

## SC526O/ Veterinary Science Syllabus

Course Title----- Veterinary Science  
Course Number----- SC526O  
Grades:----- 09-12  
High School Credit Value:----- 0.5  
Prerequisites:----- None.

Course Length:----- Regular courses: 17 weeks  
CR: 9-17 weeks.

Course Time:----- Regular courses: 17 week schedule: 75 - 90  
minutes per school day (6-7.5 hours per  
week)  
Credit Retrieval: 75 - 90 minutes per  
school day (6-7.5 hours per week) until  
course completion.

### { Course Description }

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

#### **Course Materials:**

You will need an internet connection. Headphones with a microphone are strongly recommended as a means of communicating with the instructor in online study sessions.

#### **State Alignments**

Washington State Standards guided the design of the course. Learning expectations are found within the course itself.

#### **Science Standards:**

EALR 1 SYSTEMS: The student knows and applies scientific concepts and principles to understand the properties, structures, and changes in physical, earth/space, and living systems.

EALR 2 INQUIRY: The student knows and applies the skills, processes, and nature of scientific inquiry.

EALR 3 APPLICATION: The student knows and applies science concepts and skills to develop solutions to human problems in societal contexts.

EALR 4 STRUCTURE AND FUNCTION OF LIVING SYSTEMS: The student understands the way living things are organized and carry on life processes, from the components of a single cell to

complex multicellular organisms such as humans.

**EALR 4 ECOSYSTEMS:** The student will explain how the relationships between organisms within and ecosystem make it possible to predict the consequences of change and provide insights into the sustainable use of natural resources.

**EALR 4 BIOLOGICAL EVOLUTION:** The student will explain how biological evolution is the essential framework for understanding how organisms change over time, from the first single-celled bacteria on the young Earth to the amazing diversity of species that populate our planet today. The student will use evidence and reasoning to recognize the patterns and scale of past changes.

**Reading Standards:**

EALR 1: The student understands and uses different skills and strategies to read.

EALR 2: The student understands the meaning of what is read.

EALR 3: The student reads different materials for a variety of purposes.

**Course Outline**

Unit 1: Introduction to Veterinary Science

Unit 2: Small Animal Medicine

Unit 3: Large Animal Medicine

Unit 4: Exotic Animal Medicine

Midterm Test

Unit 5: Poisoning and Toxicology

Unit 6: Veterinary Parasitology

Unit 7: Zoonotic Diseases

Unit 8: Holistic Veterinary Science and Medicine

Final Exam

**Course Work**

The eight units in this course are each organized in the following way:

1. You will read the text and answer a series of text questions.
2. Based on the text you've read, you will answer two discussion questions that you will share with the class.
3. After the discussion questions, you will watch a video lab and answer questions related to the lab.
4. Each unit will end with a unit quiz.

Please refer to the “How you will be graded” folder in the “Course Documents” folder to see how you should submit answers to text, discussion and lab questions. You can find this folder under the “Units” tab. There is also a midterm test over units 1-4 and a final exam over all of the material.

**Grading**

**Occupational Credit:**

This course may qualify for \*occupational credit. Please consult your school counselor for further clarification.

\*Please note that FLA901 (Sign Language) does not qualify for occupational credit.