JEFFERSON COLLEGE

COURSE SYLLABUS

VAT 256

VETERINARY HOSPITAL TECHNOLOGY II

5 Credit Hours

Prepared by
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Dean, Dr. John Keck
VAT256 VETERINARY HOSPITAL TECHNOLOGY II

1. CATALOG DESCRIPTION

Prerequisite: Completion of the first three semesters of the program 5 semester hours credit

Veterinary Hospital Technology II is a continuation of VHTI, and involves practical applications in preventative medicine and medical and surgical nursing, including pre-surgical preparation and post-surgical care of animals, induction and monitoring of anesthesia, and surgical assistance. Also included are extensive laboratory sessions to practice techniques learned in the classroom.

11. EXPECTED LEARNING OUTCOMES

To have students practice and understand the technical skills and critical thinking skills listed in the AVMA's Veterinary Technician Second Year Task List.

III. COURSE OUTLINE

Subjects covered in lecture and lab:

A. Dentistry
B. Ears, Anal Glands, Nail Care
C. Heartworm Disease
D. Ophthalmology
E. Wound Management
F. Bandaging and Splints
G. Spay, Castration, Declaw
H. Laparotomy and Cesarean Section
I. Orthopedics
J. Feline Urologic Syndrome, Urine Collection
K. Viral Gastroenteritis, Canine Distemper
L. Feline Viral Disease, Selected Zoonotic Disease
M. Tick Transmitted Disease
N. Seizure Disorders
O. Reproduction
P. Pediatrics, Vaccinations
Q. Physical Therapy, Oxygen Therapy
R. Chest and Tracheostomy Tubes
S. Parental and Enteral Feeding
T. Fecal Parasite and Ringworm
U. Gastric Dilatation Volvulus, Diabetes Mellitus, Hepatic Lipidosis

IV. UNIT OBJECTIVES

By the end of this course the student should be able to:
A. Dentistry

Perform basic dental prophylaxis, as well as simple extractions.

B. Ears, Anal Glands, Nail Care

Understand canine and feline ear, anal gland, and nail care.

C. Heartworm Disease

1. Understand heartworm disease.
2. Provide accurate client information about Diroflaria life-cycle, transmission of and prevention of canine heartworm disease.
3. Run various heartworm assays.
4. Understand basics of adulticide and microfilaricide therapy of infected dogs.

D. Ophthalmology

1. Understand basic ocular anatomy.
2. Understand how to perform Schirmer tear test, fluorescein staining and Schiotz tonometry.
3. Understand how to apply medicines to the eye.

E. Wound Management

Demonstrate knowledge of basic principles of wound management and healing.

F. Bandaging and Splints

Be able to apply basic bandages and splints and know proper usage of each.

G. Spay, Castration, Declaw

1. Understand basic surgical principles of canine and feline ovariohysterectomy, canine and feline castration, and feline declaw.
2. Know how to provide surgical assistance for each of these procedures.

H. Laparotomy and Cesarean Section

1. Understand basic surgical principles of small animal laparotomy and Csection.
2. Know how to provide surgical assistance for these procedures, especially the use of suction and neonatal resuscitation.

Orthopedics

1. Understand basic orthopedic procedures and surgical assistance.

2. Understand the need for strict asepsis.

J. Feline Urologic Syndrome, Urine Collection

1. Understand the pathophysiology of FUS.

2. Know methods of urine collection including clean catch, urinary catheterization, and cystocentesis.

K. Viral Gastroenteritis, Canine Distemper

1. Understand the pathophysiology of selected contagious canine diseases.

2. Demonstrate ability to maintain strict isolation procedures.

L. Feline Viral Disease, Selected Zoonotic Disease

1. Understand the pathophysiology of selected feline viral disease.

2. Know the difference between the various types of feline leukemia tests.

3. Understand diseases which have zoonotic potential.

M. Tick Transmitted Disease

Understand the pathophysiology of various tick transmitted diseases.

N. Seizure Disorders

Understand the pathophysiology and treatment of seizure disorders.

Reproduction

Understand basic principles of canine and feline reproduction including methods of pregnancy diagnosis and treatment of dystocia.

P. Pediatrics

1. Demonstrate proficiency in pediatric nursing.

2. Understand canine and feline vaccination protocols
Q. Physical Therapy, Oxygen Therapy

1. Understand principles of physical therapy and oxygen therapy, including placement of nasal oxygen catheters.

2. Understand the use of ventilators in veterinary medicine.

R. Chest and Tracheostomy Tubes

1. Understand placement and maintenance of chest and tracheostomy tubes.

2. Understand serious consequences of improper thoracostomy or tracheostomy tube care.

S. Parental and Enteral Feeding

1. Understand principles of parenteral and enteral nutrition.

2. Understand placement and maintenance of various feeding tubes.

T. Fecal Parasites and Ringworm

Understand diagnosis and treatment of common fecal parasites and dermatophytes.

U. Gastric Dilatation Volvulus, Diabetes Mellitus, Hepatic Lipidosis

Understand pathophysiology and treatment principles for each of the above diseases.

V. METHOD(S) OF INSTRUCTION

A. Lecture: MWF 9:00 - 9:50 a.m.

B. Lab:

   Section 1: MT, 12:00 - 2:00 p.m.
   Section 2: WR 12:00 - 2:00 p.m.

1. Administering appropriate medications, vaccinations, and treatments

2. Performing appropriate laboratory tests

3. Anesthetic monitoring

4. Surgical prep and assistance

5. IV Catheterization and fluid monitoring

6. Demonstration labs for:

   a. Intraosseous catheters
   b. Splints/bandages
   C. Urinary catheterization-male and female dog
   d. Urinary catheter and collection system-male cat
   e. Nasal oxygen, catheter/nasogastric tube, orogastric tubes
   f. Endoscopy
8. Complete checklist of clinical skills

C. Scientific paper
D. Externships at local specialty practices and the Humane Society

VI. REQUIRED TEXTBOOK(S)

VAT1 56 - Page 5

REQUIRED MATERIAL(S)

Stethoscope, appropriate laboratory attire - scrubs or whites, penlight, watch

VIII. SUPPLEMENTAL TEXTS


IX. METHOD OF EVALUATION (student)

A. Distribution of Final Grade (350 point total)

1. 75 points-Lab Performance
2. 25 points-Lab Practical/Final
3. 100 points-Unit Tests (25 points each)
4. 50 points-Comprehensive Final Exam
5. 50 points clinical skills checklist
6. 25 points scientific paper
7. 25 points skills test

B. Assignment of Final Letter Grades

1. A = 90-100%
2. B = 80-89%
3. C = 70-79%
4. D = 60-69%
5. F = below 60%

Program Attendance policy – There are no excused absences. Students may miss 2 times with no point deductions, after that point deductions will accumulate. Students will lose 1 point for each lecture missed, and 5 points per lab. If a student has more than 10 absences including the first two, he or she will be advised to drop from the course to avoid receiving a grade of F for the course.

Students who are more than 10 minutes tardy for class will be counted as absent for that day.

Students may miss one exam with no penalty; for each subsequent exam missed the student is penalized 10% of the total value of the exam
If the paper or checklist are turned 1 class late, they will be penalized 10%, two classes late they will be penalized 50%, after that they will receive a 0.

The instructor may make exceptions to this policy in certain cases such as illness requiring hospitalization or death in the family etc.

academic honesty: Students must comply with all campus policies stated in the Student handbook. Students proven to be in violation of academic honesty policy and procedure as outlined in the Student Handbook will receive an F for the course as part of the course evaluation, regardless of prior academic standing

Students requiring accommodations for disabilities should notify the instructor. The ADA student contact is Sundaye Harrison, ext. 169

Students need to behave in a respectful manner towards other students and the instructor. Cell phones, iPods, and similar devices are not to be used in class.

The instructor reserves the right to change this syllabus at any time.