

Veterinary Anatomy and Terminology  
Animal Health 50  
Spring 2017

Section 7617, 3.0 Semester Units  
PC 630 Call Bldg, Petaluma Campus, SRJC  
Wed 6-9pm, 01/18-05/24 (see schedule for details)

Instructor: Pam Wittenberg, DVM  
E-mail: [pwittenberg@santarosa.edu](mailto:pwittenberg@santarosa.edu) Email is the best route of communication.  
Office Hours: by appointment 683 PC Call Bldg

Suggested Prerequisites: Bio 10 or equivalent college level biology course

**Course Description:**

Introduction to the **anatomy** and **physiology** of all major body systems with a focus on companion animal species (canine and feline). Background information including **chemistry** and cell/microbiology are part of the initial weeks of instruction. This class will progress in a body systems format with an emphasis on veterinary medical **terminology**. Common diseases, commonly used veterinary diagnostics and treatments and veterinary acronyms are woven throughout the course. Organ systems covered will include Auditory, Cardiovascular, Digestive, Endocrine, Hematologic, Integumentary, Lymphatic, Muscular, Nervous, Ocular, Respiratory, Reproductive, Skeletal, and Urinary systems.

**Student Learning Outcomes:**

By the completion of this course you will be able to

- 1) Recognize and identify the normal anatomy of selected organs and organ systems of domestic animals and relate it to the clinical practice of veterinary technology.
- 2) Apply a fundamental anatomical and veterinary medical vocabulary to speaking and writing.
- 3) Discuss the importance of anatomical structure and terminology knowledge to daily clinical work with the canine and feline.

**Objectives:**

Upon completion of this courses, students will be able to:

- 1) Identify normal anatomy and physiology of small companion animals.
- 2) Discuss and define the terminology of all major organ systems in small companion animals.
- 3) Define terminology used in small animal veterinary practices.
- 4) Identify disease progression of small animals using appropriate terminology.
- 5) Describe career opportunities including required education in the animal health field.
- 6) Demonstrate an understanding of basic biochemistry, and how it is relevant to animal nursing

Full course outline: [https://portal.santarosa.edu/SRweb/SR\\_CourseOutlines.aspx?CVID=25893&Semester=20157](https://portal.santarosa.edu/SRweb/SR_CourseOutlines.aspx?CVID=25893&Semester=20157)

***Please save this syllabus if you intend to sit for the California board examinations for Registered Veterinary Technicians.*** The board **will** ask to review syllabi to verify course content for all required courses.

**Texts:**

Required: An Illustrated Guide to Veterinary Medical Terminology 4<sup>rd</sup> ed by Janet Romich

Recommended: Clinical Anatomy and Physiology for Veterinary Technicians 3<sup>rd</sup> ed by Thomas Colville and Joanna M Bassert

A veterinary medical dictionary, an anatomy coloring book

**Attendance:**

Course Schedule: Every week on Wed from 6pm-9pm.

First Day of class **01/18/17** through Final Exam **5/24/17**

1. It is important for students to attend every class. Every class is a new topic, being absent in a single class will mean missing the information one or more entire organ systems.
2. Do **not** contact the instructor to be updated on information from missed classes.
  - a. **It is the responsibility of each student to be present during all course hours or arrange with another student to obtain missed information.**
3. NO POINTS CAN OR WILL BE EARNED FOR A MISSED CLASS ASSIGNMENT OR A MISSED EXAMINATION EXCEPT FOR THE MOST EXTRAORDINARY CIRCUMSTANCES. Permission for making up any missed work will be granted only for authorized absences arranged in ADVANCE of the absence in case of sickness, injury, college approved field trip or activity, or death in the immediate family. In those cases, it is the responsibility of the student to notify the professor prior to the class. Make-ups for missed work and examinations will be considered only if all of the following conditions have been met:
  - a. You called or emailed the instructor before the class meeting.
  - b. You have a valid, legitimate, and substantiated excuse. A substantiated excuse requires something that is written on official letterhead stationary, that can be verified, and for which there was no alternative.
4. An authorized absence does not excuse students from any course work.
5. Work missed due to unauthorized absence cannot be made up and a grade of zero will be recorded.
6. **Students who miss 10% of instruction (two classes) are subject to being dropped from the class. This is not a guarantee. If a student intends to drop the course it is their responsibility to do so.**

**Communication and Class notes:**

1. Email is the primary means of communication outside of class instruction time
2. It is the student's responsibility to ensure that SRJC has your correct email address and that the student checks their email regularly.
3. A copy of the text component of many but not all presentation materials will be made available to students using in pdf, doc, or text format. Files will be distributed via the SRJC File Depot or Moodle system. Any needed links to these files will be emailed to students.
4. Students are responsible for knowing and adhering to due dates for reading assignments, homework, and other in-class activities. Changes to the schedule will be announced during class time and emailed to students. Students are responsible for noting all changes and adhering to them.

### **Classroom Behavior:**

1. The SRJC has a diverse student population. Students will treat each other with respect regardless of differences in experiences or clinical veterinary skill level. Students with extensive workplace experience who wish to share with classmates will be given opportunities and encouraged through class participation and discussion.
2. Every student will abide by the SRJC Student Code of Conduct. Because personal accountability is inherent in an academic community of integrity, this institution will not tolerate or ignore any form of academic dishonesty.
  - a. Academic dishonesty is regarded as any act of deception, benign or malicious in nature, in the completion of any academic exercise. Examples of academic dishonesty include cheating, plagiarism, impersonation, misrepresentation of idea or fact for the purpose of defrauding, use of unauthorized aids or devices, falsifying attendance records, violation of testing protocol, inappropriate course assignment collaboration, and any other acts that are prohibited by the instructor of record.
3. Please refer to SRJC policy 3.11 on Academic Integrity and the Student Conduct Code, in the SRJC Catalog and part of Policy 8.2.8, Student Discipline for more information.
4. Distracting activity such as cell phone use and texting must be done outside of class. Have all cell phones out of sight and off or in "silent" mode during class. **Any disruption of the classroom** by cell phones, including having an audible ring or vibration, will result in a deduction of 1% of from the course grade or three dozen homemade cookies or equivalent treat for the entire class to share.
5. No personal pets are allowed on SRJC campus. (nor in your car or in the classroom)

### **Academic Support and Students with Disabilities**

1. Your success in this course depends upon minimizing barriers to learning as well as establishing an adequate foundation of academic skills.
2. If you need disability related accommodations for this class, such as a note taker, test taking services, special furniture, etc., please provide the Authorization for Academic Accommodations (AAA letter) from the Disability Resources Department (DRD) to the instructor as soon as possible.
  - a. You may also speak or email with the instructor privately during office hours about your accommodations.
3. If you have not received authorization from DRD, it is recommended that you contact them directly.

<b>Program</b>	<b>Location</b>	<b>Phone</b>
College Skills	Analy Village #601	527-4834
Disability Resources	Analy Village #637	527-4278
In Petaluma:	Jacobs Hall #101	778-2491
Tutorial Center	Doyle Library #4251	521-6903
In Petaluma:	Doyle Hall	778-2409
Writing Center	Emeritus Hall, #1629	527-4351
In Petaluma:	Call Building #690	778-4195

### **Emergencies**

1. In an emergency, District Police can be reached at (707) 527-1000 (Both campuses)
2. In the event of an emergency during class that requires evacuation of the building, please leave the class immediately, but calmly. Our class will meet to make sure everyone got out of the building safely and to receive further instructions.
3. You can subscribe to either email or text announcements from SRJCPolice and other local law enforcement via nixle. Visit [www.nixle.com](http://www.nixle.com) to enroll for this free service.

## **Assessment and Grading:**

### **Homework Assignments: 10%** (approximately 1% per class session)

A 2 to 5 page homework assignment/study questions covering relevant material will be assigned for most class sessions. These assignments will be available via the class Canvas website. Students are expected to print out the assignment and hand write their answers directly on the assignment. Homework is due at the beginning of class and will not be accepted late. Homework must be fully completed to receive any credit.

### **In lecture activities: 15%** (approximately 1% per class session)

During each lecture period there will be a variety of activities. Participation in these activities is a critical part of the learning process. The instructor may elect for active participation, clicker questions, or a combination of the two to contribute to the graded component for any given class session.

Among the activities will be at least 10 questions. These questions may either review from previous material or cover today's topic. The instructor will let you know during the question period if notes, textbook or other review materials can be used or not. During ALL questions you are encouraged to discuss and collaborate with your fellow classmates.

For each question there are 2 points possible. As long as you are present in class and answer the question you will receive one point. If you give the correct answer you will be given two points. These questions will be answered using iClickers. It is the student's responsibility to select the correct clicker at the beginning of class, ensure it is working properly, and return the clicker at the end of class.

Students can miss one homework assignment and one lecture session with no penalty to their grade.

### **Unit Tests - 45%**

- 1) Unit Test 1 will be on 2/8. This exam is worth 10% of your total grade. This exam will cover material from class 1-3.
- 2) Unit Test 2 will be on 3/15. This exam is worth 15% of your total grade. 70% of the questions on this exam will be from classes 4-7. 30% of the questions will be from classes 1-3.
- 3) Unit Test 3 will be on 4/19. This exam is worth 20% of your total grade. 70% of the questions on this exam will be from classes 9-12. 30% of the questions will be from classes 1-7.
- 4) For all tests: Question types include multiple choice, true/false, short answer, or fill-in. Bring a #2 pencil and 100 question Scantron sheet for the each Unit Test.

### **Final Examination – 30%**

The final exam will be on 5/24 and include material from entire course.

On this exam approximately 25% of the questions will cover material from lectures 14, & 15, and 75% of the exam questions will cover material from lectures 1-12.

Final Exam questions will be in multiple choice, true/false, short answer or fill-in format. You will need to bring a #2 pencil and 200 question Scantron sheet for the final exam.

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Grading system is based on a percentage scale.

90-100% = A

80-89% = B

70-79% = C

60-69% = D

< 60% = F

A credit/no credit option is available for this class.

Students must achieve a 60% on the final exam to pass the course.

Course Schedule  
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Date	Class #	Topics	Romich text	Colville text	Colville text (3rd)
1/18/17	1	Course Introduction, Terminology and Word Structure, Directional Anatomy	Ch 1, 2	Ch 1	Ch 1
1/25/17	2	Cardiovascular System Intro	Ch 8	Ch 8	Ch 14
2/1/17	3	Cardiovascular continued, development & neoplasia terminology	Ch 8	Ch 2, 3,	Ch 14
<b>2/8/17</b>	4	<b>Test 1</b> and Animal Health Careers			
2/15/17	5	Skeletal System. Development and Growth Terms	Ch 3	Ch 4, 6	Ch 7
2/22/17	6	Digestive System & Basic Biochemistry	Ch 6	Ch 2, 11	Ch 16
3/1/17	7	Respiratory & Urinary System	Ch 7, 9	Ch 10, 16	Ch 15, 18
3/8/17	8	Respiratory & Urinary System	Ch 7, 9	Ch 10, 16	Ch 15, 18
<b>3/15/17</b>	9	<b>Test 2</b> and Guest Speaker			
3/22/17		<b>SPRING BREAK</b>			
3/29/17	10	Muscular and Integumentary Systems	Ch 3, 10	Ch 7, 5	Ch 8, 6
4/5/17	11	Hematologic, Lymph, Immune systems	Ch 15	Ch 9	Ch 12, 13
4/12/17	12	Nervous System	Ch 13	Ch 13	Ch 9
<b>4/19/17</b>	14	<b>Test 3</b> and Necropsy			
4/26/17	13	Eyes and Ears	Ch 14	Ch 14	Ch 10
5/3/17	15	Reproductive & Endocrine System	Ch 12	Ch 17, 18	Ch 19, 20
5/10/17	16	Repro & Endocrine Cont; Animal Eval, Testing, and Pharmacology terms	Ch 11, 16, 17	Ch 15	Ch 11
5/17/17	17	Review			
5/24/17		<b>Final Examination</b>			