

THE CENTER FOR CAREER AND TECHNOLOGY EDUCATION

Course Syllabus 2020-2021

<u>EPISD Course Title:</u>	Senior Year- Veterinary Assistant 2
<u>EPISD Course Number:</u>	HT410Y1- Advanced Animal Science (<i>prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production; Veterinary Medical Applications</i>) HT400Y2- Practicum in Agriculture (<i>prerequisite: NONE</i>) HT4550Y1- Scientific Research Development (<i>prerequisite: Biology, Chemistry, Integrated Physics, and Chemistry (IPC), or Physics</i>)
<u>EPISD Course Description:</u>	This program provides training in the Veterinary Assistant field. The students will experience hands-on work with various small, companion animals. The first year of the program includes: Animal Handling and Restraint, Health & Safety, CPR, Surgical Preparation, Comparative Anatomy and Physiology, Veterinary Medical Terminology, Infectious Diseases and Vaccinations, Identification of veterinary instruments and equipment, Veterinary Laws and Ethics, Veterinary Office Procedures and the opportunity to participate in FFA and HOSA.
<u>CCTE Instructor:</u>	Mr. Ricky Pendell, M.S. & Dr. Dominique Nehring
<u>CCTE Instructor Contact Information:</u>	Email: dnehring@episd.org and ricky.pendell@episd.org Phone: 915-236-7900 Cell: Office Hours (Conference Time) 12:15-12:45 pm OR by appointment Twitter: @CCTE_AgVetTech1 Website: https://www.episd.org/Page/3358 OR http://domnehring.wixsite.com/cctevettech

Program Overview
Veterinary Assistant II

<i>1st Grading Period (1st 9 Weeks):</i>	<i>2nd Grading Period (2nd 9 Weeks):</i>
<p><u>Standards Covered:</u></p> <p><u>Advanced Animal Science</u> Weeks 1-5 Large Animal Anatomy, Vital Signs Week 6 Animal Behavior Week 7 Digestive Systems Week 8 Feeds and Feeding Weeks 9-13 Reproduction, Genetics, Breeding, Artificial Insemination, Embryo Transfer, Cloning, Pregnancy and Palpation, Parturition</p> <p><u>Practicum in Agriculture</u> Week 1- Intro to Clinics Week 2- Intro to Clinics Week 3- Intro to Clinics Week 4- SAE Weeks 5-18 Certified Veterinary Assistant Exam Review (Use of review materials, Small Animal Management Review, Veterinary Medical Apps Review, Physiology and Anatomy Review). Critical that students independent study along with guided materials in order to pass Certified Veterinary Medical Assistant Exam*. *Date is Tentative upon completion of 500 hours of supervised experience (300 signed by veterinarian, 200 by Pendell) *Clinic Evaluations by Dr. Nehring and Mr. Pendell</p>	<p><u>Standards Covered:</u></p> <p><u>Advanced Animal Science</u> Week 14 Animal Diseases, Parasites, Pharmaceuticals Week 15 Large Animal Selection, Conformation Week 16 Slaughter and Processing Weeks 17-18 Reserved for Tentative Schedule Changes and Exams</p> <p><u>Soft Skills</u></p> <ul style="list-style-type: none"> • October- Ethics & Professionalism • November- Attire & Etiquette • December- Confidence & Self-Management Skills <p><u>FFA LDE's and SDE's</u></p> <ul style="list-style-type: none"> • Chapter Conduction • Creed Speaking • Skills Demonstration • Parliamentary Procedure (Required By FFA Officers) • Entomology • Poultry Judging <p><u>HOSA</u></p> <ul style="list-style-type: none"> • Veterinary Science Competition
<p><u>Scientific Research & Design</u></p> <p><u>Weeks 1-18</u> Requirements -Weekly Clinical Journals -3 week case study presentation -CVA Form Documentation From Supervising Veterinarian -9 week Clinical Case Study Project Presentation</p>	<p><u>Standards Delivered/Assessed:</u> <i>The student determines nutritional requirements for ruminant and non-ruminant animals. The student evaluates an animal's health during a clinical examination. The student evaluates animal diseases and identifies internal, external, and protozoal parasites. The student researches current topics in veterinary medicine. The student communicates the importance of medical terminology. Student identifies animal pests and diseases and methods of control. Student compares and contrasts issues affecting the equine industry.</i></p>

HOSA

- Veterinary Science Competition

Standards Delivered/Assessed:

Students will acquire knowledge and skills related to small animals and the small animal management industry. Students will demonstrate professional standards/employability skills as required by business and industry. Student describes the importance of responsible small animal ownership. The student explores the area of animal management as it relates to animal identification, animal characteristics, and behavioral temperament. The student investigates the body systems and gains a working knowledge of each system's purpose and functions and how each system is affected by disease. Student analyzes equine science as it relates to the selection of horses. Students will know how to provide proper nutrition. Student will be able to describe the anatomy and physiology of horses, including the skeletal, muscular, respiratory, reproductive, and circulatory systems; and explain methods of maintaining horse health and soundness.

3rd Grading Period (3rd 9 Weeks):

Field Laboratory Investigations

- ☐ Determining the needs of an animal

Scientific Method

- ☐ Observation
- ☐ Hypothesis
- ☐ Procedure
- ☐ Experiment
- ☐ Data
- ☐ Conclusion

Goats

- ☐ The Ruminant animal
- ☐ Housing
- ☐ Nutrition
- ☐ Comparative Anatomy
- ☐ Diseases and Syndromes of Goats

Chickens

- ☐ Comparative Anatomy of Poultry
- ☐ Poultry Housing
- ☐ Diseases Of Poultry

Cattle

- ☐ Ruminant Anatomy
- ☐ Housing
- ☐ Cattle Diseases
- ☐ Ethical Concerns

Horses

- ☐ Horse Anatomy
- ☐ Best Practices
- ☐ Tack and Trade of Horses
- ☐ Housing Concerns
- ☐ Horses In History
- ☐ Diseases Of Horses

Supervised Agricultural Experience (SAE)

- ☐ Exploratory
- ☐ Research
- ☐ Entrepreneurship
- ☐ Placement

Soft Skills

- **January-** Communication Skills & Verbal/Nonverbal Communication
- **February-** Speaking Skills & Listening

FFA Community Service

- Kidz, Kowz & More
- Los Compadres Horse Therapy

4th Grading Period (4th 9 Weeks):

Certified Veterinary Assistant Review

General Veterinary Assistance

- Veterinary Facility Cleanliness
- Health Hazards
- zoonotic Disease
- Human-Animal Bond

Veterinary Exam Procedures

- Lifting and Restraint
- Transporting Animals
- Safety In Exam Area

Veterinary lab Procedures

- Safety In Lab Area
- Fecal Collection
- Collection Of Urine Samples
- Disposal of Dead Animals

Veterinary Medical Imaging

- Safety In The Imaging Center
- Care Of Imaging Equipment

kennel/Cage/Stall

- Bathing and Dipping
- Patient Confinement
- Materials In Bedding Area
- Proper Maintenance
- Animal Restraint Equipment

Common & Exotic Animals

- Breeds Of Common Animals
- Exotic Identification

Surgical Preparation

- Cleaning Of Instruments
- Equipment Training
- Safety In Surgery Prep

Veterinary animal Nursing

- Giving Medications
- Food Preparation
- Hydrotherapy

Veterinary Pharmacy and Pharmacology

- Pharmacology
- Instrument Disposal
- Safety

Soft Skills

- **March-** Written Communication/Writing & Interviewing for Employment
- **April-** Teams & Diversity

Standards Delivered/Assessed:

The student identifies and discusses surgical-assisting procedures, skills, and objectives. The student examines various aspects of clinical hematology. The student identifies hospital procedures, skills, and objectives.

Standards Delivered/Assessed:

The student performs mathematical calculations used in veterinary medicine. The student develops a supervised agriculture experience program. The student investigates the body systems and gains a working knowledge of each system's purpose and functions and how each system is affected by disease.

ACADEMIC FOUNDATIONS

<u>Grading Scale</u>
$100 - 90 = A$
$89 - 80 = B$
$79 - 70 = C$
$69 - 0 = F$

<u>Grading Breakdown:</u>			
Within a Nine Week Period		For the Semester	
Content Engagement: Uniforms & Dress code	5%	NW1 (Summative)	45%
Content Engagement: Participation & Daily Work (Formative)	15%	NW2 (Summative)	45%
Content Understanding: Section quizzes & Labs (Formative)	40%	Semester Exam (Summative)	10%
Content Mastery: Tests & Final Evaluations (Summative)	40%		

ACADEMIC DISHONESTY

<u>Consequences for Cheating / Plagiarism:</u>
Private Teacher / Student Conference and Call to Parent/Guardian
<ul style="list-style-type: none"> 1st Infraction - Revised assignment after parent contact
<ul style="list-style-type: none"> 2nd Infraction - Invalidation of Grade (0) and referral to CCTE Administrative Team

ACADEMIC WORK (Redo's)

<u>Guidelines for Redoing Work</u>
<p>For All Activities:</p> <p>A student shall be allowed to redo assignments/tests where a grade of 70 percent was not earned. Retake opportunities must be offered by the teacher after the grade is posted. Remediation shall be encouraged before a student is allowed to redo any assignment/test that has resulted in a failing grade.</p> <p>The redo assignment/test must cover the same TEKS as the assignment/test where the student scored less than a 70 percent but does not have to be the same assignment/test.</p> <p>Teachers shall allow a student up to two additional attempts to ensure that the student achieves a passing score of 70 percent on one of the attempts. The average of the attempts shall be recorded in the gradebook as the final grade for the assignment/test.</p> <p><i>(Excerpt taken from EIA[Local])</i></p>

ACADEMIC WORK (Make Up Due to Absence)

Guidelines for Making Up Work

Students shall be permitted to make up assignments/tests after absences, including approved school-related absences. Students shall be allowed one day for each day absent to make up work and receive full credit.

(Excerpt taken from EIA[Local])

ACADEMIC Interventions

Anytime a student's grade drops a full letter grade or begins to fail a course

- Call Parent Immediately/ Schedule a PTC
- Contact CCTE Counselor Immediately for assistance
- Contact CCTE Administrator Immediately for assistance

ACADEMIC Review

CCTE's Student Performance Review Committee will meet after each 9 WK Grading Period

- Discuss student issues & intervention options
- (Review Attendance / Discipline / Work Ethic / Placement)
- (9 Week Review) CCTE Administrative Team will review outcomes for additional changes

Veterinary Assistant Program- Attendance Policy

CCTE's Student Attendance will be tallied at every 9 wk Grading Period

- Student must attend 200 hours of instructional class time. Failure to do so will render the student unable to sit for the CVA Certification exam.
- Make-up work will be accepted, but there are NO make-up days to rectify absences.
- Failure to call in present at clinics will result in an absence reported on TEAMS, regardless of actual attendance at clinical site.

Program Provided Resources:

1. *Veterinary Assisting Fundamentals & Applications Textbook & VitalSource eBook*
2. *Online instruction resources through iCEV*
3. *Certified Veterinary Assistant Manual*
4. *Breed Identification Textbooks*
5. *Veterinary Instruments & Equipment Pocket Guide by Sonsthagen*
6. *FFA Handbook*
7. *Online record book through AET*

Student Required Resources:

1. *Student issued laptop*
2. *3 ring binder with dividers*
3. *Notecards*
4. *Scrubs- can be purchased at AJ's Uniforms or Signature Medical Uniforms with a CCTE student discount*
5. *Watch with a second hand*
6. *Non-graphing calculator*

School/District Policies: Students will adhere to program policies and procedures in the campus student handbook for CCTE and EPISD Student Code of Conduct. Students should visit www.episd.org, and www.ccte.episd.org

Dress Code:

1. *Scrubs- **HUNTER GREEN***
2. *Scrubs must be worn every day to class (see Mr. Pendell for field wear for Equine Science)*
3. *Long hair must be tied up and away from the face*
4. *Long nails are not permitted, nails must be kept short and clean*
5. *Nail polish is not permitted*
6. *No facial piercings are allowed in class, field trips, competitions, or clinical rotations.*
7. *Hair must be of natural color for competitions and clinical rotations.*

Failure to adhere to the dress code may result in 5% Deduction from your Content Engagement Grade, if you are unable to participate for the day's activities. Continued failure to adhere to dress code will result in a phone call to your parent/guardian.

Required Prerequisite (Junior Year):

1. Student must be at least 16 years old
2. Student must have Biology and a second science credit, with a minimum grade of 85 or higher in Biology, and an overall GPA of 90%.
3. Student must pass Small Animal Management and or Equine Science in order to continue to 2nd semester
4. Students must pass **all** Core Competencies/Skills, with a minimum grade of 85 or higher dependent on the skill, in order to be placed in a clinical rotation senior year.

Required Prerequisite (Senior Year):

1. Student must have taken Biology, Chemistry, Integrated Physics and Chemistry (IPC), or Physics. Student must achieve a minimum grade of 85 or higher in Biology, and a 70 or higher in IPC or Physics.
2. Student must have passed Small Animal Management or Equine Science
3. Students must have passed **all** Core Competencies/Skills their junior year in order to be placed in a clinical rotation senior year.

Certified Veterinary Assistant

Students completing the Veterinary Assistant Program at CCTE may apply for Level 1 Certification as a Veterinary Assistant (CVA) through the Texas Veterinary Medical Association (TVMA).

Requirements:

- Mastering all required Level 1 material
- Verbalizing and demonstrating the hands-on skills as listed in the CVA/TVMA Skills Validation Checklist
- 500 hours of clinical experience under the supervision of a DVM or RVT (up to 200 hours may be completed under the supervision of the classroom instructor)
- Exam Application and Skill Validation Checklist completed and approved by the DVM or RVT
- Successful completion of the examination, 70% or higher
- Students are responsible for payment to take the CVA exam, current fee is \$135.00

ANIMALS on Campus

There are only two reasons animals are permitted on campus. Service animals (EPISD SPED identified dogs and miniature horses) and animals scheduled to visit the CCTE Vet Tech program. For service animals, EPISD requires that they be approved by ECB. For the Vet tech program, the owners must provide proof of vaccinations and have prior approval by appointment through the Vet Tech instructors. The instructors have the right to deny animals access if prior arrangements have not been made or if the lesson plans to not include animals. CCTE Faculty, staff and students will not have animals in the classrooms unless it is approved by administration.

Standard Operating Procedure for Classroom and Clinical Safety

Bites and Scratches

1. If a bites and/or scratches occurs in the **classroom**, the students **MUST** immediately report the incidence to the teacher. The student will be sent to the nurse for first aid. If more medical treatment is necessary, at the discretion of the nurse and the student's parent(s), then the student will proceed to a medical facility. Any incident will be reported to Animal Control.
2. If a bites and/or scratches occurs at a **clinical setting**, you **MUST** immediately report the incidence to the OSHA Safety Officer or Practice Manager for first aid. Any incident will be recorded in the OSHA log. If more medical treatment is necessary, at the discretion of the OSHA Safety Officer/Practice Manager the injured student and the student's parent(s), then the student will proceed to medical facility to receive treatment.

Radiation & Anesthesia Safety

1. You must be 18yrs of age or older in order to operate the x-ray machine
2. All student interns, within the operating field of the x-ray generator must wear appropriate PPE. Lead aprons, gloves and thyroid shields are provided by clinical site.
3. Dosimeters must also be worn whenever operating the x-ray generator.
4. Always use proper collimation and settings to reduce the amount of radiation exposure.

5. If a student is pregnant while interning at a clinical site, please inform either the teacher, Practice Manager or Hospital Owner as soon as possible. It is recommended that any pregnant student refrain from operating radiography equipment or anesthetic gasses while expecting due to the possible effects to the fetal development. If there are any additional restrictions placed on the student by their physician please bring them to the attention of the teacher, Practice Manager or Hospital Owner as soon as possible, so proper accommodations can be made.

EPISD Non-Discrimination Clause

The El Paso Independent School District does not discriminate in its educational programs or employment practices on the basis of race, color, age, sex, religion, national origin, marital status, citizenship, military status, disability, genetic information, gender stereotyping and perceived sexuality, or on any other basis prohibited by law. Inquiries concerning the application of Titles VI, VII, IX, and Section 504 may be referred to the District compliance officer, Patricia Cortez, at 230-2033; Section 504 inquiries regarding students may be referred to Kelly Ball at 230-2856.

En Español

El Distrito Escolar Independiente de El Paso no discrimina en los programas de educación o en prácticas de empleo usando el criterio de raza, color, edad, sexo, religión, origen nacional, estado civil, ciudadanía, estado militar, discapacidad, información genética, estereotipo sexual o sexualidad percibida, u otra práctica prohibida por la ley. Preguntas acerca de la aplicación del título VI, VII o IX, y la Sección 504 pueden ser referidas al oficial del distrito, Patricia Cortez al 230-2033; preguntas sobre 504 tocante a estudiantes pueden ser referidas a Kelly Ball al 230-2856.