ANSC 261: Anesthesiology and Dentistry for Veterinary Technicians
CRN 60269

Instructor: Carolyn Naun, DVM
Office: Hale Naauao 121
Office Hours: Tuesday 9-10am (Na’auao), Tues and Thurs 8:00-8:30 am (Imiloa 1) or by appointment
Office phone number: 236-9241
Email: cnaun@hawaii.edu
Effective Date: Fall 2015

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:

1. Explain all aspects of anesthetic monitoring.
2. Understand the proper operation of anesthetic delivery equipment and monitoring instruments.
3. Understand and integrate all aspects of patient management for common dental procedures in companion animal species.
4. Identify proper injection sites and procedures for local anesthetic blocks
5. Identify and provide appropriate instruments, supplies and environment to maintain asepsis during dental procedures.
6. Understand the principles of routine dental care and be able to make recommendations to pet owners.
7. Recognize the levels of periodontal disease and how it affects a patient's overall health.
8. 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
- Take both the midterm and final exam

**POINT VALUES**

- Journal – 30 points
- Assignments and Quizzes – 70 points
- Midterm and Final Exams – 100 points each
- Independent Projects - 100 or more points

**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 short answer/essay, 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 or similar, 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.

Journaling is intended to enhance your learning. You need not worry about correct grammar, punctuation, or having the “right” answer. They will be graded credit / no credit based on whether you provide a meaningful response. To ensure you get credit for all entries, format as follows:

Journal entry #___  
Date:  

[body of entry]

Unannounced quizzes may be given throughout the course during lecture. Students absent from class on the day a quiz is given will **not** have the opportunity to make the quiz up and will forfeit the points.

**GRADING SCALE**

**Total Points and Grade Equivalent**

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>&gt;= 360</td>
<td>A</td>
</tr>
<tr>
<td>320-359</td>
<td>B</td>
</tr>
<tr>
<td>280-319</td>
<td>C</td>
</tr>
<tr>
<td>240-279</td>
<td>D</td>
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<tr>
<td>&lt;240</td>
<td>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.
N GRADES

Please note that I do not give out “N” grades.

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, read them more than once, and ask if uncertain. Small errors can mean life or death in anesthesia. Develop a lifelong habit of making sure you have a thorough understanding of instructions.

**Learning Resources**

**REQUIRED:**

*Veterinary Dentistry: A Team Approach* by Holmstrom S.E. 2nd Edition, Elsevier Saunders, St. Louis MO


**RECOMMENDED:**

*Veterinary Technology Resource Page at WCC Library:*  

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](http://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](https://laulima.hawaii.edu/portal). Login using your UH username and password and click on ANSC 261. To simplify matters, only the 261 Laulima site will be used for communication.

**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:**

**Lecture Topics TBA**

- **Midterm handed out**: October 20th
- **Midterm due by noon**: October 27th
- **Independent Projects Due by noon**: November 17th
- **Final Exam in testing center**: May 11-15

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Last Day of Regular Registration, Fall</td>
<td>Aug 23, 2015</td>
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<tr>
<td>Late Registration begins, Fall</td>
<td>Aug 24, 2015</td>
</tr>
<tr>
<td>Last Day to Add/Late Register, Fall</td>
<td>Aug 28, 2015</td>
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<tr>
<td>Last Day for 100% Refund, Fall</td>
<td>Aug 28, 2015</td>
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<tr>
<td>Last Day for 50% Refund, Fall</td>
<td>Sep 14, 2015</td>
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<tr>
<td>Last Day to Withdraw without a &quot;W&quot; Grade, Fall</td>
<td>Sep 14, 2015</td>
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<tr>
<td>Last Day to Withdraw with a &quot;W&quot; Grade, Fall</td>
<td>Oct 30, 2015</td>
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