

**ANHLT 121 Course Outline as of Fall 2014****CATALOG INFORMATION**

Dept and Nbr: ANHLT 121 Title: VET SURGICAL/DENTAL ASST

Full Title: Veterinary Surgical and Dental Assistance

Last Reviewed: 5/8/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00

Total Student Learning Hours: 157.50

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: AG 167.7

**Catalog Description:**

This course will include instruction on all aspects of companion animal (feline and canine) surgery with emphasis on the role of the technician. Canine and feline dental care including disease progression, prevention, and treatment will be discussed. Topics in this course will cover all aspects of the surgical experience including patient preparation, sterile technique, common surgical procedures, instrument identification and care, and patient recovery.

**Prerequisites/Corequisites:**

Course Completion of ANHLT 50 or ANHLT 110

**Recommended Preparation:**

Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:****Schedule of Classes Information:**

Description: This course will include instruction on all aspects of companion animal (feline and canine) surgery with emphasis on the role of the technician. Canine and feline dental care including disease progression, prevention, and treatment will be discussed. Topics in this course will cover all aspects of the surgical experience including patient preparation, sterile technique,

common surgical procedures, instrument identification and care, and patient recovery. (Grade or P/NP)

Prerequisites/Corequisites: Course Completion of ANHLT 50 or ANHLT 110

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>		Effective:	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon completion of this course, students will be able to:

- 1) Describe surgical protocols and explain them to clients.
- 2) Evaluate and prioritize surgical procedures, anesthetic risks, and anesthetic monitoring activities.
- 3) Identify surgical and dental instrumentation.
- 4) Describe appropriate surgical instrument and surgical suite preparation .
- 5) Describe and evaluate sterile protocols including patient, surgeon, assistant and surgical suite preparation.
- 6) Describe common surgical procedures and explain them to clients.
- 7) Evaluate and complete proper surgical medical records.
- 8) Describe dental anatomy, pathogenesis of periodontal disease, and common dental procedures.
- 9) Evaluate and describe post surgical monitoring and after care procedures.
- 10) Perform simple interrupted skin sutures and describe other common suture patterns.
- 11) Evaluate suture material and indentify appropriate use of suture instrumentation and suture selection.
- 12) Evaluate and describe proper protocols for IV catheter placement, use and monitoring.

### **Topics and Scope:**

- 1) Surgical Preparation
  - a. Patient risk assessment
  - b. Patient preparation and scrubbing
  - c. Surgical team scrubbing, gowning and gloving

- d. Sterile technique and room preparation
- 2) Surgical Nursing and Assistance
  - a. Common surgical procedures
  - b. Surgical monitoring
  - c. Induction and Intubation
  - d. Anesthetic plane assessment
  - e. Instrument identification and uses
  - f. Surgical pack preparation
- 3) Post operative patient care
  - a. Initial recovery
  - b. Common post operative treatment
  - c. Discharge instructions
- 4) Surgical anatomy and common procedures
  - a. Surgical anatomy of the thoracic cavity
  - b. Surgical anatomy of the abdominal cavity
  - c. Surgical anatomy of the integumentary system and common dermal masses
  - d. Surgical anatomy of the reproductive system including surgical sterilization
  - e. Surgical anatomy of the gastrointestinal system and common procedures
  - f. Surgical anatomy of the urinary system and common procedures
  - g. Surgical anatomy of the skeletal system
  - h. Fracture fixation techniques and equipment
  - i. Cardiovascular system homeostasis and monitoring
  - j. Respiratory system homeostasis and monitoring
- 5) Suturing materials and Suturing Techniques
- 6) IV Catheter Placement
- 7) Veterinary Dentistry
  - a. Normal dental anatomy
  - b. Dental terminology and directional anatomy
  - c. Initial dental assessment
  - d. Sedated dental assessment
  - e. Dental prophylactic procedures
  - f. Periodontal disease
  - g. Other dental diseases
  - h. Dental radiography
  - i. Dental extractions
  - j. Preventative dental care and home care

### **Assignment:**

- 1. Reading in texts and handouts (20-40 pages/week)
- 2. Completing self evaluation exercises in text
- 3. Reading, summarizing, and answering questions regarding case studies or veterinary/anatomical research papers
- 4. Developing and critiquing hospital protocols and client handouts
- 5. Identification of structures on and recreation of anatomical diagrams
- 6. Presentations on anatomical or veterinary information
- 7. Demonstrations of clinical skills
- 8. 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, essays, creating client handouts

Writing  
10 - 30%

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

Homework problems, case studies

Problem solving  
10 - 30%

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

Presentations

Skill Demonstrations  
10 - 30%

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

Quizzes, midterms, and exams: multiple choice, true/false, matching, completion, identification, case study comprehension

Exams  
40 - 60%

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

None

Other Category  
0 - 0%

### **Representative Textbooks and Materials:**

McCurnin's Clinical Textbook for Veterinary Technicians by Joanna M. Bassert VMD and Dennis M. McCurnin DVM MS Dipl ACV. Published by: Saunders, 8th ed, 2013

Small Animal Surgical Nursing by Marianne Tear, 2nd ed, Saunders: 2013

Veterinary Dentistry: A Team Approach by Steven E. Holmstrom, 2nd ed, Saunders: 2012

Small Animal Dental Procedures for Veterinary Technicians and Nurses by Jeanne R. Perrone, Wiley: 2012

Instructor prepared materials