

SYLLABUS  
PART I  
EDISON STATE COMMUNITY COLLEGE  
VET 140S VETERINARY NUTRITION  
1 CREDIT HOUR

**COURSE DESCRIPTION**

Overview of the nutritional requirements for dogs, cats, horses, and cows. Therapeutic foods, hospital nutrition protocols, and nutritional supplements will be covered. Prerequisite: VET 101S and VET 125S.

**COURSE GOALS**

The student will:

Bloom's Level		Program Outcomes
1	1. Identify essential nutrients and their role in supporting life.	1, 3
2	2. Explain energy requirements based on a particular life stage in multiple species.	1, 3, 6
2	3. Explain the role of nutrition in the management of multiple disease processes.	1, 3, 6
2	4. Compare pet food labels and packaging.	1, 3
2	5. Discuss the potential benefits and toxicities of nutritional supplements in companion and large animals.	1, 3, 6
3	6. Administer hospital nutrition protocols.	1, 2, 3, 6

**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. Energy-producing nutrients and non-energy-producing nutrients
2. Daily energy requirements
3. Nutritional requirements for each life stage of dogs and cats
4. Nutritional assessment
5. Pet food labels, guaranteed analysis, and ingredient panels
6. Hospital nutrition protocols
7. Nutritional factors in disease conditions:
  - a. Feline lower urinary tract disease
  - b. Obesity
  - c. Critical care nutrition (both enteral and parenteral)
  - d. Food allergy and hypersensitivity
  - e. Oral health
  - f. Canine cancer
  - g. Renal disease
8. Nutritional supplements (benefits and potential toxicities)
9. Nutrition and feeding requirements for equine, ruminants, camelids, and swine
  - a. Feed sources
  - b. Special nutritional requirements
  - c. Life stages
  - d. Diseases related to improper nutrition