COURSE OUTLINE

VSCT 203 – SMALL ANIMAL MEDICINE AND THERAPEUTIC TECHNIQUES

PREPARED BY: TONY BEANE, DVM
A. **TITLE:** SMALL ANIMAL MEDICINE AND THERAPEUTIC TECHNIQUES

B. **COURSE NUMBER:** VSCT-203

C. **CREDIT HOURS:** 3

D. **WRITING INTENSIVE COURSE:** No

E. **COURSE LENGTH:** 15 weeks

F. **SEMESTER(S) OFFERED:** Spring

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:** 2 hours lecture, 2 hours laboratory per week

H. **CATALOG DESCRIPTION:** This course is designed to introduce the students to many of the common procedures performed by licensed veterinary technicians in a small animal clinical situation. The students will be instructed on many of the common canine and feline diseases and will become familiar with the signs, therapeutic treatments and methods of prevention. Small animal zoonotic diseases will be discussed to familiarize the students to the topics that veterinary staff are frequently called upon to answer. The students will perform venipuncture and intravenous catheter placements. Other procedures such as cystocentesis, stomach tube placement, blood transfusions, EKG use and splint application will be demonstrated.

I. **PRE-REQUISITES:** VSCT-115 Vet Nursing II, VSCT-114 Animal Anatomy & Physiology and VSCT 112- Clinical Pathology I.

J. **GOALS (STUDENT LEARNING OUTCOMES):**

By the end of this course, the student will:

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<th>Course Objective</th>
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| a. describe the clinical signs, treatments and preventative measures for some of the common zoonotic diseases. | 2. Critical Thinking  
3. Prof. Competence                                                                 |
| b. list the common canine and feline diseases, their signs, treatments and vaccines available. | 3. Prof. Competence                     |
| c. calculate fluid therapy amounts and flow rates.                                | 3. Prof. Competence                     |
| d. participate in a dental procedure and recognize common dental diseases and instruments used. | 3. Prof. Competence                      |
| e. list common skin diseases and treatments available.                            | 3. Prof. Competence                     |
| f. place an IV catheter successfully.                                             | 2. Critical Thinking  
3. Prof. Competence                                                                 |

K. **TEXTS:**

Crow, Steven, Walshaw, Sally, Boyle, Jennifer. *Manual of Clinical Procedures in Dogs, Cats,*

Beane, Tony. SAMTT Note Packet. 2015.

L. REFERENCES:


M. EQUIPMENT:

Technology enhanced classroom

N. GRADING METHOD: A-F

O. MEASUREMENT CRITERIA/METHODS:

Quizzes
Exams
Practical

P. DETAILED COURSE OUTLINE:

1. Zoonoses
2. Canine and feline diseases
3. Vaccination and immunity
4. Blood transfusions
5. Fluid therapy
6. Renal disease
7. Skin diseases
8. Electrocardiogram
9. Dentistry
10. Dog and cat breeding

Q. LABORATORY OUTLINE:

Week 1    Physical exam review
Week 2    Venipuncture
Week 3    Butterfly catheter and SQ fluid administration
Week 4    Over-the-needle catheter placement
Week 5    Over-the-needle catheter placement
Week 6    Blood collection and administration
Week 7    Orogastric intubation
Week 8    Urethral catheterization
Week 9    Fracture repair/splinting
Week 10   Electrocardiogram
Week 11   Dental procedure
Week 12   Wound care, surgical site preparation and suture materials
Week 13   Tonopen/ophthalmology
Week 14   Practical exam