ANSC 271: Anesthesiology and Surgical Nursing for Veterinary Technicians
CRN 63309

Instructor: Carolyn Naun, DVM
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Effective Date: Spring 2015

Catalog Description

This course will focus on the clinical skills necessary for safe and effective anesthesia and surgery of companion animal patients (dogs and cats). Skills such as intravenous catheter placement, proper endotracheal intubation, patient and surgical site preparation, and patient monitoring under general anesthesia will be stressed. The use and side effects of commonly used sedatives, analgesics and anesthetics will be covered. Postoperative procedures include patient monitoring and charting as well as client education for postoperative care. (3 hours lecture)

Prerequisite: Admission into Veterinary Technology program

Activities Required at Scheduled Times Other than Class Times: None

Student Learning Outcomes

Upon successful completion of ANSC 271, the student should be able to:

- Understand the proper operation of anesthetic delivery equipment and monitoring instruments.
- Explain all aspects of anesthetic monitoring.
- Understand and integrate all aspects of patient management for common surgical procedures in companion animal species.
- Identify and provide appropriate instruments, supplies and environment to maintain asepsis during surgical procedures.
- Demonstrate understanding of routine surgical procedures including surgeries in these categories: ovariohysterectomy, cesarean section, orchiectomy, laparotomies, and orthopedic procedures.
**Course Content**

- Anesthesia and Anesthetic Monitoring
- Surgical Instruments
- Aseptic Technique
- Surgical Nursing
- Pain Management
- Large Animal Surgical Nursing
- Fluid Therapy
- Transfusion Medicine
- Types of Veterinary Surgery

**Course Tasks**

- Attend lecture weekly and keep current with all course material
- Complete assigned readings prior to lectures
- Participate in class discussions
- Complete quizzes as given
- Take midterm exam
- Take final exam
- Complete required assignments and independent projects

**Assessment Tasks and Grading**

**METHOD OF GRADING**

In order to receive a passing grade (“D” or above) for ANSC 271, the student must do the following, no exceptions:

- Complete all required assignments
- Obtain an average score of at least 70% on the midterm and final exams

**POINT VALUES**

- Journal and Assignments – 100 points
- Midterm and Final Exams – 100 points each
- Independent Projects – 100 points minimum offered, can earn more

**Exams:** Exams are worth 100 points each. The student will take two exams to demonstrate knowledge and understanding of information presented in the lectures, text readings, and assignments. The first exam will be take home, and will require the student to apply knowledge from the course materials to hypothetical real life cases. The final exam will be cumulative multiple choice, and the focus will be on knowledge needed for the Veterinary Technician National Examination.

**Projects:** A description of independent projects available can be found on Laulima. Students may choose which of these projects to do. Some may be done more than once. There is no limit to the number of points that may be earned in this way. Students may design and propose their own projects,
but they must be approved by the instructor, and the point value of all projects is at the instructor’s discretion.

**Journal and Assignments:** The student will maintain a composition notebook for journaling. Short writing assignments will be given during lecture for students to complete either during lecture or at home. These may include reflections, answers to questions posed in class, or mini research topics. Other assignments (such as short papers or small projects) may be given throughout the course.

**GRADING SCALE**

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<tr>
<th>Total Points and Grade Equivalent</th>
<th>Grade</th>
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<tr>
<td>&gt; 360 A</td>
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<tr>
<td>320-359 B</td>
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<tr>
<td>280-319 C</td>
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<td>240-279 D</td>
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<td>&lt; 240 F</td>
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**Policy on Make-Up Exams:**
If you miss an examination because of an illness or legitimate emergency, you must contact the instructor within 48 hours to arrange a time to make up the missed test. The instructor may request that the student present evidence of the illness or emergency that caused the student to miss the test. If the student misses an exam for any other reason, the student may be prohibited from taking a make-up. Make-up exams may differ from the original test with regards to questions but content will remain the same. No retests will be given for any reason.

**ACADEMIC DISHONESTY**
Students involved in academic dishonesty will receive an "F" grade for the course. Academic dishonesty includes cheating on exams and plagiarism. See the course catalog for a description of the University’s policies concerning academic dishonesty.

**Student Responsibilities**

- Attendance at lecture is not mandatory. However, the student will be held responsible for being familiar with the material presented in lecture. To minimize disruptions, the door will be closed ten minutes after class is scheduled to begin; students arriving after this time will need to wait for a break to be admitted to the classroom. **Do not knock on the door for admission to lecture.**
- The student is expected to participate in all course activities and complete all examinations and course assignments on time.
- Please be considerate of other students by turning off cell phones during class. Laptops and tablets are permitted for the purpose of taking notes. Students who refuse to turn off laptops, phones or other electronic devices when requested will be dismissed from class and lose 20 points.
- Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time in class or on the Laulima website. It is the student’s responsibility to be informed of these changes.
- It is the student’s responsibility to be informed about deadlines concerning registration (e.g., last day for withdrawal).
- Communication: The instructor will communicate with students through email, the Laulima website and announcements in class. It is the student’s responsibility to be informed of any classroom
announcements made when the student is absent.

- It is the student’s responsibility to obtain copies of any assignments handed out during class when the student is absent.

Instructor’s Pledge to Students

The instructor promises to make every effort to:

- Listen to concerns and constructive criticism with an open mind
- Be clear and transparent with grading policies and expectations
- Communicate critical information such as schedule changes and exam details in a timely fashion
- Be available to offer extra help and clarification whenever possible
- Make good and efficient use of class time to maximize learning

Tips for Success

- Do the reading in advance of lectures. You will get more out of the active learning strategies if you have a working knowledge of the material.
- Complete the journal assignments and questions. These are easy points!
- Pay meticulous attention to instructions, and read them more than once. Small errors can mean or death in anesthesia. Develop a lifelong habit of following instructions to the letter.

Learning Resources

REQUIRED:

*Small Animal Surgical Nursing:* Tear M. Elsevier Mosby, St. Louis, MO. 2nd Edition.


RECOMMENDED:


Science Direct: science database available through the library learning commons link from the WCC website or at [http://www.sciencedirect.com/](http://www.sciencedirect.com/)

Veterinary Anesthesia and Analgesia Support Group [http://www.vasg.org](http://www.vasg.org). This is an extensive free resource, geared to the veterinary practitioner and nursing staff, covering all things related to anesthesia of the veterinary patient.
Veterinary Support Personnel Network [www.vspn.org]. Resources, online CE courses, and bulletin boards for veterinary technicians and other support staff. Must sign up for a free account to access.

Vetlearn: [www.vetlearn.com]. Continuing education and articles for veterinary technicians on a wide range of topics. Must sign up for a free account to access.

**Additional Information**

**Laulima:** Your instructor has created a Laulima website to accompany this course. This website contains lecture outlines, copies of course forms and syllabi, and links to on-line learning resources. Students enrolled in ANSC 271/271L are automatically enrolled in the ANSC 271/271L Laulima website. To access, go to https://laulima.hawaii.edu/portal. Login using your UH username and password and click on ANSC 271/271L.

**DISABILITIES ACCOMMODATION STATEMENT**

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale ‘Akoakoa 213 for more information.

**SCHEDULE: TBA**