

VETERINARY TECHNOLOGY (V T)

V T 51 • INTRODUCTION TO VETERINARY TECHNOLOGY

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Advisory:	Not open to students with credit in APAV 51.
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Introduction to the profession of veterinary technology and a career exploration of veterinary medicine. Orientation to the program requirements and curriculum. Overview of program structure and student services. Review and practice of library skills. Prerequisite course for several courses in the Foothill Veterinary Technology Program. Survey of employment opportunities and areas of specialization. Ethics and professionalism. Laws and regulations governing veterinary technicians. Introduction to basic animal care skills and clinical procedures.

V T 51A • FRESHMAN SEMINAR

Units:	1
Hours:	1 lecture per week (12 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Provides enrichment of the core curriculum of the Veterinary Technology Program. Students will develop or improve study skills, time management, professionalism, communication, and conflict resolution. Lectures, discussion, and workshop format. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 51B • CURRENT TOPICS IN VETERINARY TECHNOLOGY II

Units:	1
Hours:	12 lecture per quarter (12 total per quarter) This is a 6 week course - 2 hours lecture per week.
Advisory:	Not open to students with credit in V T 50B.
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable
Formerly:	V T 50B

Provides enrichment of the core curriculum of the Veterinary Technology Program. Presenters will include veterinarians, veterinary specialists, veterinary technicians, animal care management professionals, and educators. Lectures, lecture-demonstrations, multimedia presentations, and live demonstrations, by professionals in veterinary medicine. Content consists of relevant topics related to concurrent coursework. Presenters or topics are in a specialty that will help to introduce or develop interest in that specialty. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 51C • SERVICE LEARNING & LEADERSHIP FOR VETERINARY NURSES

Units:	1
Hours:	1 lecture per week (12 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Provides enrichment of the core curriculum of the Veterinary Technology Program. Students will participate in a service learning activity of their choosing within the veterinary field. Students will have lectures on service learning activities and opportunities. Students will explore different ways of being leaders, in preparation for success in a professional environment. Students will reflect over their school year and create summer study guides to increase student success. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 51D • SENIOR SEMINAR

Units:	1
Hours:	1 lecture per week (12 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Provides enrichment of the core curriculum of the Veterinary Technology Program. Students will focus on senior year time management. They will reflect on the summer study guides and continue to identify best practices for studying. They will participate in weekly instructor guided study sessions covering their core curriculum courses this quarter. They will also develop study techniques that will assist them in being successful in future quarters. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 51E • CURRENT TOPICS IN VETERINARY TECHNOLOGY V

Units:	1
Hours:	12 lecture per quarter (12 total per quarter) This is a 6 week course - 2 hours lecture per week.
Advisory:	Not open to students with credit in V T 50E.
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable
Formerly:	V T 50E

Provides enrichment of the core curriculum of the Veterinary Technology Program. Presenters will include veterinarians, veterinary specialists, veterinary technicians, animal care management professionals, and educators. Lectures, lecture-demonstrations, multimedia presentations, and live demonstrations, by professionals in veterinary medicine. Content consists of relevant topics related to concurrent coursework. Presenters or topics are in a specialty that will help to introduce or develop interest in that specialty. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 51F • CAREER EXPLORATION FOR VETERINARY NURSES

Units:	1
Hours:	1 lecture per week (12 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Provides enrichment of the core curriculum of the Veterinary Technology Program. Content consists of relevant topics related to concurrent coursework. Lectures, lecture-demonstrations, multimedia presentations, live demonstrations, or hands-on workshops presented on a weekly basis. Students will identify the path that their career will take them and will research what avenues they should take to get there. Students will also work in group settings to further strengthen their interpersonal communication skills. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 52A • VETERINARY ASSISTING I

Units:	5
Hours:	5 lecture per week (60 total per quarter)
Degree and Credit	Degree-Applicable Credit Course
Status:	
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

First in a two-course series in the theory and practice of veterinary assisting focusing on the knowledge, skills, and attitudes required for competent support to the veterinarian (DVM) and to the registered veterinary technician (RVT). Emphasis is on the practical aspects of front office management, working as part of the veterinary health care team. Entirely online and may be taken as a stand-alone class or may be combined with V T 52B and V T 88A to earn the Certificate of Achievement in Veterinary Assisting.

V T 52B • VETERINARY ASSISTING II

Units:	5
Hours:	5 lecture per week (60 total per quarter)
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Second in a two-course series in the theory and practice of veterinary assisting focusing on the knowledge, skills, and attitudes required for competent paraprofessional support to the veterinarian (DVM) and to the registered veterinary technician (RVT). Prepare for an exciting career as a veterinary assistant by learning the essential knowledge and hands-on skills. Emphasis is on the practical aspects of front office management, working as part of the veterinary health care team, basic animal care, and fundamentals of patient management under direct supervision. Entirely online and may be taken as a stand-alone class or combined with V T 52A and V T 88A to earn the Certificate of Achievement in Veterinary Assisting.

V T 53A • VETERINARY MEDICAL TERMINOLOGY

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Advisory:	Not open to students with credit in APAV 53A.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

A guided self-study of veterinary medical terminology as a fundamental communication skill. Basic word parts and rules of word construction. A review of common medical terms pertaining to the different body systems, with emphasis on those terms relevant for veterinary medicine. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 53B • MEDICAL CALCULATIONS FOR VETERINARY NURSES

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Advisory:	Not open to students with credit in APAV 53B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Applied mathematics as a fundamental communication and technical skill. Review of calculations involving fractions, decimals, ratios and proportions, unit conversions, and algebraic equations. Clinical medical calculations utilized in preparation and administration of drugs, dosage determinations, intravenous fluid infusion, and prescription dispensing. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 53C • INTRODUCTION TO LARGE ANIMAL NURSING

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	V T 54A.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Introduction to principles of husbandry and veterinary nursing care of common domestic large animal species. The economics of production medicine will be stressed. Breed identification. Common diseases as relate to husbandry. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 54A • COMPARATIVE VETERINARY ANATOMY & PHYSIOLOGY FOR THE VETERINARY TECHNICIAN

Units:	5
Hours:	4 lecture, 3 laboratory per week (84 total per quarter)
Prerequisite:	BIOL 10 or equivalent.
Advisory:	Not open to students with credit in APAV 54A.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Comparative veterinary anatomy and physiology for veterinary technicians. Clinically relevant veterinary anatomy and physiology, including a discussion of the similarities and differences among the major domestic species. Emphasis is placed on the normal structure and function of the major organ systems as the foundation for understanding pathology and the pathophysiology of disease. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 54B • COMPARATIVE VETERINARY ANATOMY & PHYSIOLOGY FOR THE VETERINARY TECHNICIAN

Units:	5
Hours:	4 lecture, 3 laboratory per week (84 total per quarter)
Prerequisite:	V T 54A.
Advisory:	Not open to students with credit in APAV 54B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Comparative anatomy and physiology for veterinary technicians. Clinically relevant anatomy and physiology of the major domestic animals and birds, and includes a discussion of the similarities and differences among the species. Emphasis is placed on the normal structure and function of the major organ systems as the foundation for understanding pathology and pathophysiology of disease. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 55 • SMALL ANIMAL NURSING I

Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Prerequisite:	BIOL 41.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Intended for the pre-clinical training of veterinary technology students. The following topics are covered: occupational health and safety, animal handling and restraint, administration of medication, venipuncture and physical exams. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 56 • SMALL ANIMAL NURSING II

Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Prerequisite:	V T 55.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Pre-clinical training of veterinary technology students in diagnostic and nursing skills. Nursing skills will include wound care and bandaging, fluid therapy principles and practice, aseptic technique. Diagnostic skills will include those common in small animal practice: blood pressure and cardiac monitoring, ophthalmic and dermatologic assessments. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 57L • ADVANCED SMALL ANIMAL NURSING

Units:	1
Hours:	3 laboratory per week (36 total per quarter)
Prerequisite:	V T 56.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Practical application of animal care skills and principles of animal care and management, integrating advanced techniques and knowledge gained through classroom instruction. Opportunity to participate in the health care team in a supervisory role with increased organizational responsibility. Emphasis on nursing care and diagnostic nursing for acute and chronic conditions. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 58L • SURGICAL ASSISTING FOR THE VETERINARY NURSE

Units:	1
Hours:	3 laboratory per week (36 total per quarter)
Prerequisite:	V T 57L.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Practical application of animal care skills and principles of animal care and management. Opportunity to participate in the health care team involved in the care, management and husbandry of program livestock, companion animals and laboratory animals. Students will also be given an introduction to anesthetic equipment, principles of aseptic technique, sanitation, disinfection and sterilization, introduction to principles of surgical nursing, basic operating room skills and instrumentation. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 60 • VETERINARY OFFICE PRACTICE

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	V T 53A.
Advisory:	Not open to students with credit in APAV 60.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Principles and practice of veterinary office management for veterinary technology students. Client relations, receptionist skills, telephone techniques, interpersonal skills, and personnel management. Generation and maintenance of correspondence, medical records, legal forms, and hospital logs. Basic bookkeeping, accounting, and financial management principles. Marketing and public relations. Professional ethics and professionalism. Use of computers for data entry, patient record management and inventory control. Use of practice management software. State and federal laws as they apply to the veterinary practice. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 61 • PATHOPHYSIOLOGY OF ANIMAL DISEASE

Units:	4
Hours:	4 lecture per week (48 total per quarter)
Prerequisite:	BIOL 41.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Pathophysiology of animal disease is presented, using a "systems" approach. Students learn mechanisms of response to disease of common domestic animals. Includes study of the common diseases of domestic animals with emphasis on the dog and cat. Emphasis is on learning how patients respond to disease and how the effective veterinary technician assesses and intervenes to benefit the patient. Topics include: etiology, pathogenesis, clinical signs, diagnostics, and nursing management of selected diseases. Principles of vaccination, disease prevention, public health, client education, and zoonosis. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 66 • EXOTIC ANIMAL CARE

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	V T 54B.
Advisory:	One of the following: ENGL 1A or 1AH or ESLL 26 or equivalent.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Basic understanding of the care, husbandry, clinical procedures, and medical concerns of rabbits, ferrets, guinea pigs, chinchillas, small rodents, birds, snakes, lizards, turtles. Emphasis on clinically relevant materials and activities. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 70 • FUNDAMENTALS OF VETERINARY DIAGNOSTIC IMAGING

Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Prerequisite:	V T 54B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Introduction to the principles of veterinary radiography and ultrasonography for veterinary technician students, including radiographic and ultrasonographic terminology. Physics of X-ray and ultrasound production and interaction with matter. Explanation of MRI, CT, and nuclear medicine appropriate to the veterinary technician. Occupational safety and radiation protection. Proper use and maintenance of standard and digital X-ray equipment. Radiographic exposure factors, technique chart development and usage, and patient positioning required for production of diagnostic radiographs. Processing of radiographic film. Discussion of equipment, materials and special radiographic studies common in veterinary practice. Radiographic exposure troubleshooting and common artifacts. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 70R • INDEPENDENT STUDY IN VETERINARY TECHNOLOGY

Units:	1
Hours:	3 laboratory per week (36 total per quarter)
Advisory:	Student should have completed at least one quarter of the Veterinary Technology program, or V T 52A and 52B online, and have the permission of the faculty instructor.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Provides an opportunity for the student to expand their studies in Veterinary Assisting or Veterinary Technology beyond the classroom by working in a clinical setting to achieve specific goals agreed upon by the student, Foothill faculty, and internship supervisor. The student is required to contract with the Foothill faculty to determine the scope of assignment. This course offers the student credit for 3 hours of work in a veterinary practice setting, under supervision of a veterinarian or RVT. Students may take a maximum of 6 units of Independent Study per department.

V T 71R • INDEPENDENT STUDY IN VETERINARY TECHNOLOGY

Units:	2
Hours:	6 laboratory per week (72 total per quarter)
Advisory:	Student should have completed at least one quarter of the Veterinary Technology program, or V T 52A and 52B online, and have the permission of the faculty instructor.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Provides an opportunity for the student to expand their studies in Veterinary Assisting or Veterinary Technology beyond the classroom by working in a clinical setting to achieve specific goals agreed upon by the student, Foothill faculty, and internship supervisor. The student is required to contract with the Foothill faculty to determine the scope of assignment. This course offers the student credit for 6 hours of work in a veterinary practice setting, under supervision of a veterinarian or RVT. Students may take a maximum of 6 units of Independent Study per department.

V T 72 • PRINCIPLES OF VETERINARY DENTISTRY

Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Prerequisite:	V T 70.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Basic principles of veterinary dentistry for the veterinary technology student. Includes dental anatomy, physiology, pathophysiology, charting, and instrumentation. Techniques of routine dental prophylaxis and aspects of anesthesia specific to dental patients. Discussion of periodontal disease, modes of therapy, client education, and preventive care. Introduction to common dental disorders and dental radiography. Course includes hands-on laboratory sessions using veterinary dental equipment, models, live animal patients, and cadaver heads. Care and use of common instruments and equipment. Comparative dentistry: dental anatomy and physiology and discussion of dental diseases in a variety of domestic animals. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 72R • INDEPENDENT STUDY IN VETERINARY TECHNOLOGY

Units:	3
Hours:	9 laboratory per week (108 total per quarter)
Advisory:	Student should have completed at least one quarter of the Veterinary Technology program, or V T 52A and 52B online, and have the permission of the faculty instructor.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Provides an opportunity for the student to expand their studies in Veterinary Assisting or Veterinary Technology beyond the classroom by working in a clinical setting to achieve specific goals agreed upon by the student, Foothill faculty, and internship supervisor. The student is required to contract with the Foothill faculty to determine the scope of assignment. This course offers the student credit for 9 hours of work in a veterinary practice setting, under supervision of a veterinarian or RVT. Students may take a maximum of 6 units of Independent Study per department.

V T 73R • INDEPENDENT STUDY IN VETERINARY TECHNOLOGY

Units:	4
Hours:	12 laboratory per week (144 total per quarter)
Advisory:	Student should have completed at least one quarter of the Veterinary Technology program, or V T 52A and 52B online, and have the permission of the faculty instructor.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Provides an opportunity for the student to expand their studies in Veterinary Assisting or Veterinary Technology beyond the classroom by working in a clinical setting to achieve specific goals agreed upon by the student, Foothill faculty, and internship supervisor. The student is required to contract with the Foothill faculty to determine the scope of assignment. This course offers the student credit for 12 hours of work in a veterinary practice setting, under supervision of a veterinarian or RVT. Students may take a maximum of 6 units of Independent Study per department.

V T 75A • ANIMAL CARE SKILLS I

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	V T 51.
Advisory:	Not open to students with credit in APAV 75A.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Practical application of animal care skills and principles of animal care and management. Opportunity to participate in the health care team involved in the care, management and husbandry of program animals. Emphasis will be on the basic principles and application of clinical facility management, care of resident teaching animals, and routine maintenance duties. Topics critical to success will be discussed in lecture: dog and cat behavior, low stress handling, medical records and professionalism. Discussion of euthanasia. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 75B • ANIMAL CARE SKILLS II

Units:	2
Hours:	2 lecture per week (24 total per quarter)
Prerequisite:	V T 75A.
Advisory:	Not open to students with credit in APAV 75B (completed prior to the 2020-21 catalog year).
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Second in a series of animal care skills topics. Practical application of animal care skills and principles of animal care and management using techniques and knowledge learned in the veterinary technology courses. Students apply knowledge of medical terminology, anatomy and physiology to animal care duties. Students will create nutrition and preventive health care plans for program animals and learn how to assess pain in domestic animals. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 75C • LARGE ANIMAL SKILLS LABORATORY

Units:	1
Hours:	3 laboratory per week (36 total per quarter)
Prerequisite:	V T 75B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Third in a series of courses on animal care and handling. Focus on large animal species evaluation and nursing care. Physical examination, common procedures, and specialized equipment. Restraint, behavior, and handling of large domestic animals. Opportunity to perform skills on live animals during field trips and on campus. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 81 • CLINICAL PATHOLOGY METHODS

Units:	5
Hours:	4 lecture, 3 laboratory per week (84 total per quarter)
Prerequisite:	BIOL 41.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Fundamental studies of laboratory techniques and procedures involved in evaluating veterinary clinical samples. Areas of study include hematology, urinalysis, coagulation assessment, blood biochemistry and immunological testing, serology, clinical parasitology, and cytology. The veterinary technician's role in sample collection, sample storage and handling, and performance of analytic procedures will be emphasized. Skills are developed in the use of laboratory equipment, laboratory safety and management, and quality control and quality assurance. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 83 • PHARMACOLOGY FOR VETERINARY NURSES

Units:	4
Hours:	4 lecture per week (48 total per quarter)
Prerequisite:	V T 54B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Introduction to the basic principles of veterinary pharmacology. Preparation and dispensing of medications. Overview of the actions and interactions of the major classes of drugs, with emphasis on common veterinary uses of specific drugs. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 84 • ANESTHESIOLOGY FOR TECHNICIANS

Units:	4
Hours:	4 lecture per week (48 total per quarter)
Prerequisite:	V T 83; students may also satisfy the prerequisite with at least three years of experience in a veterinary clinic or laboratory animal setting, and/or a RVT or LAT or higher.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Principles and practice of veterinary anesthesia for the veterinary technician. Anatomy and physiology of the respiratory, cardiovascular, and nervous systems relevant to anesthesia. Pharmacology, indications, contraindications, and adverse effects of common pre-anesthetic and anesthetic agents. The veterinary technician's role in patient assessment, preparation, induction, monitoring, maintenance, and recovery of anesthesia. Sedation, analgesia, general anesthesia, and local anesthesia techniques are discussed. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program, or by special permission of the instructor.

V T 84L • VETERINARY ANESTHESIA LABORATORY

Units:	2
Hours:	6 laboratory per week (72 total per quarter)
Prerequisite:	V T 58L; discussion and demonstration of ability to set up an anesthesia machine.
Corequisite:	Completion of or concurrent enrollment in V T 84.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

The veterinary technician's role in patient assessment, preparation, induction, monitoring, maintenance, and recovery of anesthesia. Sedation, analgesia, general anesthesia, and local anesthesia techniques will be practiced and/or demonstrated. Practical applications of pharmacology, including indications, contraindications and effects of common pre-anesthetic and anesthetic agents. Skills pertaining to anesthesia will be practiced. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 85 • VETERINARY EMERGENCY & CRITICAL CARE

Units:	4
Hours:	3 lecture, 3 laboratory per week (72 total per quarter)
Prerequisite:	V T 61.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade (Request for Pass/No Pass)
Repeatability:	Not Repeatable

Theoretical and practical aspects of assisting the veterinarian in the management of medical and traumatic emergencies, with an emphasis on comprehensive nursing of critical patients. Recognition and assessment of cardiovascular shock, respiratory crisis, gastrointestinal emergency, and musculoskeletal trauma. Principles and techniques of fluid therapy and administration of emergency drugs. Application of treatment protocols for shock, cardiopulmonary arrest, gastrointestinal crisis, wounds and fractures, toxicoses, and various common emergencies. Explanation of the maintenance of emergency medical equipment and supplies. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 86 • LABORATORY ANIMAL NURSING

Units:	4
Hours:	4 lecture per week (48 total per quarter)
Prerequisite:	V T 55.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Study of the husbandry, management, and nursing care of rabbits and rodents kept as both research and companion animals. Orientation to the humane and ethical use of animals in research. Discussion of the veterinary technician as an animal advocate and nurse in a biomedical research animal facility. Regulations affecting the use of animals in research are discussed. Proper methods of restraint and handling; husbandry and housing; feeding and nutrition; medical and surgical nursing techniques for the common species of laboratory animals. Introduction to diagnostic and therapeutic techniques and common diseases of laboratory animals. Appropriate anesthesia, analgesia and euthanasia methods will be discussed. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 88A • CLINICAL PRECEPTORSHIP I

Units:	2.5
Hours:	7.5 laboratory per week (90 total per quarter) This is a clinical laboratory course.
Prerequisite:	V T 52A and 52B.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Formal, structured off-campus clinical experience in licensed veterinary facilities, which serve as a means of instructing the student in practical, hands-on, clinical skills in all aspects of veterinary assisting as specified by the Association of Veterinary Technician Educators. The student is under the direct supervision of one or more licensed veterinarians and/or credentialed veterinary technicians. The site of the preceptorship is approved by the Veterinary Technology Program, in consultation with the student and the veterinary professionals. Opportunity for learning and practical application of the knowledge, skills and attitudes required of a veterinary assistant. Exposure to varied methodologies and practice philosophies in a variety of clinical settings. Emphasis is on the role of the veterinary assistant in the veterinary health care team.

V T 89 • CLINICAL INTERNSHIP I

Units:	3
Hours:	10 laboratory per week (120 total per quarter) This is a clinical laboratory course.
Prerequisite:	V T 55 and 56.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Off-campus practical clinical work experience in veterinary facilities supervised by licensed veterinarians and registered veterinary technicians. Integration into a veterinary health care team and exposure to varied methodologies and practice philosophies in a variety of clinical settings. Practical application of knowledge, skills, and attitudes acquired in the first year program course work: clinical application of anatomy and physiology; medical terminology and medical math; chemistry and microbiology; interpersonal skills and office practices. Supervised hands-on training in basic medical and surgical nursing. Opportunity to practice and attain entry-level competency in essential clinical skills. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 91 • CLINICAL INTERNSHIP II

Units:	3
Hours:	10 laboratory per week (120 total per quarter) This is a clinical laboratory course.
Prerequisite:	V T 89.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Off-campus practical clinical work experience in veterinary facilities supervised by licensed veterinarians and veterinary technicians. Students begin to follow directions from doctors and staff with increasing independence and exhibit good judgment and critical thinking skills. Second quarter interns are typically enrolled in pharmacology, animal diseases and diagnostic imaging. The student must start to integrate and apply the knowledge and skills from these areas of learning into their practice at the internship site. This course documents the 115 hours of practical work experience in a veterinary medical clinical setting required for the students. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 92 • CLINICAL INTERNSHIP III

Units:	3
Hours:	10 laboratory per week (120 total per quarter) This is a clinical laboratory course.
Prerequisite:	V T 91.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Off-campus practical clinical work experience in veterinary facilities supervised by licensed veterinarians and registered veterinary technicians. Students must assume more responsibility, act independently with more confidence and proficiency, apply principles of critical thinking to clinical practice and troubleshoot with confidence and good judgment. Practical application of knowledge, skills, and attitudes acquired in the concurrent second year program course work. The student assumes more responsibility for radiology and clinical pathology, medical nursing and common clinical procedures. Emphasis on developing competencies around dentistry, emergency medicine, and nursing assessments. This course meets the 115 hours of practical work experience in a veterinary medical clinical setting required for the students. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 93 • CLINICAL INTERNSHIP IV

Units:	3
Hours:	10 laboratory per week (120 total per quarter) This is a clinical laboratory course.
Prerequisite:	V T 92.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Off-campus practical clinical work experience in veterinary facilities supervised by licensed veterinarians and registered veterinary technicians. High-level practical application of knowledge, skills, and abilities acquired in the concurrent second year program course work. In addition to competently performing all essential clinical skills and duties delegated to the veterinary technician, the student will begin to take responsibility for client education, development of patient care plans, providing nursing care to critical care and emergency patients, performing advanced sampling techniques, conducting special diagnostic studies and performing more complex therapeutics. This course meets the 115 hours of practical work experience in a veterinary medical clinical setting required for the students. Intended for students in the last quarter of the Veterinary Technology Program; enrollment is limited to students accepted in the program.

V T 95 • VETERINARY TECHNICIAN PROFICIENCY

Units: 2

Hours: 2 lecture per week (24 total per quarter)

Degree and Credit Degree-Applicable Credit Course

Status:

Foothill GE: Non-GE

Transferable: CSU

Grade Type: Letter Grade Only

Repeatability: Not Repeatable

Review of AVMA domains in preparation for the Veterinary Technician National Examination. Guided review and discussion of exam application process. Intended for students in the Veterinary Technology Program; enrollment is limited to students accepted in the program.