ANSC 261: Anesthesiology and Dentistry for Veterinary Technicians
CRN 62452

Instructor: Carolyn Naun, DVM
Office: Hale Nauuao 141
Office Hours: Tuesday 8-9am, Wed and Thurs 8-3:30am or by appointment
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Email: cnaun@hawaii.edu
Effective Date: Fall 2014

Catalog Description

This course will focus on dental anatomy, common dental diseases, and basic dental procedures. Topics will include proper charting, routine periodontal care, anesthesia, patient monitoring, analgesia, post-op concerns, and home care for clients. Dental equipment and instruments will be reviewed in preparation for the concurrent lab (ANSC 261L). 3 hours of lecture

Pre-Requisite(s): Admission into the Veterinary Technology program.

Co-Requisite(s): Co-registration in ANSC 261L.

Activities Required at Scheduled Times Other than Class Times: none

Student Learning Outcomes

Upon completion of the course, the student will be able to:

- Explain all aspects of anesthetic monitoring.
- Understand the proper operation of anesthetic delivery equipment and monitoring instruments.
- Understand and integrate all aspects of patient management for common dental procedures in companion animal species.
- Identify proper injection sites and procedures for local anesthetic blocks
- Identify and provide appropriate instruments, supplies and environment to maintain asepsis during dental procedures.
- Understand the principles of routine dental care and be able to make recommendations to pet owners.
- Recognize the levels of periodontal disease and how it affects a patient’s overall health.
- Identify normal dental anatomy of common veterinary species.
Course Content

• Commonly used anesthesia and dental equipment
• Proper collection and handling of laboratory specimens
• Laboratory safety (OSHA, MSDS)
• Anesthetic protocols
• Anesthetic monitoring
• Dental anatomy of various species
• Dental disease

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

Assessment Tasks and Grading

METHOD OF GRADING

In order to receive a passing grade (“D” or above) for ANSC 261, 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

• Employability Skills and Attitude (see “Student Responsibilities”) – 100 points
• Midterm and Final Exams – 100 points each
• Independent Projects, Presentations, Quizzes, In-Class Worksheets and Assignments– varies, will be specified on assignment or assessment. At least 100 points possible.

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.

Assignments and Quizzes: Unannounced quizzes may be given during lecture. No make-ups will be offered. Any required assignments (to be distinguished from independent projects, above) will be clearly designated as such on the assignment. Required assignments must be completed and turned in by the deadline to pass the course.

GRADING SCALE
Total Points and Grade Equivalent
\[ \text{Grades:} \]
\[ \text{A} \geq 360 \]
\[ \text{B} = 320 - 359 \]
\[ \text{C} = 280 - 319 \]
\[ \text{D} = 240 - 279 \]
\[ \text{F} < 240 \]

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 2012-2013 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. Make-ups will not be offered for any quizzes or other assessments given during class; students who are absent will receive ZERO points for these exercises. Please note that part of the course grade is based on work ethic and employability skills as judged by the instructor. Habitually missing or arriving late for lecture may negatively affect this score. 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. Students can sign up for text reminders and last minute/emergency messages by going
to this link:  http://www.remind.com/join/ansc26

- 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.

Employability Skills and Work Ethic

Points will be awarded based on subjective assessment of the student’s ability to work well with others, maintain a respectful demeanor toward peers and instructors, and fulfill responsibilities.

Behaviors evaluated for this assessment include but are not limited to:

- Takes initiative for own learning.
- Helps out other team members
- Treats all members of the team with respect and courtesy
- Arrives for class promptly and ready to learn
- Responds cheerfully when asked to do a task
- Acts professionally and does not complain, gossip or talk about others in the profession (in or outside the program) during class or laboratory
- Accepts constructive criticism
- Follows instructions
- Seeks help or asks for clarification when needed

The final score is completely at the discretion of the instructor; however, students will receive written feedback at the end of the course to provide an opportunity for self-improvement.

Students are expected to be familiar with and follow the Standard Operating Procedures outlined in the WCC Veterinary Technology Program Student Handbook. Violations of the SOP will result in a point deduction from the student’s overall grade for the course. The instructor may also give demerits for such violations as provided for in the Student Handbook.

- Minor violation – 10 point deduction
- Major violation – 50 point deduction
- Second major violation or more than 3 minor violations – “F” grade for course

The student and the Program Director will be notified in writing of any violation resulting in a point deduction.
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

Learning Resources


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

Veterinary Anesthesia and Analgesia Support Group 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.


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 261/261L are automatically enrolled in the ANSC 261/261L Laulima website. To access, go to https://laulima.hawaii.edu/portal. Login using your UH username and password and click on ANSC 261/261L.

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: Subject to Change**

August 29th  
Last day to drop for **100% refund**

September 15th  
Last day for **50% refund**

October 30th  
Last day to withdraw with a “W” grade

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<tr>
<th>Date</th>
<th>Course</th>
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<tr>
<td>August 25</td>
<td>Course Introduction&lt;br&gt;The Technician’s Role in Veterinary Dentistry</td>
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<tr>
<td>September 2</td>
<td>Anesthesia Basics&lt;br&gt;Preanesthetic Evaluation</td>
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<td>September 9</td>
<td>Dental Anatomy and Charting&lt;br&gt;Oral Examination</td>
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<td>September 16</td>
<td>Dental Prophylaxis&lt;br&gt;Extractions and Nerve Blocks</td>
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<td>September 23</td>
<td>Home Care&lt;br&gt;Periodontal Disease</td>
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<td>September 30</td>
<td>Rabbit Dental Anatomy and Diseases&lt;br&gt;Anesthetic Equipment</td>
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<td>October 7</td>
<td>Exam One Review, Q and A</td>
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<td>October 14</td>
<td>Exam one Handed Out&lt;br&gt;Anesthetic Agents</td>
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<td>October 21</td>
<td>EXAM ONE DUE&lt;br&gt;Anesthetic Monitoring</td>
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<td>October 28</td>
<td>Anesthetic Recovery&lt;br&gt;Pain Management</td>
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<td>November 4</td>
<td>ELECTION DAY - NO CLASS</td>
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<td>November 11</td>
<td>VETERANS DAY – NO CLASS</td>
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<td>November 18</td>
<td>INDEPENDENT PROJECTS DUE</td>
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<td>Geriatric Patients</td>
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<td>Anesthetic Complications and Emergencies</td>
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<td>November 25</td>
<td>Case Studies</td>
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<td>December 2</td>
<td>Review</td>
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<td>December 9</td>
<td>JEOPARDY!</td>
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<td>December 16</td>
<td>FINAL EXAM</td>
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Rev. 5/24/14