

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
VET 260S VETERINARY SURGICAL PROCEDURES AND ANESTHESIOLOGY
2 CREDIT HOURS

COURSE DESCRIPTION

Overview of anesthetic drugs and pain management protocols. Students will also develop knowledge of routine surgical procedures in small and large animal medicine. Prerequisite: VET 250S.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
4	1. Explain the rationale, effects on the body, and advantages and disadvantages of commonly used intravenous, intramuscular, and inhalation anesthetic agents.	1, 2, 3, 5, 6, 9
5	2. Anticipate the components of general anesthesia, including the various stages and planes.	1, 2, 3, 6, 9
4	3. Explain the important concepts of analgesics.	1, 2, 3, 5, 6, 9
4	4. Explain common anesthetic problems, their causes, and solutions to prevent and resolve them.	1, 2, 3, 6, 9
4	5. Compare all aspects of patient management for common surgical procedures in various species.	1, 2, 3
1	6. Identify patients and scheduled surgical procedures by using medical records and patient identification methods	1, 2, 3, 5, 6, 8
4	7. Compare and contrast various animal surgical procedures.	1, 3
3	8. Prepare anesthetic drugs by using the correct dosage calculations, including fluid therapy.	1, 2, 3, 9

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. Pre-anesthetic and anesthetic drugs
2. Anesthetic-related drug calculations
3. Pain management protocols
4. Anesthetic complications
5. Resuscitation procedures, anesthetic antagonists, and emergency drugs
6. Surgical procedures and related equipment for the following categories:
 - a. Canine and feline ovariohysterectomy
 - b. Cesarean section for common species
 - c. Orthopedic procedures
 - d. Orchiectomy for common species
 - e. Tail docking
 - f. Onychectomy for felines and canines
 - g. Laparotomies for common species
 - h. Dystocias in common species
 - i. Bovine and caprine dehorning
 - j. Prolapsed organs: common types, species, and incidence