



UNIVERSITY of HAWAII®
WINDWARD
COMMUNITY COLLEGE

ANSC 258: Clinical Laboratory Techniques II Lecture

CRN: 63428 Asynchronous Online

EFFECTIVE DATE: Fall 2022

INSTRUCTOR: Matthew Tsuda, RVT

OFFICE: Hale Imiloa 104

CONTACT ME:

1. Campuswire
2. Email: mttsuda@hawaii.edu
3. Cell: 808-343-7507 (emergencies only)

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

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.

CATALOG DESCRIPTION

A continuation of ANSC 151& 151L, this course provides students with additional instruction and hands-on experience with laboratory tests commonly used in veterinary practice. Topics include: 1) identification of internal parasites, 2) performance and evaluation of microbiologic and serologic tests, 3) collection & evaluation of cytological samples, 4) veterinary necropsy procedures. Included in this course is a review of the anatomy and physiology of major body systems and an overview of common diseases seen in veterinary practice. This course is intended for students entering veterinary assisting, veterinary technology or other animal-related fields.

STUDENT LEARNING OUTCOMES

As a result of taking this course, students can expect to attain the following outcomes:

- Distinguish different types of bacteria and the methods used to identify common bacteria in veterinary medicine.
- Identify and describe the life cycle of select internal and external parasites of companion animals, livestock, & exotic species.
- Compare the different aspects of the immune system and discuss immunologic testing commonly performed in veterinary medicine.

COURSE TASKS

- 1) Watch pre-recorded lecture videos.
- 2) Complete assigned videos, readings, and weekly course tasks.
- 3) Complete a parasite presentation project and case study project.
- 4) Complete 10 quizzes.

5) Complete 2 examinations and 2 Exam Reviews

LEARNING RESOURCES

Required: Laboratory Procedures for Veterinary Technicians, Margi Sirois, Elsevier (Newest edition)
(AND LAB MANUAL)

Recommended: Veterinary Clinical Parasitology, Zajac, Conboy, Wiley

Recommended: McCurnin's Clinical Textbook for Veterinary Technicians, Bassett, Joanna, Elsevier

Recommended: Diagnostic Parasitology for Veterinary Technicians, Hendrix, Robinson, Elsevier

TUTORS:

Sarah Krupp: vettechtutorsarah.youcanbook.me

Nora Sender: vettechtutornora.youcanbook.me

Mele Summa: vettechtutorme.youcanbook.me

ASSESSMENT TASKS AND GRADING

CASE STUDY: 50 points – Students will be required to create a case study for the class. The format for the case study will be discussed in class. Case Studies will be presented via video format on Laulima.

PARASITE PRESENTATIONS: 30 points. Each student will be assigned five parasites that will be presented via video recording (2-5 minutes) and be added to the shared Google slides presentation as well as Laulima. More details to be found on Laulima.

QUIZZES: 100 points total – Quizzes will be completed on Laulima. Each quiz is worth 10 points. **All quizzes must have an accompanying Loom link to verify academic honesty. Submitted quizzes with no Loom link will not be eligible for points.**

EXAM REVIEWS: 40 points total – Students are expected to complete reviews prior to each exam. Each is worth 20 points (20 questions). Instructions: each student will write **questions** with the CORRECT answers from the chapters for the upcoming exam, **post it** to Laulima, and **copy+paste** to class shared drive into ONE DOCUMENT.

LAB MANUAL ASSIGNMENTS: (30 points - 10 points for each time you turn it in) Students will complete the Lab Manual that accompanies the textbook and upload the assignment onto Laulima.

EXAMINATIONS: 200 points total – Two exams, each worth 100 points; final is cumulative. **All exams must have an accompanying Loom link to verify academic honesty. Submitted exams with no Loom link will not be eligible for points.**

Case study	50
Parasites	30
Quizzes	50
Exam Review	40
Lab Manual	30
Exams	200
Total	400

	Letter
90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	F

Please note that “N” grades are not given for this course

Grades may be curved/adjusted at the instructor’s discretion; however, the student should use the above grading scale to evaluate their performance throughout the class. If you miss an examination because of a illness or legitimate emergency, you must contact the instructor **within 48 hours** to arrange a time to take make-up exam. The instructor will request that the student present evidence of the illness or emergency that caused the student to miss the exam. While make-up exams will cover the same content area as a missed exam, the exam format and specific questions may be different. **No retests will be given for any reason**

COURSE CONTENT. – AVMA Knowledge-based skills:

Identify blood parasites: Dirofilaria sp/Acanthocheilonema sp (formerly Dipetalonema sp)
Identify blood parasites: Hemotropic Mycoplasma sp (Hemoplasmas) (formerly Haemobartonella sp and Eperythrozoon sp)
Identify common blood parasites.
Perform parasitologic procedures for external parasites and identify: mites
Perform parasitologic procedures for external parasites and identify: lice
Perform parasitologic procedures for external parasites and identify: ticks
Perform parasitologic procedures for external parasites and identify: fleas
Perform parasitologic procedures for external parasites and identify: flies
Identify common parasitic forms: Nematodes
Identify common parasitic forms: Trematodes
Identify common parasitic forms: Cestodes
Identify common parasitic forms: Protozoa
Perform coprologic tests

ADDITIONAL INFORMATION

MySuccess: Students may be referred for extra help or advising through MySuccess. Students can also explore resources at MySuccess.Hawaii.edu and windward.hawaii.edu/MySuccess]

STUDENT RESPONSIBILITIES

The student is expected to view lecture videos, attend class, participate in all course activities, and complete all examinations and course assignments **on time**. Any changes in the course schedule, such as examination dates, deadlines, etc., will be announced ahead of time on the course website, on Campuswire, and by UH email. Students should check their UH email

address regularly (at least every 48 hrs.) so that they can be informed of course changes 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).

Academic integrity

Students involved in academic dishonesty will receive demerit points, lost points, and be referred to the Vice Chancellor for Student Affairs.

Academic dishonesty includes cheating on exams, copying assignments, and plagiarism. Simple rule: if it is worth points, you must do your own work. If you get stuck, post it to the feed in Campuswire.

Work submitted by a student must be the student's own work. The work of others should be explicitly marked, such as 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, lab sheets or lab notebooks, and for cheating on a quiz/exam. Students will receive demerit points, to go into their VETT Student record, per the VETA/VETT Student Handbook

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

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.

COURSE POLICIES AND COMMUNICATION

Participating in our Learning Community: Class Communication

A discussions forum will be established for this course in Campuswire. This is where all course communication will happen.

Class Feed:

- General feed is where announcements, reminders, surveys will be posted by the instructors.
- Student Posts feed will be used by all students in the course if they are stuck, unsure, or need some guidance. Students are able to answer other student questions, and the instructor will chime in as needed. You are able to ask and answer questions anonymously.
- If you'd like to post funny_memes_random that chatroom place where students and the instructor can share humor or clever tips along the way. This is a place of fun, but please keep it clean (no cursing, no nudity)...basically, if you wouldn't show it to MY mom, don't post it here.

Chatrooms:

- Will be used for all group-work communication. Do not use the anonymous feature if you want the points for groupwork.

Netiquette: (Network etiquette - appropriate behavior online)

- 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.

All students are expected to read: [UH Netiquette and Safety](#)

Contacting the Instructor

If you have questions or anything course/content related, please post to Campuswire Feed, so all of your classmates can benefit. If it is grade related, private, or very specific to your situation, please email Matt at mttsuda@hawaii.edu

Timeline: whether over Campuswire or email - I will answer within 24 hrs Mon-Fri. If you contact me over the weekend, you can expect a response sometime on Monday.

HOW TO SUCCEED IN THIS CLASS

Although you can download all lecture outlines and course materials, you will not succeed in this class without reading your textbook and taking detailed notes. Merely *reading* the chapter will not suffice. Science courses at WCC generally require a minimum of three hours of independent study time for each hour in class. It is your responsibility to allocate the appropriate amount of time needed for study and be realistic about all personal and professional commitments that may cut into your study time.

This class covers a variety of clinical laboratory techniques that requires a good understanding of animal anatomy and physiology. You may need to review your physiology textbook and class notes to fully understand how to use and apply diagnostic laboratory tests. Form effective study groups with your classmates. Come prepared, meet on a schedule, change up the format. If you'd like more guidance on study groups, please ask.

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 A.-K. Asato
Counselor, Disability Student Services Office
Hale Kako'o 105
phone: [808-235-7472](tel:808-235-7472)
email: wccdsso@hawaii.edu

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

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:

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Email: advocate@hawaii.edu

Office: Hale Kāko‘o 110

Kaahu Alo

Student Life Counselor, Designated Confidential Advocate for Students

kaahualo@hawaii.edu

[808-235-7354](tel:808-235-7354)

Desrae Kahale, Mental Health Counselor & Confidential Resource

Phone: (808) 235-7393

Email: dkahale3@hawaii.edu

Office: Hale Kāko‘o 101

Leslie Cabingabang

UH Confidential Advocacy

Work: [808-348-0432](tel:808-348-0432)

Email: leslie.cabingabang@hawaii.edu

Campus: Hawai‘i Community College, Honolulu Community College, Kapi‘olani Community College, Leeward Community College, Mānoa, System, West O‘ahu, Windward Community College

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/

ALTERNATE CONTACT INFORMATION

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

Dr. Kelly: jennyrk@hawaii.edu

Stacie Kissel: kupahu@hawaii.edu

If you 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

Week	Day	LECTURE TOPIC	READING/VIDEOS	What's Due?
1	MON 8/22	Syllabus, Intro to ANSC 258 Parasite testing and Intro to Nematodes	P p. 259-260 P Ch 49-50, p 261-268	Select Case Study Topic Quiz 1 (open syllabus)
2	MON 8/29	Basic Principles of Immunity Common Immunologic Lab Tests (In-house)	I p.105, Ch 19-20	Quiz 2 (parasites)
3	MON 9/5	ASCAROIDA & STRONGYLOIDA Blood Groups & Immunity, Intradermal Testing	P Ch 45 I Ch 21, 22	
4	MON 9/12	TRICHOSTRONGYLOIDA, RHABDITIDA, METASTRONGYLOIDA TRICHUROIDA – OXYUROIDA	P Ch 45	FAST TRACK LAB Quiz 3 (Immunology)
5	MON 9/19	SPIRURIDA – DRACUNCULIDA – DIOCTOPHYMOIDA Reference Lab Immunoassays	P Ch 45 I Ch 23	Quiz 4 (rounds, hooks, blood typing)
6	MON 9/26	FILARIDA	P Ch 45	Quiz 5 (ref lab; parasites) EXAM 1 Review Qs
7	MON 10/3	Disorders of the Immune System	I Ch 24	WB: Micro
8	MON 10/10	EXAM 1 – 100 points		
9	MON 10/17	TRUE TAPEWORMS PSEUDOTAPEWORMS Micro: Intro, supplies, samples, staining	P Ch 46 M: p.214 Ch 37-40	Case Study (First Draft)
10	MON 10/24	Micro: Culture techniques Micro: Additional Microbiology Testing	M Ch 41; 43	FAST TRACK LAB Quiz 6 (Tapeworms; Into to micro)
11	MON 10/31	FLUKES, THORNY HEADED WORMS PROTOZOA, RICKETTSIA	P Ch 46 P Ch 47	Case Study & video
12	MON 11/7	INSECTS Micro: Antimicrobial Sensitivity Testing (C/S)	P Ch 48 M Ch 42	Quiz 7 (micro; parasites)
13	MON 11/14	INSECTS Micro: Mycology	P Ch 48 M Ch 44	Quiz 8 (micro; parasites)
14	MON 11/21	MITES	P Ch 48	Quiz 9 (cumulative)
15	MON 11/28	TICKS	P Ch 48	FAST TRACK LAB Quiz 10 (cumulative) EXAM 2 Review Qs
16	MON 12/5	Review		WB: Parasites & Microbiology
FINAL	EXAM 2 – 100 points (cumulative)			