ANHLT 141 Course Outline as of Fall 2019

CATALOG INFORMATION

Dept and Nbr: ANHLT 141   Title: SMALL ANIMAL VET ANESTH
Full Title: Small Animal Veterinary Anesthesia
Last Reviewed: 9/24/2018

Units			Course Hours per Week		Nbr of Weeks	Course Hours Total		
Maximum	1.50		Lecture Scheduled	1.50	17.5	Lecture Scheduled		26.25
Minimum	1.50		Lab Scheduled	0	8	Lab Scheduled		0
			Contact DHR	0		Contact DHR		0
			Contact Total	1.50		Contact Total		26.25
			Non-contact DHR	0		Non-contact DHR		0

Total Out of Class Hours: 52.50   Total Student Learning Hours: 78.75

Title 5 Category: AA Degree Applicable
Grading: Grade or P/NP
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly:

Catalog Description:
This course will provide an overview of the use of anesthesia for the small animal veterinary workplace. Students will become familiar with anesthetic medications, anesthetic equipment, patient assessment, anesthetic protocols and anesthetic monitoring for small animal patients.

Prerequisites/Corequisites:
Course Completion of ANHLT 50

Recommended Preparation:
Course Completion of ANHLT 120

Limits on Enrollment:

Schedule of Classes Information:
Description: This course will provide an overview of the use of anesthesia for the small animal veterinary workplace. Students will become familiar with anesthetic medications, anesthetic equipment, patient assessment, anesthetic protocols and anesthetic monitoring for small animal patients. (Grade or P/NP)
Prerequisites/Corequisites: Course Completion of ANHLT 50
Recommended: Course Completion of ANHLT 120

Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:
CSU Transfer:	Effective:	Inactive:	
UC Transfer:	Effective:	Inactive:	

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Explain the effects, risks and use of anesthesia in veterinary medicine.
2. Discuss veterinary anesthesia including patient assessment and use of common anesthetic equipment.

Objectives:
At the conclusion of this course, the student should be able to:
1. Discuss the indications and risk factors for anesthetic procedures.
2. Evaluate anesthesia logs and anesthetic medical records.
3. Describe the stages of anesthetic depth and equipment to monitor anesthetized patients.
4. Identify anesthetic equipment including parts of inhalant anesthetic machines.
5. Describe common anesthetic emergencies and appropriate response to correct anesthesia related complications.
6. Evaluate protocols for anesthetic procedures.
7. Identify common veterinary medications and mechanism of action of anesthetic medications.
8. Discuss appropriate use and selection of anesthetic medications.
9. Perform drug dosage calculations for oral and parenteral medications.

Topics and Scope:

I. Anesthetic Risk
   A. Risk assessment
   B. Protocols to minimize specific patient risks
II. Intubation and Respiratory System Support
   A. Intubation and extubation
   B. Respiratory system monitoring
   C. Intermittent positive pressure ventilation
III. Cardiovascular System Monitoring
   A. Blood pressure

B. Electrocardiography
C. Pulse oximetry
D. Physical patient monitoring
IV. Cardiovascular System Support
   A. IV Catheterization
   B. Fluid therapy
   C. Cardiac and blood pressure medications
V. Anesthesia Machine
   A. Oxygen and compressed gas
   B. Anesthetic machine components
   C. Breathing circuit components
VI. Anesthetic and Sedative Medications
   A. Analgesics
   B. Pre-medications
   C. Induction medications
   D. Inhaled anesthetics
   E. Sedatives
   F. Topical and local anesthetics
VII. Anesthetic Depth Assessment
VIII. Anesthesia Record Keeping
   A. Anesthesia reports
   B. Patient, procedure and drug logs
IX. Anesthetic Emergency Recognition and Response

Assignment:

1. Reading in texts and handouts (20-40 pages/week)
2. Completing self evaluation exercises in text
3. Completion of mock medical records and case study exercises
4. Participation in mock anesthesia exercises
5. Creation and evaluation of hospital protocol sheets and client education materials
6. Quizzes (up to 10), Midterms (up to 2) and Final Exam

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework, protocol creating, client handouts	Writing 10 - 20%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, case studies, anesthesia and monitoring protocol evaluation	Problem solving 10 - 30%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

In-class performances of mock anesthesia, presentations	Skill Demonstrations 30 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes, midterm and final exam to include multiple choice, true/false, matching items, completion, calculation, identification, case study comprehension	Exams 30 - 50%

Other: Includes any assessment tools that do not logically fit into the above categories.

Participation	Other Category 0 - 10%

Representative Textbooks and Materials:
Anesthesia and Analgesia for Veterinary Technicians. 5th ed. Thomas, John and Lerche, Phillip. Mosby. 2016
Instructor prepared materials