



# Anesthesiology and Surgical Nursing for Veterinary Technicians

**ANSC 271**

**Fall: 2024**

## CLASS INFORMATION

### **SYNCHRONOUS - 64041**

Thursday 1:00 pm – 2:15 pm

Meeting Location: Zoom meetings

### **ASYNCHRONOUS - 64373**

Meeting Location: Zoom meetings

Wednesday 8pm / Thursday 8am

## INSTRUCTORS' INFORMATION

**Instructor:** Terence A. Olive, DVM, HABc

**Virtual Office Hours :**

Via Zoom by appointment

**E-Mail:** olivet@hawaii.edu

**Instructor:** Jenny Kelly, DVM, DACVS

**Office:** Hale Kakoo 129

**Office Hours:** by appointment & after lab (in person)

**E-mail:** jennyrk@hawaii.edu

**Phone:** 236-9166

**Virtual Office:** Zoom meetings by appointment

## WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

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*Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko'olau region of O'ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence*

## SYLLABUS CHANGE POLICY:

Information contained in the course syllabus may be subject to change with reasonable advance notice, as deemed appropriate by the instructor. Updates to the syllabus will be communicated via a Lulima or Campuswire, Google Student Drive, class announcement and/or during a Zoom class meeting. Students should check their UH email address regularly (at least every 48 hrs) and Campuswire account so they can be informed of course changes and announcements in a timely manner. It is the student's responsibility to be informed of these changes. It is also the student's responsibility to be informed about deadlines critical to making registration changes (e.g., last day for making an official withdrawal)

## ABOUT THIS COURSE

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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.

### Course Learning Outcomes

After successfully completing this course, you will be able to:

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

### Course Format

This course will be conducted in an **Online** Synchronous and Asynchronous format. The goal is to meet weekly to discuss the topics listed in the course schedule as posted here and on the shared Student Google Drive. It is paired with a laboratory class where you will apply the knowledge learned in this course. The first Zoom meeting will go over the syllabus and course expectations. Subsequent Zoom meetings will be Q&A over the previous week's recorded lectures and homework assignments. It is expected that the student will come prepared to Zoom class for Q&A. It is expected that the student will watch the assigned lectures at least once during the scheduled class time.

### Required Materials

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#### Required Textbooks (either hard copy or digital version):

Small Animal Surgical Nursing: Tear M. Elsevier Mosby, St. Louis, MO. 4<sup>th</sup> Edition.

Anesthesia and Analgesia for Veterinary Technicians: Thomas, J. and Lerche, P. Elsevier Mosby, St. Louis, MO. 5<sup>th</sup> or 6<sup>th</sup> Edition. (**preferably 6<sup>th</sup> Edition**)

#### Required Computer Access:

A computer that supports **Zoom, Loom, Google Drives, Laulima** and other functions as deemed necessary.

## 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.

## Other resources:

Due to the online nature of this course, it is necessary to have access to high-speed internet and computer software e.g. microsoft, adobe, Laulima to support your participation in the class. Here are the links to several commonly used sites or applications' accessibility information: [Laulima/Sakai](#), [Microsoft](#), [Adobe](#)

Tutors are Available. **Update to follow**

## Course Policies and Class Communication

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### Synchronous and Asynchronous Classes:

Students in order to be successful in this course, are expected to

- attend class at regularly scheduled times via **ZOOM**. They will be held for **Asynchronous students** on Wednesdays at 8 pm and Thursdays at 8 am, for **Synchronous Students** on Thursdays at 1 pm. If you cannot attend your scheduled Zoom, Contact Dr. Olive and Attend one of the other scheduled times.
- access the Google Student Drive for syllabus, lecture content, homework assignments, supplements, schedules and other updated materials.
- **materials are in folders by week presented**
- watch the lecture content that is delivered via recorded lectures and available power point presentations.
- monitor their progress in the course via Laulima and other platforms as necessary.
- be prepared to discuss learning topics, ask questions regarding learning materials, hand in homework, and **take quizzes at the scheduled times via LOOM or ZOOM.**  
([https://drive.google.com/file/d/1T7ABw\\_BR4JcU8PdDLwBbw9-D52gSKcLy/view?usp=drive\\_link](https://drive.google.com/file/d/1T7ABw_BR4JcU8PdDLwBbw9-D52gSKcLy/view?usp=drive_link))  
**MAKE SURE TO UPLOAD QUIZ / TEST TO YOUR DROP BOX**
- be self-motivated to obtain, learn and process educational delivery topics
- be respectful and professional on-line and in-person with faculty, staff, students and the general public.
- facilitate student questions pertaining to educational materials
- stay on-topic.
- Utilize Laulima, e-mail or Campuswire if very specific questions to their situation or a need for some extra support arises
- set up a one-on-one meeting as needed to assure understanding of course content.

## Zoom Classroom Etiquette:

This is a virtual classroom, so appropriate classroom behavior is expected

- Take care of your personal needs (basic hygiene, eating, talking to others in your home, etc.) **prior** to entering the classroom.
- Ensure your workspace is quiet, clean and has an appropriate background
- Keep your audio on mute until you want to speak. If you want to speak, use the 'raise hand' feature, then unmute yourself when called on
- Keep your camera on to maintain focus
- Never take a screenshot of the Zoom call unless you have permission. All resources used in the Zoom meeting will be provided in **Laulima or the Google Student Drive**
- Maintain respectful, professional and use appropriate language. Disruptive or unprofessional behavior will not be tolerated.
  - - Be on time
  - - Dress appropriately
  - - Sit tall and face the camera
  - - Silence phones or other devices and do not use other devices for personal communication. Computers / Tables are to be used for ZOOM attendance and for note taking.

## Participating in our Learning Community: Class Communication

The weekly online Zoom meeting, is where most class discussions and questions on the subject matter will be answered. It is expected that students will come prepared to discuss topics presented via readings, lectures or other assignments.

### Laulima, Google Student Drive, Campus wire

#### Primary use will be of Laulima and the Google Student Drive

- Where announcements, reminders, etc. will be posted by the instructor.
- Homework assignments and Lecture materials are in the Google Student Drive and organized by week.

**Netiquette:** (Network etiquette - appropriate behavior online) - [UH Netiquette and Safety](#) Page

- Do not use CAPS lock - it indicates anger, yelling, or an aggressive tone
- Use correct spelling, capitalization, and punctuation in all correspondence
- Use standard English, not "texting" language
- Be respectful to each other, choose your words wisely, and do not reply while upset or angry. When communicating online, it is difficult to convey tone and words can be misunderstood. Take time to be calm, proofread, and consider how someone else might interpret what you are typing.
- Express differences in opinion in a polite and rational manner.
- Maintain an environment of constructive criticism when commenting on the work of other students.
- Avoid bringing up irrelevant topics when involved in group discussions or other collaborative activities.
- If you ever receive an email or a response in discussions that is not appropriate, please contact the instructor privately and immediately. The vet tech program has no tolerance for anything that

appears to be harassing, impolite or insulting. Situations like this may be referred to the program director, Dean, or Vice Chancellor of Student Affairs and corrective action will be taken.

### Contacting the Instructor:

If it is anything course/content related, please contact me, I will respond via Lulima so all of your classmates can benefit. If it is grade related, private, or very specific to your situation, you can email me as well at : [olivet@hawaii.edu](mailto:olivet@hawaii.edu). Or we can try to set up a zoom meeting. Keep communication professional.

**Timeline:** I will respond to inquiries within 12 - 24 hrs Mon-Fri. On the weekend, the response time will be between 24 - 48 hrs.

If communication is necessary with more than me (possible other instructors / counselors) check, read and respond to email by using the reply all tab.

### Alternative Contact

If you are unable to reach me, you can contact:

Dr. Kelly: [jennyrk@hawaii.edu](mailto:jennyrk@hawaii.edu)

Stacie Kissel: [kupahu@hawaii.edu](mailto:kupahu@hawaii.edu)

### Attendance:

~~COVID-19~~ If you are feeling sick and/or exhibiting any of the signs or symptoms associated with COVID-19, do not attend your in-person lab/class, please contact your physician immediately for the appropriate steps to acquire a test and initiate quarantine. You must contact your instructor immediately and provide the documentation from your physician regarding your health status.

**ATTENDANCE:** (60 points): Attendance is **mandatory** and defined as being present in class for the entire class period. **Attendance will be assessed primarily by quiz attendance.** Each student is allowed one absence without penalty except for quizzes. Each unexcused absence beyond the one allowed, will result in a deduction of 10 points from the student's attendance score. If a student has an excused absence, a doctor's note or documentation must be given to the instructor within 48 hours of returning to school.

For more information on the Veterinary Technology Program attendance policy, please refer to the [Student Handbook](#).

### Assessments and Grading:

Research has shown that frequent assessments of students increase student motivation and achievement. This instructor believes in the benefit of frequent assessments allowing for increased academic success of students. There will be a variety of assessment tools including Attendance, Homework Assignments (**HW**), Quizzes, and Examinations (**EXAM**). Please refer to the syllabus and schedule here and in the **Shared Google Drive: ANSC 271a,b,c,d,e Fall 2024 Student Google Drive**.

### Homework (HW) Assignments:

There are **14 homework assignments submitted to your Lulima drop box**. They cover **weekly readings and / or supplemental content**. They are due **Thursdays by 11:59 pm the following week**. (For example week 1 homework is due on the Thursday of week 2). Refer to the schedule at the end of this syllabus and in the Shared Google Drive: ANSC 271 Fall 2024 Student Google Drive. **(Thanksgiving Thursday is excluded)**

### Quizzes:

There are 6, multiple choice quizzes that will focus on the knowledge obtained from the **online lectures**. They will be proctored via **Loom**. They will open on a Thursday at 2:30 pm and close on Friday at 11:59 pm. Refer to the schedule at the end of this syllabus Shared Google Drive: ANSC 271a Fall 2024 Student Google Drive.

### Exams:

There is one, 300 point, comprehensive final exam that will occur during week 17. (Finals Week). The Students must achieve a 70% or higher on the final exam in all ANSC courses. That includes ANSC 271 to pass this course. If you receive less than 70% on the final exam your course grade will default to your final exam grade. Each quiz / exam will be multiple choice. It will be proctored via **Loom or ZOOM**. It will open at 12:00 am and close at 11:59 pm. The day of the Final Exam will be determined before the end of the 16<sup>th</sup> week.

<b>Assessment</b>	<b>Point Value</b>	<b>TOTAL POINT VALUE</b>
HW – 1 - 10	@ 30 points	300 points
HW – 11-14	@ 40 points	160 points
Quizzes 1-6	@ 30 points	180 points
Final Exam	@ 300 points	300 points
Attendance		60 points
<b>TOTAL</b>		<b>1000 points</b>

### GRADE SCALES

900 – 1000 points	<b>A</b>
800 – 899 points	<b>B</b>
700 – 799 points	<b>C</b>
600 – 699 points	<b>D</b>
< 600 points	<b>F</b>

## Policy on Late Assignments:

**Late submissions are not accepted.** If an assignment was missed due to an unforeseen emergency, communication must be established with your instructor within 48 hours and documentation must be provided. Unless previously consulted with by your instructor, uploaded files with edits made after the due date will not be accepted.

**Wrong file submission policy:** It is the student's responsibility to ensure that the correct file was uploaded. Submissions of wrong files will be categorized as a late assignment.

**Corrupted file submission policy:** It is the student's responsibility to ensure that a working file was uploaded. Submissions of corrupted files will be categorized as a late assignment.

## 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 student must 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 exam. 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.
- Work submitted by a student must be the student's own work. The work of others should be explicitly marked, through use of quotes or summarizing with reference to the original author.
- In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s):
- Students will receive a failing grade for plagiarized assignments and for cheating on an exam.
- All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs. See the most recent course catalog for a description of the University's policies concerning academic dishonesty.

## Proctored QUIZZES / EXAMS

The quizzes / exams in this course may be proctored via **Loom**. You must have a computer access that **supports the Loom of ZOOM Program**. Some may be un-proctored via Lulima. Most exams and quizzes will be timed.

([https://drive.google.com/file/d/1T7ABw\\_BR4JcU8PdDLwBbw9-D52gSKcLy/view?usp=drive\\_link](https://drive.google.com/file/d/1T7ABw_BR4JcU8PdDLwBbw9-D52gSKcLy/view?usp=drive_link))

**MAKE SURE TO UPLOAD QUIZ / TEST TO YOUR DROP BOX**

## PROGRAM INFORMATION

### Program Learning Outcomes

After completing the Veterinary Technology program, students will be able to:

- Effectively communicate with clients and veterinary staff
- Perform routine business transactions and maintain patient and facility records
- Ensure the safety of patients, clients, and staff and maintain compliance with regulatory agencies
- Identify common breeds of companion animals, list their nutritional requirements and husbandry needs, and describe the anatomy and functions of major body systems
- Assist with physical exams and obtain patient histories
- Perform routine nursing procedures including first-aid, wound-management, and administration of medications and vaccines
- Develop a working knowledge of common companion animal diseases and their medical treatments
- Collect biological samples and perform diagnostic laboratory tests
- Assist with surgical procedures and dental cleaning
- [Student Handbook](#) - for your reference a copy of the Student Handbook has been uploaded to the ANSC 271 Google Drive

### Student Responsibilities

The student is expected to attend class meetings, participate in all course activities, and complete all examinations and course assignments on time. Please be considerate of the instructor and other students **by turning off cell phones during Zoom class and by engaging professionally**. 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).

## INSTITUTIONAL INFORMATION

### DISABILITIES ACCOMMODATIONS

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 Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Jodi Asato can be reached at (808) 235-7472, [jodiaka@hawaii.edu](mailto:jodiaka@hawaii.edu), or you may stop by Hale Kāko'o 105 for more information. Contact Information is subject to change



## **SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)**

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Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following: (contact information is subject to change)

Karen Cho, Deputy Title IX Coordinator  
Phone: 808-235-7404  
Email: [kcho@hawaii.edu](mailto:kcho@hawaii.edu)

Desrae Kahale, Mental Health Counselor  
Phone: 808-235-7393  
Email: [dkahale3@hawaii.edu](mailto:dkahale3@hawaii.edu)

Jojo Miller, Confidential Advocate  
Phone: 808-348-0663  
[jojo.miller@hawaii.edu](mailto:jojo.miller@hawaii.edu)

Ka'ahu Alo, Confidential Advocate  
Phone: 808-235-7354  
[kaahualo@hawaii.edu](mailto:kaahualo@hawaii.edu)

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University's Title IX resources and the University's Policy, Interim EP 1.204, go to [manoa.hawaii.edu/titleix/](http://manoa.hawaii.edu/titleix/)

## **ALTERNATE CONTACT INFORMATION**

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If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

- Location: Alaka'i 121
- Phone: (808) 235-7422

## WINDWARD COLLEGE FALL ACADEMIC CALENDAR:

### FALL 2024

April 1, 2024	Fall Registration Begins
August 1, 2024	Deadline for Fall 2024 Admissions Application
August 19, 2024	Faculty Duty Date
August 23, 2024	Payment Deadline for Fall Tuition/Fee by 4:00 p.m.
August 16, 2024	<b>Statehood Day (State Holiday)</b>
August 26, 2024	Fall Semester Begins: First day of Instruction First 8-Week Classes Begin (Aug 26–Oct 18)
August 26–Sept 3, 2024	Late Registration (\$30 late fee) and Add/Drop Period (\$5 in-person fee)
September 2, 2024	<b>Labor Day (Federal &amp; State Holiday)</b>
September 3, 2024	Last Day for 100% Tuition Refund* Last Day for 100% Student Fees Refund <sup>1</sup> (complete withdrawal from ALL classes)
September 17, 2024	Last Day to Withdraw without "W" grade and 50% Refund <sup>1</sup>
October 19, 2024	First 8-week classes grades due*
November 4, 2024	Last Day to Withdraw with "W" grade* Last Day to Change to CR/NC Option or select Audit* Last Day to make up Spring/Summer "I" Grade
November 5, 2024	<b>Election Day (State Holiday)</b>
November 11, 2024	<b>Veterans Day (Federal &amp; State Holiday)</b>
November 28, 2024	<b>Thanksgiving Day (Federal &amp; State Holiday)</b>
November 29, 2024	Non-Instructional Day
December 12, 2024	Last Day of Instruction Last Day to Certify/Apply for Fall Graduation
December 16–20, 2024	Exam Period
December 20	End of Fall Semester

#### Non Instructional Holidays

- 09 /02 /24 – Labor Day
- 11/ 11/ 24 – Veterans Day
- 11/ 28 & 29/ 24 – Thanksgiving

## **ANSC 271 FALL 2024 SCHEDULE: BY WEEK and ASSESSMENTS: Subject to Change**

**Note:** Besides the readings in textbooks, other resources may be added for additional information, they will be uploaded to the Shared Student Google Drive usually in the folder of the content for that academic week.

### **Week 1: August 26: Introduction/Syllabus**

**Topics:** Introduction to aseptic technique and surgical preparation; tasks of each surgical team member

**Reading: Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 2-4, 14-18, 38-39, 68-83, Chapters 5,6,7

4<sup>th</sup> Edition pp: 1-10, 72-86, Chapters 7,8,9

**Lectures:** 1-01, 1-02, 1-03

**Supplement 1-01**

### **Week 2: September 2: HOLIDAY – LABOR DAY**

#### **Anesthesia Machine & Surgical supplies**

**Topics:** Introduction to the anesthesia machine & Surgical Supplies

**Reading:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 4-14, 18-39

4<sup>th</sup> Edition pp: 34-44, 12-33

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche): Chapter 4**

**Supplements 2-01, 2-02, 2-03**

**Lectures:** 2-04, 2-05

**Q&A – 8pm 09/04, 8am 09/05, 1pm 09/05, Lectures: 1-01, 1-02, 1-03, Supplement 1-01, HW 1**

**HW – 1 due by 11:59 pm 09/05**

### **Week 3: September 9 : Preoperative prep & Patient Evaluation**

**Topics:** Preoperative Prep & Patient Evaluation Readings:

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 57-68, Chapter 2

4<sup>th</sup> Edition pp: 61-72, Chapter 4

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche)**

**5<sup>th</sup> Edition: pp: 7-33**

**6<sup>th</sup> Edition: pp 7-36**

**Lecture: 3-06**

**Q&A – 8pm 09/11, 8am 09/12, 1pm 09/12, Lectures: 2-04, 2-05, Supplements 2-01, 2-02, 2-03, HW 2**

**HW – 2 due by 11:59 pm 09/12**

**QUIZ 1: Lectures sets 1 and 2, Available 09/12 (2:30 pm) to 09/13 (11:59 pm)**

## **Week 4: September 16: Anesthetic Monitoring & Equipment**

**Topics:** Anesthetic Monitoring & Equipment; including EKG/ECG Basics

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 86-98

4<sup>th</sup> Edition pp: 88-101

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche): Chapter 6**

**Supplements: 4-01, 4-02**

**Lectures: 4-07, 4-08, 4-09, 4-10, 4-11**

Q&A – 8pm 09/18, 8am 09/19, 1pm 09/19, Lectures: 3/06, HW 3

HW – 3 due by 11:59 pm on 9/14

## **Week 5: September 23: Anesthetic drugs**

**Topics:** Introduction to Premedication and Sedation/analgesics

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 49-55

4<sup>th</sup> Edition pp: 53-59

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche): Chapter 1, pps 52-72**

**Supplements: 5-01, 5-01, 5-03, 5-04, 5-05**

**Lecture: 5-12**

Q&A – 8pm 09/25, 8am 09/26, 1pm 09/26, Lectures:4-07, 4-08, 4-09, 4-10, 4-11,

Supplements: 4-01, 4-02, HW 4

HW – 4 due by 11:59 pm on 09/26

Quiz – 2 : Lecture sets 3 & 4 Available 09/26 (2:30 pm) to 09/27 (11:59 pm)

## **Week 6: September 30: IV Induction agents & Inhalants**

**Topics:** Induction to IV Induction Agents & gas anesthetic agents

**Readings:**

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche)**

5<sup>th</sup> Edition pp: 72-92

6<sup>th</sup> Edition pp: 82-101

**Suppliment: 6-01**

**Lectures: 6-13, 6-14**

Q&A – 8pm 10/02, 8am 10/03, 1pm 10/03, Lectures:5-12, Supplements: 5-01, 5-02, 5-03, 5-04, 5-05, HW 5

HW-5 due by 11:59 pm on 10/03

## **Week 7: October 7: Complications**

**Topics:** Anesthetic Complications

**Readings:**

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche): Ch. 13**

**Lectures: 7-15, 7-16**

**Supplement: 7-01, 7-02**

Q&A – 8pm 10/09, 8am 10/10, 1pm 10/10, Lectures: 6-13, 6-14, Supplements: 6-01, HW 6

HW – 6 due by 11:59 pm on 10/10

Quiz – 3 : Lecture sets 5 & 6 Available 10/10 (2:30 pm) to 10/11 (11:59 pm)

## **Week 8: October 14 : IV Infusions**

**Topics:** IV Fluids, Blood transfusions

**Readings:**

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche):**

5<sup>th</sup> Edition: pp. 33-49 + Table 2-8

6<sup>th</sup> Edition: pp. 33-52 + Table 2-10

**Supplement: 8-01: Fluid Therapy Calculations**

**Lectures: 8-17, 8-18**

Q&A – 8pm 10/16, 8am 10/17, 1pm 10/17, Lectures:7-15, 7-16, Supplement:7-01, 7-02, HW 7

HW – 7 due by 11:59 pm on 10/17

## **Week 9: October 21: Pain Management**

**Topics:** CRIs, Pain Management, Rehabilitation

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition : Chapter 10

4<sup>th</sup> Edition : Chapter 12

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche): Chapter 8**

**Supplement: 9-01, 9-02, 9-03, 9-04, 9-05 : CRI Calculations and Practice Problems**

**Lectures: 9-19, 9-20, 9-21:Rehabilitation Reading**

Q&A – 8pm 10/23, 8am 10/24, 1pm 10/24, Lectures:8-17, 8-18, Supplement:8-0, 8-02, HW 8

HW – 8 due by 11:59 pm on 10/24

Quiz – 4 : Lecture sets 7 & 8, Available 10/24 (2:30 pm) to 10/25 (11:59 pm)

## **Week 10: October 28: Post-op, Wounds, and Workplace Safety**

**Topics:** Post-Operative Care & Cleaning, Wounds, Surgeries, Workplace safety

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 209-233, 243-

272 4<sup>th</sup> Edition pp: 212-236, 245-272

**Anesthesia & Analgesia for Veterinary Technicians (Thomas / Lerche) : Ch. 5**

**Lectures: 10-22, 10-23, 10-24, 10-25**

**Supplement 10-01**

Q&A – 8pm 10/30, 8am 10/31, 1pm 10/31, Supplements: 9-01, 9-02, 9-03, 9-04, 9-05, HW 9

HW – 9 due by 11:59pm on 10/31

## **Week 11: November 4**

**Topics: FOR QUIZ 6 :** Fiber Optic Equipment and Minimally Invasive

Procedures

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 179- 205

4<sup>th</sup> Edition pp: 183-208

**Lecture: 11-26**

**Topics: FOR HOMEWORK 11**

**Urogenital Surgeries**

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 129-130, 144-154, 267-268, 269-270

4<sup>th</sup> Edition pp: 131-132, 146-157, 250-251

**SURGICAL PRESENTATIONS**

11-01:Ovariohysterectomy (dog vs. cat)

11-02:Cesarean section

11-03:Pyometra

11-04:Castration (dog vs. cat)

11-05:Cystotomy - Bladder Stones

11-06:Urethral Obstruction (blocked cat)

Q&A – 8pm 11/06, 8am 11/07, 1pm 11/07, Lectures:9-19, 9-20, 9-21, HW 10

HW – 10 due by 11:59pm on 11/07

Quiz – 5 : Lecture sets 9, Available 11/07 (2:30 pm) to 11/08 (11:59 pm)

## Week 12: November 11 (Holiday)

**Topics:** Gastrointestinal / Associated Structures surgeries

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 130-144, 267

4<sup>th</sup> Edition pp: 132-146, 250

### **SURGICAL PRESENTATIONS**

12-01:GDV

12-02:GI Foreign Body

12-03:Intussusception

12-04:Protosystemic Shunt

Q&A – 8pm 11/13, 8am 11/14, 1pm 11/14, Lectures:10-22, 10-23, 10-24, 10-25, Supplement 10-01, HW 11

HW – 11 due by 11:59 pm on 11/14

## Week 13: November 18

**Topics:** Integumentary / Ear / Eye surgeries

**Readings:**

**Small Animal Surgical Nursing (Tear): pages:**

3<sup>rd</sup> Edition pp: 154-163, 268-269

4<sup>th</sup> Edition pp: 157-165, 251-252

### **SURGICAL PRESENTATIONS**

13-01:Aural Hematoma

13-02:Lateral Ear Canal Resection

13-03:Entropion

13-04:Prolapsed Gland of the Nictitans

13-05:Anal Sacculectomy

Q&A – 8pm 11/20, 8am 11/21, 1pm 11/21, Lecture:11-26, HW 12

HW-12 Due by 11:59 pm on 11/21

Quiz – 6 : Lecture sets 10 & 11, Available 11/21 (2:30 pm) to 11/22 (11:59 pm)

## Week 14: November 25 **THANKSGIVING WEEK**

No: Q&A, HW due, Quiz

## Week 15: December 2

### Topics: Orthopedic / Neurologic Surgeries

#### Readings:

**Small Animal Surgical Nursing (Tear): pages:**

**3<sup>rd</sup> Edition pp: 161-179, 265-266, 268, 269**

**4<sup>th</sup> Edition pp: 165-183, 249-250, 252-253**

14-01:Femoral Fracture

14-02:Femoral Head Osteotomy

14-03:Cranial Cruciate Repair

14-04 a&b:Onychectomy (declaw and dewclaw removal)

14-05:Forelimb Amputation

14-06:Tail Amputation

14-07:IVDD

#### **EXTRA CREDIT: Solensia and Librela**

Q&A – 8pm 12/04, 8am 12/05, 1pm 12/05, HW 13

HW – 13 due by 11:59 pm on 12/05

## Week 16: December 4

Q&A – 8pm 12/11, 8am 12/12, 1pm 12/12, HW 14, HW – Extra Credit : Solensia and Librela

HW – 14 due by 11:59 pm on 12/12

HW – Extra Credit : Solensia and Librela due by 11:59 pm on 12/12

## Week 17: Final Exam Finals' week:

### **DETAILED Assessments and Grading SCHEDULE (Subject to Change)**

<b>Assessment</b>	<b>Point Value</b>	<b>Topic</b>	<b>Date/Due</b>
HW – 1	30 points	Week 1 Readings	09/05
HW – 2	30 points	Week 2 Readings	09/12
HW – 3	30 points	Week 3 Readings	09/19
HW – 4	30 points	Week 4 Readings	09/26
HW – 5	30 points	Week 5 Readings	10/03
HW – 6	30 points	Week 6 Readings	10/10
HW – 7	30 points	Week 7 Readings	10/17
HW – 8	30 points	Week 8 Readings	10/24
HW – 9	30 points	Week 9 Readings	10/31
HW – 10	30 points	Week 10 Readings	11/07
HW – 11	40 points	Week 11 Readings	11/14
HW – 12	40 points	Week 12 Readings	11/21
HW – 13	40 points	Week 13 Readings	12/05
HW – 14	40 points	Week 15 Readings	12/12
<b>Subtotal</b>	<b>460 points</b>		



<b>Assessment</b>	<b>Point Value</b>	<b>Topic</b>	<b>Date/Due</b>
Quiz – 1	30 points	Lectures Weeks 1&2 Lectures 1-01, 1-02, 1-03, 2-04, 2-05	09/12-13
Quiz – 2	30 points	Lectures Weeks 3&4 Lectures 3-06, 4-07, 4-08, 4-09, 4-10, 4-11	09/26-27
Quiz – 3	30 points	Lectures Weeks 5&6 Lectures 5-12, 6-13, 6-14	10/10-11
Quiz – 4	30 points	Lectures Weeks 7&8 Lectures 7-15, 7-16 8-17, 8-18	10/24-25
Quiz – 5	30 points	Lectures Week 9 Lectures 9-19, 9-20, 9-21(Reading)	11/07-08
Quiz – 6	30 points	Lectures Weeks 10&11 Lectures 10-22, 10-23, 10-24, 10-25 11-26	11/21-22
<b>Subtotal</b>	<b>180 points</b>		
Final Exam	300 points	All Content:	Finals Week
<b>Subtotal</b>	<b>300 points</b>		
Attendance	60 points		
<b>TOTAL</b>	<b>1000 points</b>		

### **GOOGLE STUDENT DRIVE CONTENT FOLDER**

#### **ANSC 271a Fall 2024 student syllabus+ 1**

Syllabus 2024  
Student Handbook  
271 Lab Resources  
Week 1 Student Folder

#### **ANSC 271b Fall 2024 student 2-4**

Week 2 Student Folder  
Week 3 Student Folder  
Week 4 Student Folder

#### **ANSC 271c Fall 2024 student 5-8**

Week 5 Student Folder  
Week 6 Student Folder  
Week 7 Student Folder  
Week 8 Student Folder

#### **ANSC 271d Fall 2024 student 9-11**

Week 9 Student Folder  
Week 10 Student Folder  
Week 11 Student Folder

#### **ANSC 271e Fall 2024 student 12-15**

Week 12 Student Folder  
Week 13 Student Folder  
Week 15 Student Folder