

SYLLABUS
PART I
EDISON STATE COMMUNITY COLLEGE
VET 220S HUSBANDRY, DISEASES, AND TECHNIQUES OF EXOTIC ANIMALS
2 CREDIT HOURS

COURSE DESCRIPTION

Overview of the unique husbandry, procedures, and common diseases of laboratory animals, pocket pets, avian species, reptiles, and amphibians. Students will perform hands-on techniques on mice, rats, rabbits, and birds.
Prerequisite: VET 160S. Lab fee.

COURSE GOALS

The student will:

Bloom's Level		Program Outcomes
4	1. Explain handling and breeding considerations, identification, signs of pain and distress, and health conditions of common laboratory and exotic species.	1, 2, 3, 6, 9
3	2. Demonstrate proper handling/restraint and common procedure performed on mice, rats, rabbits, and birds.	1, 2, 3, 6, 9
4	3. Explain normal physiological and nutritional parameters and appropriate housing conditions for common laboratory and exotic species.	1, 2, 3, 6, 9
1	4. Identify common analgesics and anesthetic procedure for common laboratory and exotic species.	1, 2, 3, 6, 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. Laboratory animals: mice, rats, hamsters, gerbils, rabbits, guinea pigs, and chinchillas.
 - a. Origin and uses in research
 - b. Nomenclature
 - c. Behavioral and physiological characteristics
 - d. Handling and restraint
 - e. Breeding considerations
 - f. Sampling and drug administration
 - g. Nutritional needs/diet and water requirements
 - h. Basic husbandry, grooming, and transportation
 - i. Reproduction
 - j. Signs of pain and distress
 - k. Health surveillance and conditions
 - l. Anesthesia and analgesia
2. Exotic species: ferrets, birds, reptiles, and amphibians
 - a. Origin and uses in research
 - b. Nomenclature
 - c. Behavioral and physiological characteristics
 - d. Handling and restraint

- e. Breeding considerations
- f. Sampling and drug administration
- g. Nutritional needs/diet and water requirements
- h. Basic husbandry, grooming, and transportation
- i. Reproduction
- j. Signs of pain and distress
- k. Health surveillance and conditions
- l. Anesthesia and analgesia