

APPRENTICESHIP: VETERINARY ASSISTING (APAV)

APAV 50A • CURRENT TOPICS IN VETERINARY TECHNOLOGY I

Units:	1
Hours:	12 lecture per quarter (12 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.

Degree and Credit Status: Degree-Applicable Credit Course

Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

This course is the first in a series of three courses that orient the advanced veterinary assisting apprentice to the workplace. Different aspects of the veterinary health care team will be discussed, as well as the various roles available in the organization. Different departments will present their interests, core values, and structure for integrating veterinary assistants into the team. Students will develop an appreciation of the broad scope of careers within the field. An acculturation process of the student to the facility begins in this course.

APAV 50B • CURRENT TOPICS IN VETERINARY TECHNOLOGY II

Units:	1
Hours:	12 lecture per quarter (12 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.

Degree and Credit Status: Degree-Applicable Credit Course

Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Provides enrichment of the core curriculum to the veterinary assisting apprentice student. Presenters will include veterinarians, veterinary technicians, and animal care and management professionals involved in behavior and training of dogs and cats. Course will focus on learning theory, animal welfare, making the veterinary hospital experience less stressful and more pleasurable, decrease learned procedure aversion and fear of veterinary offices, and decrease of injuries to professionals.

APAV 50C • CURRENT TOPICS IN VETERINARY TECHNOLOGY III

Units:	1
Hours:	12 lecture per quarter (12 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.

Degree and Credit Status: Degree-Applicable Credit Course

Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Provides enrichment of the core curriculum to the advanced veterinary assisting apprentice. Presenters will include veterinarians, veterinary technicians, business professionals, and educators. Lectures, lecture-demonstrations, multimedia presentations, live demonstrations, or hands-on workshops presented by the instructor or professionals in veterinary medicine. Content consists of relevant topics related to the workplace and concurrent coursework in the program curriculum, with an emphasis on clinical pharmacology and client education topics.

APAV 51 • INTRODUCTION TO VETERINARY TECHNOLOGY

Units:	2
Hours:	24 lecture per quarter (24 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.

Advisory: Not open to students with credit in V T 51.

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 profession of veterinary technology. Orientation to the program requirements and curriculum. Overview of program structure and student services. Review and practice of library skills. Survey of the role of the veterinary assistant and registered veterinary technician in the workplace. Survey of employment opportunities and areas of specialization. Ethics and professionalism pertaining to veterinary medicine. Laws and regulations governing veterinary technicians. Introduction to basic animal care skills and clinical procedures.

APAV 53A • MEDICAL TERMINOLOGY

Units:	2
Hours:	24 lecture per quarter (24 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in V T 53A.
Degree and Credit Status:	Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	CSU
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Focus on basic word parts and rules of word construction to learn the language of medicine. Translation of common medical terms pertaining to the different body systems, with emphasis on those terms particular to veterinary medicine. Application of language to clinical situations.

APAV 53B • MEDICAL CALCULATIONS

Units:	2
Hours:	24 lecture per quarter (24 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in V T 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.

APAV 54A • COMPARATIVE VETERINARY ANATOMY & PHYSIOLOGY FOR THE VETERINARY TECHNICIAN

Units:	5
Hours:	48 lecture, 36 laboratory per quarter (84 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in 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

The first of two courses in comparative veterinary anatomy and physiology for veterinary technicians. Clinically relevant veterinary anatomy and physiology. Discussion of the similarities and differences among the major domestic species. The first course introduces basics of chemistry to help the student interpret the physical and chemical basis of life. Systems included in the first course are: integumentary, muscles, skeletal, and cardiovascular. Emphasis is placed on the normal structure and function of the major organ systems as the foundation for understanding normal physiology and the pathophysiology of disease.

APAV 54B • COMPARATIVE VETERINARY ANATOMY & PHYSIOLOGY FOR THE VETERINARY TECHNICIAN

Units:	5
Hours:	48 lecture, 36 laboratory per quarter (84 total per quarter)
Prerequisite:	APAV 54A; per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in 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

The second of two courses in comparative veterinary anatomy and physiology for veterinary technicians. Clinically relevant veterinary anatomy and physiology. Discussion of the similarities and differences among the major domestic species. Systems included in this course are: respiratory, gastrointestinal, neurologic, endocrine, reproductive, and urinary. The differences between avian and mammalian anatomy and physiology is discussed. Emphasis is placed on the normal structure and function of the major organ systems as the foundation for understanding normal physiology and the pathophysiology of disease.

APAV 55 • ANIMAL MANAGEMENT & CLINICAL SKILLS I

Units:	4
Hours:	36 lecture, 36 laboratory per quarter (72 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
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 nursing training of advanced veterinary assisting apprenticeship students. The following topics are covered: occupational health and safety, dog and cat handling and restraint, administration of medication, assessing dehydration and basic fluid administration, principles of aseptic technique, sanitation, disinfection and sterilization, introduction to principles of surgical nursing and instrumentation.

APAV 56 • ANIMAL MANAGEMENT & CLINICAL SKILLS II

Units:	4
Hours:	36 lecture, 36 laboratory per quarter (72 total per quarter)
Prerequisite:	APAV 55; per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
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. Survey of basic responsibilities and technical duties of veterinary technicians. Clinical nutrition and feeding of the dog and cat. Basic principles of wound healing. Basic electrocardiography. Venipuncture for catheter placement, blood collection, and intravenous administration of fluids and medications. Troubleshooting of intravenous catheter set-ups. Bandaging and splinting. Introduction to anesthesia: stages of anesthesia, components of anesthetic equipment. Introduction to basic operating room skills and procedures.

APAV 60 • VETERINARY OFFICE PRACTICE

Units:	2
Hours:	24 lecture per quarter (24 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in V T 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 nursing students. Client relations, telephone techniques, interpersonal skills, and team dynamics. Generation and maintenance of correspondence, medical records, legal forms, and hospital logs. Professional ethics and legal boundaries of the veterinary health care team. Facility management utilizing traditional and electronic media and appropriate veterinary medical terminology and abbreviations. Resume writing and interviewing techniques. Principles of inventory control. Use of practice management software. State and federal laws as they apply to the veterinary practice.

APAV 75A • ANIMAL CARE SKILLS I

Units:	1
Hours:	36 laboratory per quarter (36 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in V T 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 husbandry and management of companion animals in a hospital and shelter environment. Emphasis will be on the basic principles and application of clinical facility management, care and behavior of hospitalized patients, routine maintenance duties, and euthanasia, grief and pet loss support.

APAV 75B • ANIMAL CARE SKILLS II

Units:	1
Hours:	36 laboratory per quarter (36 total per quarter)
Prerequisite:	Per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
Advisory:	Not open to students with credit in 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

Practical application of animal care skills and principles of animal care and management using techniques and knowledge learned in the veterinary technology classes. Students expand their animal care knowledge, skills, and abilities to include skills needed to be successful applying clinical diagnostics in the workplace. Students are expected to apply knowledge of medical terminology, anatomy and physiology to animal care duties. There is an emphasis on professional behavior, medical record keeping, and clinical procedures with dogs and cats.

APAV 81 • CLINICAL PATHOLOGY METHODS

Units:	5
Hours:	48 lecture, 36 laboratory per quarter (84 total per quarter)
Prerequisite:	APAV 55; per California Code of Regulations, this course is limited to students admitted to the Advanced Veterinary Assisting Apprenticeship Program.
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.