# Animal Health Course No. 18105 Credit: 1.0

|  |  |  |  |
| --- | --- | --- | --- |
| **Student name:**  |  | **Graduation Date:** |  |

Pathways and CIP Codes: **Animal Science, Health, and Related Industries (01.0901)**

Course Description: Course imparts information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate.

Directions:The following competencies are required for full approval of this course. Check the appropriate number to indicate the level of competency reached for learner evaluation.

**RATING SCALE:**

4. Exemplary Achievement: Student possesses outstanding knowledge, skills or professional attitude.

3. Proficient Achievement:Student demonstrates good knowledge, skills or professional attitude. Requires limited supervision.

2. Limited Achievement:Student demonstrates fragmented knowledge, skills or professional attitude. Requires close supervision.

1. Inadequate Achievement:Student lacks knowledge, skills or professional attitude.

0. No Instruction/Training:Student has not received instruction or training in this area.

## Benchmark 1: Professions of Veterinary Medicine

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 1.1 | Explore the variety of career fields in the veterinary industry. |  |
| 1.2 | Identify the job benefits and requirements of jobs in the animal health industry. |  |
| 1.3 | Write a cover letter and resume for a career in the animal health industry. |  |
| 1.4 | Complete an interview with a professional in the animal health industry. |  |

## Benchmark 2: Practice Management

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 2.1 | Complete an animal identification record. |  |
| 2.2 | Demonstrate how to schedule appointments and answers phones professionally. |  |
| 2.3 | Outline the five steps of the grieving process. |  |
| 2.4 | Describe how inventory works and why it is important to maintain an efficient inventory program. |  |

## Benchmark 3: Veterinary Terminology

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 3.1 | Analyze veterinary terms to define their meanings. |  |
| 3.2 | Recognize common Greek and Latin prefixes, suffixes, and roots. |  |
| 3.3 | List abbreviations commonly used in veterinary medicine. |  |

## Benchmark 4: Safety & Sanitation

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 4.1 | List the types of hazards common in the veterinary hospital and know the organizations that regulate safety. |  |
| 4.2 | Accurately read an Safety Data Sheet (now used instead of Material Safety Data Sheet). |  |
| 4.3 | Describe the correct methods of protection given a specific animal. |  |
| 4.4 | Demonstrate proper handling/restraint procedures in animal health found on National Veterinary Science CDE Handbook. |  |
| 4.5 | Interpret a drug schedule chart. |  |

## Benchmark 5: Anatomy & Physiology

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 5.1 | Recognize common anatomical terminology. |  |
| 5.2 | Apply knowledge of veterinary anatomy through the dissection of animal specimens. |  |
| 5.3 | Describe the components and functions of the muscular skeletal system. |  |
| 5.4 | Describe the components and functions of the circulatory system. |  |
| 5.5 | Describe the components and function of the digestive systems - monogastric, hindgut fermenters, ruminants, and avians. |  |
| 5.6 | Describe the components and function the reproduction system. |  |
| 5.7 | Describe the components and function of the respiratory system. |  |
| 5.8 | Describe the components and function of the nervous system. |  |
| 5.9 | Describe the components and function of the endocrine system. |  |
| 5.10 | Describe the components and function of the renal system. |  |

## Benchmark 6: Normal Animal/Clinical Exams

### Competencies

| **#** | **DESCRIPTION** | **RATING** |
| --- | --- | --- |
| 6.1 | Demonstrate taking the temperature, pulse, and respiration on an animal. |  |
| 6.2 | List signs of normal and abnormal health of an animal. |  |
| 6.3 | Correctly operate a stethoscope, otoscope, and ophthalmoscope. |  |
| 6.4 | Perform a physical exam on an animal. |  |

## Benchmark 7: Hospital Procedures & Examinations

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 7.1 | Demonstrate proper clinical procedures in animal health found on National Veterinary Science CDE Handbook. |  |
| 7.2 | Calculate medication amounts. |  |
| 7.3 | Properly label medications. |  |
| 7.4 | Describe the process of immunity. |  |
| 7.5 | Discuss arguments for and against spaying and neutering. |  |
| 7.6 | Identify tools and equipment provided on the National Veterinary Science CDE Handbook. |  |
| 7.7 | Identify parasite/microscopic specimens on the National Veterinary Science CDE Handbook. |  |

## Benchmark 8: Principles of Disease

### Competencies

| **#** | **Description** | **RATING** |
| --- | --- | --- |
| 8.1 |  Describe the general clinical signs of an animal with a parasite infestation. |  |
| 8.2 | Diagram the life cycles of internal and external parasites. |  |
| 8.3 | Describe heartworms in canines. |  |
| 8.4 | Identify adult parasites and parasite eggs using a microscope. |  |
| 8.5 | Perform common laboratory procedures for diagnosing parasites. |  |
| 8.6 | Prepare and stain a blood film. |  |
| 8.7 | Perform a urinalysis test. |  |
| 8.8 | List ways in which disease are transmitted. |  |

## Benchmark 9: Production Practices/Animal Management

### Competencies

| **#** | **Description** | **Rating** |
| --- | --- | --- |
| 9.1 | Identify common breeds of animals on the National Veterinary Science CDE Handbook.  |  |
| 9.2 | Demonstrate various methods of animal behavior modification. |  |
| 9.3 | Discuss the common types of animal behavior displayed by different species. |  |
| 9.4 | Explain the concept of animal husbandry.  |  |

I certify that the student has received training in the areas indicated.

Instructor Signature:

For more information, contact:

CTE Pathways Help Desk

(785) 296-4908

pathwayshelpdesk@ksde.org



900 S.W. Jackson Street, Suite 102

Topeka, Kansas 66612-1212

[https://www.ksde.org](https://www.ksde.org/)

The Kansas State Department of Education does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities and provides equal access to any group officially affiliated with the Boy Scouts of America and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: KSDE General Counsel, Office of General Counsel, KSDE, Landon State Office Building, 900 S.W. Jackson, Suite 102, Topeka, KS 66612, (785) 296-3201.