JEFFERSON COLLEGE

COURSE SYLLABUS

VAT108

Clinical Applications

5 Credit Hours

Prepared by:

Charlie Roberts, RVT
Revised 12/07

John Keck, Dean of Career & Technical Education
Brenda Russell, Associate Dean of Career & Technical Education
I. CATALOG DESCRIPTION

Prerequisite: Completion of the first semester veterinary assistant program Animal Care VAT103 and The Veterinary Profession VAT102
5 semester hours credit

The Clinical Application class provides students the technical skills needed to work in the veterinary profession. The course provides comprehensive instruction on collecting samples, laboratory testing, administering medications, nutritional care, nursing care, the surgical patient, radiology and euthanasia.

II. EXPECTED LEARNING OUTCOMES

To provide strong knowledge and technical skills needed to work in a fast paced veterinary environment. This course is designed to build self confidence in the students of their abilities. The course provides many hours of hands on training in the veterinary field.

III. COURSE OUTLINE

1. Sample Collection
   A. Feces
   B. Skin Scrapings
   C. Ear Swabs
   D. Blood Collection Tube Types
   E. Blood Collection

2. Basic Anatomy

3. Laboratory Test
   A. Heartworm Tests
   B. Fecal Analysis
   C. Urine Analysis
   D. PCV, TP, CBC, Smear, Stain, Chemistry

4. Administration of Medication
   A. Topical Medication
   B. Oral
   C. Parenteral
      SQ injections
      IM injections
      SQ fluids

5. Nutrition
   A. Canine
   B. Feline
C. Feeding the Patient
D. Nutritional route alternatives

6. Nursing Care
A. Recumbent Patient
B. Eliminations
C. Fluid and Catheter Management
D. Wound Management
E. Charting Notations
F. Exercise and Socialization Requirements
G. Patient Comfort
H. Bandaging
I. Emergency Support

7. Surgical Patient
A. Patient Preparation
B. Surgical Scrub
C. Monitoring Post Surgical
D. Protecting Incisions
E. Recognizing Patient Special Needs
F. Common Surgical Procedures

8. Radiology
A. Technique Charts
B. Patient Positioning
C. Film Processing

9. Euthanasia
A. Aiding the Client
B. Grief Process
C. Follow through

IV. UNIT OBJECTIVES

Upon completion of this course the student will:

1. Sample Collection:

   Learn how to properly collect and prepare samples to perform necessary in house testing.

2. Laboratory Test:

   Become familiar with the various test and how to perform each one. Learn the various laboratory equipment used in the veterinary practice.
3. Administration of Medication:

Learn to administer medication by various methods. Become familiar with those methods and in which situation to use each method.

4. Nutrition:

Become familiar with the nutritional needs of small animals. Learn the difference in the nutritional needs of each species and the sick patient. Learn the alternative routes of providing nutritional support.

5. Nursing Care:

Learn to properly and humanely care for each individual patient. Become aware of the needs of the patient and their owner. Use proper techniques for wound, bandage and catheter management. Become comfortable with providing emergency support to the patient. Learn what to watch for in hospitalized patients and how to properly chart the observations.

6. Surgical Patient:

Become familiar with what is involved in preparing the surgical patient before the procedure. Learn how to care for the patient during and after the surgical procedure. Become familiar with all the equipment used to monitor the patient during surgery. Learn the warning signs for during and after surgery to know if the patient is having complications. Learn the most commonly performed surgical procedures and the proper names.

7. Radiology:

Learn to safely and efficiently use the radiology equipment. Become familiar with dangers of x-rays to the patient and the staff. Learn to properly position the patient for each individual radiograph. Learn how to properly handle and process the film used in the radiograph.

8. Euthanasia:

Become familiar with the grief process of the client and how to properly handle being supportive during this process. Learn to deal with euthanasia on a daily basis. Learn how to cope when losing a patient and how to support others.

V. METHODS OF INSTRUCTION

A. Text
B. Audiovisuals
C. Lecture Materials/handouts provided by instructor
D. Volunteer/Observation hours
VI. REQUIRED TEXTBOOK(S)

Tasks for the Veterinary Assistant, by Paula Pattengale  
The Dog Bible, by Mehus-Roe  
Small Animal Care and Management, 2\textsuperscript{nd} edition, by Dean M. Warren

VII. REQUIRED MATERIALS

A. Audiovisual Aids  
B. Instructional Materials Prepared by Instructor

VIII. SUPPLEMENTAL REFERENCES

Available in Jefferson College Library

IX. METHOD OF EVALUATION

A. Distribution of Final Grade

There are written examinations, homework assignments, observation hours, attendance, participation and a comprehensive final examination which will comprise the final grade. Attendance and class participation are expected of the students. The instructor reserves the right to award or detract percentage points based on student class performance and professionalism.

Students are required to perform the 30 hours of observation in order to pass this course. The student will receive an F if this requirement is not met regardless of the students academic standing.

Students are expected to complete the course with at least a grade of C. Students who make a grade below C will be dropped from the program and invited to re-enroll 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 Assistant Student Handbooks will receive a grade of F regardless of concurrent academic standing.

B. Assignment of Final Letter Grades

\begin{align*}
A &= 90-100 \\
B &= 80-89 \\
C &= 70-79 \\
D &= 60-69 \\
F &= \text{below 60}
\end{align*}
XI. 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).

XII. 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