

COURSE OUTLINE**Course:** 10255 ANIMAL HEALTH CARE**Total Course Hours:** 360.00**CBEDS Title:** ANIMAL SCIENCE**CBEDS #:** 4020**Job Title(s):**

Kennel Attendant, Vet Assistant, Groomer, Pet Store Sales Associate, Animal Caretaker

Prerequisites:

16 years old or a junior in high school

Course Description:

This course will provide training in the following areas: anatomy, disease control, disease and laboratory testing, animal systems, animal health technology, general nutrition, animal housing and hygiene, clinical laboratory procedures, animal grooming, safety procedures and practices in handling of animals, and basic veterinary office procedures. The student will obtain the basic skills necessary to prepare for entry-level employment in the area of animal health care occupations and have the opportunity to apply learning in a community classroom setting. Integrated throughout the course are Academic and CTE standards, which include safety, communication, technology, ethics, career planning and other employability skills.

Hours	
Class	OJT

Occupational Competencies**1-7 on the Course Outline are generic to all BVROP courses and include the BVROP Student Outcomes**

3.00	
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1 ORIENTATION

- A Identifies and discusses course objectives and competencies.
- B Discusses ROP Student Outcomes.
- C Explains class attendance and behavior objectives.

10.00	5.00
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2 HEALTH, SAFETY AND ENVIRONMENTAL MANAGEMENT

- A Describes accident procedure.
- B Demonstrates appropriate safety practices (e.g. bending, lifting, etc.).
- C Demonstrates knowledge of classroom procedures and drills (e.g. earthquake, fire and emergency).
- D Describes customer / employee accident procedures.
- E Demonstrates and practices safety regulations.
- F Demonstrates knowledge of classroom procedures and drills.
- G Disposes of syringes and other contaminated waste according to regulations.
- H Properly dilutes/stores all disinfecting/cleaning solutions.
- I Gives proper and immediate attention to excrement and wet floors.
- J Lifts and transports animals and supplies following prescribed procedures.
- K Keeps all areas clean and uncluttered.
- L Identifies safety equipment and uses it correctly.
- M Follows all safety procedures required by the facilities.
- N Demonstrates the proper approach to an aggressive/fearful animal.
- O Demonstrates the proper way to secure a cage/run/exhibit door.
- P Demonstrates the understanding of Cal OSHA regulations and describes basic safety equipment and procedures.
- Q Demonstrates knowledge of safety rules by passing a safety exam with 100%.
- R Recognizes Material Safety Data Sheets.

5.00	5.00
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3 ETHICS AND LEGAL RESPONSIBILITIES

- A Defines sexual harassment and discusses tactics for handling harassment situations.
- B Applies appropriate workplace behavior and standards.
- C Explains the concept of confidentiality.
- D Explains the legal and ethical aspects of working with animals.
- E Follows all course rules (classroom and O.J.T.)

Hours	
Class	OJT

5.00	5.00
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4 LEADERSHIP AND TEAMWORK

- A Describes the characteristics and benefits of teamwork and leadership.
- B Demonstrates ability to make appropriate decisions.
- C Works well with others and gives/takes constructive criticism.

15.00	5.00
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5 CAREER PLANNING

- A Prepares a finished, professional portfolio showing the best work that has been completed during the class.
- B Locates job opportunities through the use of want-ads and placement agencies.
- C Visits at least one facility related to area of training and observes jobs performed.
- D Completes a job application correctly.
- E Prepares for and critiques a simulated employment interview.
- F Discusses employee benefits and rights as related to the specific occupational job area including gender equity and equal opportunity.
- G Identifies acceptable procedures to leave a job.
- H Applies for a scholarship.
- I Completes a professional resume.
- J Demonstrates appropriate personal grooming and dress.

10.00	5.00
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6 COMMUNICATION

- A Uses effective workplace conversation.
- B Reads and interprets written information and directions.
- C Practices various forms of written communication appropriate to the occupation.

5.00	3.00
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7 STUDENT OUTCOMES

- A Demonstrates Occupational Specific, Communication and Critical Thinking Skills
- B Demonstrates Responsible Work Ethics
- C Demonstrates Career/Employment Literacy
- D Demonstrates Effective Use of Technology

4.00	5.00
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8 TERMINOLOGY

- A Applies knowledge of medical terminology and word derivations.
- B Prepares a terminology notebook.

6.00	3.00
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9 BREEDS/SPECIES

- A Identifies common breeds of dogs including colors and traits.
- B Identifies common breeds of cats including colors and traits.
- C Identifies common species and traits of reptiles/herptiles.
- D Identifies the common equine breeds.
- E Identifies the common equine colors and patterns.
- F Identifies common species of small mammals.
- G Identifies common avian species.
- H Discusses common reptile, avian, equine, bovine, small animal and aquatic breeds/species.
- I Debates pros/cons of genetic engineering of animals, food conservation, domestic pets.

20.00	2.00
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10 ANATOMY

- A Identifies skeletal / muscle system.
- B Identifies circulatory system.
- C Identifies respiratory system.
- D Identifies renal system.
- E Identifies digestive system.
- F Identifies reproductive system.
- G Identifies nervous system.

Hours	
Class	OJT

6.00	10.00	11 <u>CLEANING AND SANITATION</u>
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- A Cleans and disinfects exam rooms properly.
- B Properly cleans and disinfects cages/enclosures/runs
- C Cleans and disinfects floors properly
- D Cleans and disinfects all work areas properly
- E Dusts and fronts merchandise correctly.
- F Cleans food and water receptacles in the correct manner.
- G Identifies cleaning tools and uses them properly.
- H Properly cleans and disinfects surgical wards following surgeries.
- I Sorts, washes, dries and folds laundry according to instructions.
- J Cleans/changes and disinfects litter boxes correctly.
- K Identifies and explains the importance of FDA, DEA, and government regulations.
- L Categorizes cleaning agents and disinfectants.
- M Describes appropriate uses of cleaning solutions and tools.
- N Explains isolation principals and bio-security techniques.

6.00	4.00	12 <u>IMMUNOLOGY/VACCINATIONS</u>
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- A Describes vaccination programs (schedules for dogs and cats).
- B Demonstrates understanding of the vaccination requirements at the facility.
- C Describes the importance of regular vaccinations.
- D Explains the basic principle of immunology.
- E Demonstrates the proper use of hypodermic needles and syringes.
- F Identifies the vaccinatable diseases of felines and canines.
- G Compiles canine and feline vaccinatable disease chart.
- H Creates and presents and immunology team project.

6.00	6.00	13 <u>LABORATORY PROCEDURES</u>
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- A Identifies common lab equipment.
- B Demonstrates proper use and care of equipment.
- C Sets up, reads and logs fecal tests and site tests (parvo, heartworm, FeLV/FIV, etc).
- D Categorizes common lab equipment; explains their uses and proper care
- E Performs a fecal exam.

3.00	10.00	14 <u>DISEASE RECOGNITION</u>
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- A Identifies the obvious symptoms of common diseases/disorders.
- B Identifies common abnormalities of the ears, eyes, anal sacs and skin.

6.00	5.00	15 <u>PARASITES</u>
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- A Identifies common Endo and Ecto parasites.
- B Presents basic education and information on Endo and Ecto parasites (transmission, appearance, elimination, and prevention).
- C Explains methods of sanitation to prevent the spread of parasites.
- D Discusses the effect, symptoms, transmission, treatment/prevention and life cycles of the common endo and ectoparasites.
- E Designs endo and ectoparasite charts.
- F Creates and presents a team parasitology project.

Hours	
Class	OJT

6.00	3.00	16 <u>NUTRITION AND DEVELOPMENT</u>
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- A Properly feeds and waters dogs/cats.
- B Defines and discusses NPO.
- C Identifies prescription diets.
- D Discusses proper nutritional requirements for all life stages.
- E Recognizes the different foods and their nutritional differences.
- F Identifies the nutritional requirements of puppies and kittens/adult cats and dogs/geriatric cats and dogs.
- G Discusses the nutritional requirements of reptiles, avian, equine, bovine, small animals and aquatics.
- H Discusses prescriptions and special diets
- I Classifies the six nutrient areas and explains their importance

3.00	2.00	17 <u>BASIC HUSBANDRY PRACTICES</u>
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- A Describes what a new puppy or kitten owner needs to purchase.
- B Explains proper set-up and care for fresh water aquariums
- C Explains proper set-up and care for a saltwater aquarium
- D Explains basic canine husbandry practices.
- E Explains basic feline husbandry practices.
- F Explains basic equine husbandry practices.
- G Explains basic bovine husbandry practices.
- H Explains correct husbandry for common herptiles.
- I Explains correct husbandry for common small mammals.
- J Explains correct husbandry for common avian species.
- K Describes new aquarium set-up.

5.00	2.00	18 <u>AQUATIC ANIMAL CARE AND MAINTENANCE</u>
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- A Demonstrates proper procedure for cleaning aquariums.
- B Properly removes fish from aquariums for transport.
- C Properly feeds fish.
- D Identifies common species of fresh water fish.
- E Identifies common species of salt water fish.
- F Identifies requirements and compatibility of various aquatic species.
- G Identifies common aquatic plants.

5.00	2.00	19 <u>EXOTIC ANIMALS, CONSERVATION AND ECOLOGY</u>
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- A Discusses the worlds biomes and bio-diversity
- B Discusses the importance of conservation of our natural resources.
- C Examines the role of zoos, aquariums and wildlife research facilities play in conservation; past, present and future.
- D Examines the plight of endangered species, describes some of the reasons for their endangered status, and discusses ways we can help them.
- E Describes the significance of enviromental relationships.
- F Composes and presents an endangered species speech.
- G Makes use of computer research by completing an Internet Zoology assignment.
- H Completes Conservation Team Assignment.
- I Completes zoo exploration assignment.

Hours	
Class	OJT

10.00	5.00	20 <u>ZOOLOGY</u>
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- A Demonstrates proper restraint techniques for exotic species (can be simulated).
- B Demonstrates proper behavior (body language) for each species.
- C Correctly feeds and waters all exotic (zoo) species.
- D Identifies reptile species by both common and scientific names.
- E Classifies reptile species (kingdom, phylum, order, family, genus, etc.).
- F Identifies aquatic species by both common and scientific names.
- G Classifies common exotic species by both common and scientific names.
- H Identifies common exotic (zoo) species including colors and traits.
- I Describes the importance of behavioral enrichment in captive animals.
- J Develops and practices proper behavioral enrichment routines.
- K Explains correct husbandry for several families of exotic animals.
- L Properly prepares diets for all animal species.

6.00	5.00	21 <u>ANIMAL ASSISTED THERAPY</u>
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- A Demonstrates understanding of animals as aids for the physically disabled.
- B Examines the effects of animals as therapy aids.
- C Identifies the qualities needed in a therapy animal.
- D Examines the cultural differences in animal care.
- E Analyzes the human/animal bond by completing a project.

5.00	5.00	22 <u>BASIC PATIENT CARE</u>
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- A Identifies normal reading for temperature, pulse and respiration.
- B Identifies and expresses anal glands.
- C Performs nail trims on birds, small mammals and reptiles.

9.00	7.00	23 <u>HANDLING AND RESTRAINTS</u>
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- A Identifies various animal behaviors (aggressive, submissive, fear biters, etc.)
- B Explains and performs proper restraint procedures for aggressive animals.
- C Restrains a dog and cat effectively for a routine exam.
- D Effectively restrains a dog for cephalic and jugular venipuncture.
- E Effectively restrains a cat for lateral and jugular venipuncture.
- F Carries a cat properly
- G Puts a leash on a dog and walks it.
- H Properly removes a cat from a pet carrier.
- I Properly places a cat into a pet carrier
- J Passes the Handling and Restraint Exam with at least 75.0%
- K Properly restrains a dog/cat for grooming/toe nail trim

3.00	4.00	24 <u>PET ANIMAL HANDLING AND CARE</u>
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- A Properly handles/restrains small mammals (rat, mouse, hamster, rabbit, etc.)
- B Properly handles/restrains birds
- C Properly handles/restrains reptiles
- D Properly feeds and waters birds
- E Properly feeds and waters small mammals
- F Properly feeds and waters reptiles

Hours	
Class	OJT

5.00	5.00
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25 MEDICAL NURSING

- A Takes and records the temperature of dogs and cats.
- B Weighs animals and correctly records weight.
- C Correctly prepares vaccine for injection.
- D Properly administer sub-Q injections.
- E Removes sutures.
- F Demonstrates the proper administration of otic medication (ointment and drops).
- G Demonstrates the proper administration of oral medication (tablet, capsule and liquid).
- H Observes an examination including client, veterinarian and patient.
- I Observes history taking by a veterinarian or technician.
- J Discusses (following exam) and observes client education.
- K Discusses examination room procedures (before and after) the exam.
- L Observes and discusses various bandaging techniques.

6.00	5.00
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26 SURGICAL NURSING

- A Demonstrates the knowledge of asepsis and surgery room conduct (sterile vs. non-sterile field).
- B Restrains for endotracheal intubation.
- C Demonstrates surgical patient prep (clip and scrub).
- D Properly opens a surgical pack.
- E Observes a complete routine surgery.
- F Demonstrates proper patient monitoring (prior to, during and post anesthesia).
- G Explains pre-anesthetic recommendations.
- H Categorizes basic medical and surgical instruments and supplies.
- I Explains surgical patient preparation.
- J Explains the healing of lacerations.

3.00	10.00
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27 INSTRUMENTS AND STERILIZATION

- A Identifies exam room instruments and equipment.
- B Identifies back office instruments and equipment.
- C Identifies surgical instruments and equipment.
- D Prepares surgical packs.
- E Properly loads, sets and runs an autoclave.
- F Dilutes and changes the solution in cold packs.

3.00	4.00
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28 EMERGENCY PROCEDURES

- A Identifies emergency equipment and supplies.
- B Demonstrates proper conduct during an emergency.
- C Identifies an emergency situation (can be simulated or discussed).

3.00	5.00
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29 PHARMACY SKILLS/MEDICINE/HEALTH PRODUCTS

- A Identifies pharmacy areas and the methods in which the medication is grouped.
- B Properly fills prescriptions and type labels.
- C Identifies the purpose of the various health products sold by the facility and know their use.
- D Explains the five schedules of controlled substances and their common use.
- E Defines terms and abbreviations relating to general pharmacy.

2.00	5.00
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30 RADIOLOGY

- A Identifies x-ray equipment.
- B Identifies safety equipment and procedures.
- C Demonstrates patient positioning for various radiographic views (thoracic, abdominal and extremities).
- D Develops radiographs.

Hours	
Class	OJT

10255 ANIMAL HEALTH CARE

4.00	7.00
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31 OFFICE PROCEDURES/SKILLS

- A Fills out and maintains daily records (health, grooming, medication, feeding, etc.)
- B Demonstrates the proper use of the telephone.
- C Correctly schedules appointments.
- D Prepares and files laboratory records correctly.
- E Properly files client records.
- F Obtains accurate non-medical information.
- G Correctly prepares client/patient records.
- H Correctly reads and fulfills patient record instructions.
- I Explains rules regarding the confidentiality of all records.
- J Properly fill out forms (health certificate, vaccination certificate, spay/neuter certificate, etc.).
- K Demonstrates proper alpha filing.
- L Describes computer use in a clinic/hospital.

3.00	10.00
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32 CLIENT/CUSTOMER SERVICE

- A Marks and stocks shelves according to instructions.
- B Assists customers and clients.
- C Applies understanding of customer/client relations.
- D Applies the use of open-ended questions when working with the customer.
- E Admits pets to facility.
- F Releases pets to owners.
- G Greets customers/clients properly.
- H Discusses techniques for handling the difficult/angry customer.

4.00	6.00
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33 GROOMING

- A Properly bathes dogs/cats
- B Properly brushes dogs/cats
- C Properly flea dips or applies topical parasite control to a cat/dog.
- D Properly plucks/clips dog ears
- E Clips nails on dogs/cats properly.
- F Properly cleans out ears
- G Demonstrates proper use, care and maintenance of grooming equipment.
- H Identifies grooming tools and knows their use
- I Identifies the grooming products sold by the facility

TOTAL HOURS

Class	OJT	Course
195.00	165.00	360.00