JEFFERSON COLLEGE
COURSE SYLLABUS

VAT263
Equine Technology
2 Credit Hours

Prepared by:
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VAT263 Equine Technology

I. CATALOG DESCRIPTION

Prerequisites: VAT101, VAT106, VAT113, VAT114 and VAT199 with a grade of “C” or better.

2 semester hours credit

Equine Technology familiarizes the student with equine anatomy, physiology, nutrition, diseases, restraint, surgical procedures, nursing, clinical pathology, radiography, and grooming. A laboratory session is included to allow students practice of techniques learned in the classroom.

II. EXPECTED LEARNING OUTCOMES

By the end of this course the students will be exposed to all equine clinical procedures listed in the AVMA’s Veterinary Technology Essential and Recommended Skills List. Students will be provided with a basic sense of the functions of a technician in an equine veterinary practice, and will be able to safely handle and medicate animals.

III. COURSE OUTLINE

A. Topographical and Skeletal Anatomy of the Horse
B. Physical Restraint and Physical Exam
C. Nutrition, Feeding, and Basic Care
D. Injection and Oral Medication Techniques
E. Breeds, Conformation, Judging, and Aging
F. Radiology and Anesthesia
G. Nursing, Bandaging, and Surgical Assistance
H. Diseases and Common Medical Problems
I. Parasites
J. Horse Industry in the U.S., Dentistry
K. Diagnostic Procedures and Preventive Health Programs
L. Reproduction, OB Procedures, and Sheath Cleaning
M. Foal and Brood Mare Care

IV. UNIT OBJECTIVES
As recommended by the Committee on Veterinary Technician Education and Activities (CVTEA), upon completion of this course, the student will be able to:

A. Topographical and Skeletal Anatomy of the Horse
   1. Understand anatomy well enough to assist in general equine practice.

B. Physical Restraint and Physical Exam
   1. Demonstrate proficiency in physical restraint techniques.
   2. Demonstrate proficiency in performing a complete physical exam.

C. Nutrition, Feeding, and Basic Care
   1. Demonstrate knowledge of the basic nutritional requirements of horses.

D. Injection and Oral Medication Techniques
   1. Demonstrate proficiency in common injection techniques.
   2. Demonstrate proficiency in oral medication techniques.

E. Breeds, Conformation, Judging, and Aging
   1. Recognize and demonstrate knowledge of common horse breeds.
   2. Demonstrate knowledge of judging horses, conformation, and aging horses.

F. Radiology and Anesthesia
   1. Demonstrate knowledge of sedatives and general anesthetics commonly used in equine practice.
   2. Demonstrate knowledge of different techniques and practices of equine radiology.

G. Nursing, Bandaging, and Surgical Assistance
   1. Demonstrate proficiency in medical and surgical nursing for equine practice.

H. Diseases and Common Medical Problems
   1. Demonstrate knowledge of common infectious and non-infectious diseases of horses.
   2. Recognize signs of Colic and know general treatment principles.
   3. Recognize common non-infectious problems encountered in horses.

II. Parasites
   1. Demonstrate knowledge of and identify the common internal and external parasites of horses.

J. Horse Industry in the U.S., Dentistry
   1. Be familiar with the horse industry in the United States.
   2. Demonstrate knowledge of equine dentistry and equine dentistry procedures.

K. Diagnostic Procedures and Preventive Health Programs
   1. Understand disease prevention in horses.
   2. Demonstrate knowledge of common equine vaccination protocols.
L. Reproduction, OB Procedures, and Sheath Cleaning

1. Demonstrate knowledge of the equine reproduction cycle.
2. Demonstrate knowledge of equine pregnancy and parturition.
3. Demonstrate knowledge of equine sheath cleaning.

M. Foal and Brood Mare Care

1. Demonstrate knowledge of nursing/medical care of the foal.
2. Demonstrate knowledge of nursing/medical care of the brood mare.

V. METHOD(S) OF INSTRUCTION

A. Lecture: F 11:00-11:50 p.m.
B. Lab: F 12:00-1:50 p.m., 2:00-3:50 p.m.
C. Textbooks, PowerPoint Presentations, Live Animal Models for Laboratory Instruction

VI. REQUIRED TEXTS

C. Principles and Practices of Veterinary Technology, 2nd ed., Sirois
D. Diagnostic Parasitology for Veterinary Technicians, Colville

VII. REQUIRED MATERIALS

A. Required textbooks
B. Audio-visual aids
C. Handouts prepared by the Veterinary Technology instructor

VIII. SUPPLEMENTAL REFERENCES

Materials for research projects are available in Jefferson College Library and within the Veterinary Technology Department. Journals within the department are kept for student use.

IX. METHOD(S) OF EVALUATION

A. Distribution of Final Grade

90% Written Examinations and Comprehensive Final Examination
10% Laboratory Participation & Competency

Students are expected to complete the course with at least a grade of C. Students who make a grade below a C will be dropped from the program and invited to re-enroll as second year students and thus repeat the course the following year.

Any student found in noncompliance with the Jefferson College Honesty Policy as delineated in the Jefferson College and Veterinary Technology Student Handbooks will receive a grade of F regardless of concurrent academic standing.

B. Assignment of Final Letter Grades

A = 90-100
B = 80-89
ATTENDANCE POLICY

A. Student attendance is mandatory. There are no excused absences. Two classes (either lab or lecture) can be missed with no penalty. Ten or more lab or class absences result in a grade of an F for the course.

B. Students are permitted to miss one exam date with no penalty. Make up exams are taken in the Assessment Center within 3 days of the original exam. For each subsequent exam missed, the student is penalized 10% of the total value of that exam (one letter grade).

C. Failure in assigned animal care dates or failure in ANY assigned clinical duties results in the loss of one lab grade.

D. The instructor may make exceptions to this policy in certain cases, i.e., illness requiring hospitalization, death in the family, etc.

ADA STATEMENT

Any student requiring special accommodations should inform the instructor and the Coordinator of Disability Support Services (Library; phone (636) 797-3000, ext. 169).

ACADEMIC HONESTY STATEMENT

All students are responsible for complying with campus policies as stated in the Student Handbook (see Jefferson College Website)
http://www.jeffco.edu/jeffco/index.php?option=com_weblinks&catid=26&Itemid=84