

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



COURSE OUTLINE

VSCT 303 - ADVANCED VETERINARY NURSING

Prepared By: Sophia C. Theodore, DVM

**SCHOOL OF SCIENCE, HEALTH, AND CRIMINAL JUSTICE
VETERINARY SCIENCE TECHNOLOGY
MAY 2015**

A. TITLE: Advanced Veterinary Nursing

B. COURSE NUMBER: VSCT 303

C. CREDIT HOURS: 3

D. WRITING INTENSIVE COURSE: No

E. COURSE LENGTH: 15 weeks

F. SEMESTER(S) OFFERED: Spring semester

G. HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:
3 hours lecture per week

H. CATALOG DESCRIPTION:

This course aids students who have already completed fundamental courses in veterinary technology in developing their knowledge and skills. Emphasis on specific concepts of patient assessment, critical care nursing, advanced fluid therapy, transfusion medicine, respiratory therapy and mechanical ventilation, rehabilitation, advanced imaging, clinical nutrition, and emergency medicine will be covered.

I. PRE-REQUISITES/CO-COURSES:

VSCT 202, VSCT 203, VSCT 205, VSCT 206, and at least 45 credits earned overall, or permission of instructor

J. GOALS (STUDENT LEARNING OUTCOMES):

By the end of this course, the student will:

<i>Course Objective</i>	<i>Institutional SLO</i>
Examine more advanced procedures and theories used in the practice of veterinary medicine.	1. Communication 2. Critical Thinking 3. Prof. Competence 4. Inter-Intrapersonal
Formulate plans for therapeutic regimens for patients in conjunction with the veterinarian.	1. Communication 2. Critical Thinking 3. Prof. Competence 4. Inter-Intrapersonal

K. REQUIRED TEXT:

- Battaglia, Andrea (2007). *Small Animal Emergency and Critical Care*, 2nd Ed. Saunders Elsevier: St. Louis, Missouri, ISBN: 978-1-4160-2804-8.

L. REFERENCES: Campus Library, *Veterinary Technician*

M. EQUIPMENT: NA

N. GRADING METHOD: A-F

O. MEASUREMENT CRITERIA/METHODS:

- Quizzes/Assessments
- Assignments/Projects
- Final Exam/Project

P. DETAILED TOPICAL OUTLINE:

- A. Advanced Treatment Modalities
 1. Advanced Surgery and Nursing
 2. Chemotherapy
 3. Phototherapy
 4. Interferon
 5. Colloid Silver
 6. Endoscopy
- B. Advanced Sampling
 1. Abdominocentesis
 2. Thoracocentesis
 3. CSF Aspirate
 4. Prostatic Wash
 5. Bone Marrow Aspirate
- C. Advanced Imaging
 1. Radiographic Contrast Studies
 2. Ultrasonography
 3. Specialized Imaging Technique
- D. Advanced Anesthesia
 1. Anesthetic Drugs and Interactions
 2. Positive Pressure Ventilation
 3. Local Anesthesia
 4. Anesthetic Considerations for Specific Cases
 5. CPR and Emergency Anesthesia
 6. Analgesia and Pain Management
 7. Anesthesia in Exotic Animals
- E. Advanced Diagnostic Testing
 1. Glucose Curve
 2. Allergy Testing
 3. Diagnosing Endocrine Disorders
 4. Tests for Immune-mediated Disease
 5. Body Fluid Analysis and Cytology
- F. Critical Care Nursing
 1. Intravenous Catheters and Fluid therapy

2. Critical Care Nutrition
3. Transfusions
4. Pain Assessment and Treatment
5. Emergency Care for Specific Cases

- IV. Alternative Therapy use in Veterinary Medicine
 1. Physical Therapy and Massage
 2. Acupuncture
 3. Herbology
 4. Therapeutic Laser and Ultrasound