

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
VET 125S VETERINARY ANATOMY AND PHYSIOLOGY
4 CREDIT HOURS

COURSE DESCRIPTION

Overview of the anatomic structures and physiologic functions of domestic animals, including large animal and avian species. Focus is on multiple body systems, including but not limited to, skeletal system, muscular system, cardiovascular system, respiratory system, digestive system, nervous system, endocrine system, urinary system, and reproductive system. Hands-on experience with models, live animals, and/or cadavers will be used.

Prerequisite: Department acceptance into the veterinary technology program. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
3	1. Demonstrate an understanding of the following body systems: tissues, integumentary system, skeletal system, muscular system, cardiovascular system, respiratory system, digestive system, nervous system, sensory organs, endocrine system, urinary system, and reproductive system.	1, 3, 6, 9
1	2. Identify the unique features and differences of anatomy and physiology in canine, feline, equine, ruminant, and avian species.	1, 3, 6, 9
1	3. Identify necropsy procedures, including postmortem examination, dissection, collection and shipment of non-preserved animals.	1, 3, 5,8

CORE VALUES

The Core Values are a set of principles that guide in creating educational programs and environments at Edison State Community College. They include communication, ethics, critical thinking, human diversity, inquiry/respect for learning, and interpersonal skills/teamwork. The goals, objectives and activities in this course will introduce/reinforce those Core Values wherever appropriate.

TOPIC OUTLINE

1. Cell structure and physiology
2. Tissues and membranes
3. Skeletal system
4. Muscular system
5. Nervous system
6. Cardiovascular system
7. Digestive system
8. Respiratory system
9. Excretory system
10. Reproductive system
11. Breeding and reproduction techniques
12. Endocrine system
13. Integumentary System
14. Sensory organs
15. Necropsy procedures, examination, dissection, collection, and shipment