cornell U. Prof., Anatomy
- Cypess, Raymond H., Ph.D., U. of North Carolina. Prof., Diagnostic Laboratory/Preventive Medicine/Microbiology
- deLahunta, Alexander, Ph.D., Cornell U. Prof., Clinical Sciences/Anatomy
- Dobson, Alan, Ph.D., U. of Aberdeen (Scotland). Prof., Physiology/(Section of Physiology)
- Dubovi, Edward J., Ph.D., U. of Pittsburgh. Asst. Prof., Diagnostic Laboratory
- Dunny, Gary M., Ph.D., U. of Michigan. Asst. Prof., Microbiology
- Erb, Hollis N., Ph.D., U. of Guelph (Canada). Asst. Prof., Preventive Medicine
- Evans, Howard E., Ph.D., Cornell U. Prof., Anatomy
- Fabricant, Julius, Ph.D., Cornell U. Prof., Avian and Aquatic Animal Medicine/Microbiology
- Fox, Francis H., D.V.M., Cornell U. Prof., Clinical Sciences
- Fregin, G. Frederick, V.M.D., U. of Pennsylvania. Assoc. Prof., Diagnostic Laboratory
- Gasteiger, Edgar L., Jr., Ph.D., U. of Minnesota. Prof., Physiology/(Section of Physiology)
- Georgi, Jay R., Ph.D., Cornell U. Prof., Pathology/Preventive Medicine
- Gillespie, James H., V.M.D., U. of Pennsylvania. Prof., Microbiology
- Gilmore, Dougald R., B.V.Sc., U. of Queensland (Australia). Asst. Prof., Clinical Sciences
- Gleed, Robin D., D.V.M., U. of Liverpool (England). Asst. Prof., Clinical Sciences
- Graham, David L., Ph.D., Iowa State U. Prof., Avian and Aquatic Animal Medicine
- Hackett, Richard P., Jr., D.V.M., Ohio State U. Asst. Prof., Clinical Sciences
- Hall, Charles E., D.V.M., Cornell U. Assoc. Prof., Clinical Sciences
- Hansel, William, Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)/Animal Science
- Harvey, H. Jay, D.V.M., Kansas State U. Asst. Prof., Clinical Sciences
- Henion, John D., Ph.D., SUNY at Albany. Asst. Prof., Diagnostic Laboratory
- Hornbuckle, William E., D.V.M., Oklahoma State U. Asst. Prof., Clinical Sciences
- Houpt, Katherine A., Ph.D., U. of Pennsylvania. Asst. Prof., Physiology/(Section of Physiology)
- Houpt, T. Richard, Ph.D., U. of Tennessee. Prof., Physiology/(Section of Physiology)
- Jacobson, Richard H., Ph.D., Montana State U. Asst. Prof., Diagnostic Laboratory/Pathology
- Kallfelz, Francis A., Ph.D., Cornell U. Professor, Clinical Sciences/Physiology
- Kern, Thomas J., D.V.M., U. of Missouri. Asst. Prof., Clinical Sciences
- King, John M., Ph.D., Cornell U. Prof., Pathology
- Kirk, Robert W., D.V.M., Cornell U. Prof., Clinical Sciences
- Krook, Lennart P., Ph.D., Royal Veterinary Coll. at Stockholm (Sweden). Prof., Pathology
- LaFauce, Norman A., D.V.M., U. of California at Davis. Asst. Prof., Clinical Sciences
- Lee, Kyu M., Ph.D., Cornell U. Prof., Microbiology
- Leibovitz, Louis, V.M.D., U. of Pennsylvania. Assoc. Prof., Avian and Aquatic Animal Medicine/Microbiology
- Lein, Donald H., Ph.D., U. of Connecticut. Assoc. Prof., Diagnostic Laboratory
- Lengemann, Frederick W., Ph.D., U. of Wisconsin. Prof., Physiology/(Section of Physiology)
- Lewis, Robert M., D.V.M., Washington State U. Prof., Pathology
- Lindmark, Donald G., Ph.D., U. of Rhode Island. Assoc. Prof., Preventive Medicine
- Lopes, A. Dwight, Ph.D., U. of Pennsylvania. Asst. Prof., Immunology
- Lowe, John E., D.V.M., Cornell U. Assoc. Prof., Clinical Sciences
- Lust, George, Ph.D., Cornell U. Assoc. Prof., Microbiology
- MacCoy, Douglas M., D.V.M., U. of Georgia. Asst. Prof., Clinical Sciences
- McGregor, Douglas D., D.Phil., Oxford U (England). Prof., Microbiology
- Manning, Thomas O., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
- Maylin, George A., Ph.D., Cornell U. Assoc. Prof., Diagnostic Laboratory
- Melby, Edward C., Jr., D.V.M., Cornell U. Prof., Clinical Sciences
- Minor, Ronald R., Ph.D., U. of Pennsylvania. Assoc. Prof., Pathology
- Nathanielsz, Peter W., M.D., U. of Cambridge (England). Prof., Clinical Sciences
- Noden, Drew M., Ph.D., Washington U. Assoc. Prof., Anatomy
- Norcross, Neil L., Ph.D., U. of Massachusetts. Prof., Clinical Sciences/Microbiology
- Noronha, Fernando M., D.V.M., U. of Lisbon (Portugal). Prof., Pathology/Microbiology
- Opdebeek, Joan P., Ph.D., Cornell U. Asst. Prof., Clinical Sciences
- Oswald, Robert E., Ph.D., Vanderbilt U. Asst. Prof., Pharmacology
- Peckham, Malcolm C., D.V.M., Cornell U. Prof., Avian and Aquatic Animal Medicine
- Pollock, Roy V., Ph.D., Cornell U. Asst. Prof., Microbiology
- Poppensiek, George C., V.M.D., U. of Pennsylvania. James Law Professor of Comparative Medicine, Microbiology
- Postle, Donald S., D.V.M., Ohio State U. Assoc. Prof., Clinical Sciences
- Quimby, Fred W., Ph.D., U. of Pennsylvania, Assoc. Prof., Laboratory Animal Sciences/Pathology
- Randolph, J. F., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
- Rebhun, William C., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
- Reimers, Thomas J., Ph.D., U. of Illinois. Asst. Prof., Diagnostic Laboratory
- Rendano, Victor T., V.M.D., U. of Pennsylvania. Assoc. Prof., Clinical Sciences
- Rickard, Charles G., Ph.D., U. of Michigan. Prof., Pathology
- Riis, Ronald C., D.V.M., U. of Minnesota. Assoc. Prof., Clinical Sciences
- Sack, Wolfgang O., Ph.D., U. of Edinburgh (Scotland). Prof., Anatomy
- Schat, Karel A., Ph.D., Cornell U. Asst. Prof., Avian and Aquatic Animal Medicine
- Schryver, Herbert F., Ph.D., U. of Pennsylvania. Assoc. Prof., Clinical Sciences/Pathology
- Schwark, Wayne S., Ph.D., U. of Ottawa (Canada). Assoc. Prof., Pharmacology
- Scott, Danny W., D.V.M., U. of California at Davis. Assoc. Prof., Clinical Sciences
- Scott, Frederic W., Ph.D., Cornell U. Prof., Microbiology
- Sellers, Alvin F., Ph.D., U. of Minnesota. Prof., Physiology
- Sharp, Geoffrey W. G., D.Sc., U. of London (England). Prof., Pharmacology
- Sheffy, Ben E., Ph.D., U. of Wisconsin. Prof., Microbiology
- Short, Charles E., D.V.M., Auburn U. Prof., Clinical Sciences
- Slauson, David O., Ph.D., U. of California at Davis. Assoc. Prof., Pathology
- Smith, Donald F., D.V.M., U. of Guelph (Canada). Asst. Prof., Clinical Sciences
- Smith, Mary C., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
- Spaulding, Glen L., D.V.M., Iowa State U. Asst. Prof., Clinical Sciences
- Summers, Brian A., B.V.Sc., U. of Melbourne (Australia). Asst. Prof., Pathology
- Tapper, Daniel N., Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)
- Tennant, Bud C., D.V.M., U. of California at Davis. Prof., Clinical Sciences
- Thompson, John C., Jr., Ph.D., Cornell U. Assoc. Prof., Preventive Medicine
- Timoney, John F., Ph.D., National U. of Ireland. Assoc. Prof., Microbiology
- Trotter, Eric J., D.V.M., U. of Illinois. Assoc. Prof., Clinical Sciences
- Wasserman, Robert H., Ph.D., Cornell U. Prof., Physiology/(Section of Physiology)
- Wassom, Donald L., Ph.D., U. of Utah. Asst. Prof., Preventive Medicine
- Weiland, Gregory A., Ph.D., U. of California, San Diego. Asst. Prof., Pharmacology
- White, Karl K. III, D.V.M., Cornell U. Asst. Prof., Clinical Sciences
- White, Maurice E., D.V.M., Cornell U. Asst. Prof., Clinical Sciences
- Winter, Alexander J., Ph.D., U. of Wisconsin. Prof., Clinical Sciences/Microbiology
- Wootton, John F., Ph.D., Cornell U. Prof., Physiology
- Zimmer, James, Ph.D., Cornell U. Asst. Prof., Clinical Sciences

