

Common Course Outline

VETT 204

Laboratory Animal Science

3 Semester hours

The Community College of Baltimore County

Description

Introduction in Laboratory and Exotic animal care including, Identification, Feeding, Caging, Handling, Disease, Nutrition, Anesthesia, Euthanasia and Ethics. Prerequisites: VETT 112, VETT 113, VETT 114

Overall Course Objectives

Upon completion of this course the student will:

1. Understand the restraint and husbandry of the Mouse.
2. Understand the restraint and husbandry of the Rat.
3. Understand the restraint and husbandry of the Gerbil.
4. Understand the restraint and husbandry of the Hamster.
5. Understand the restraint and husbandry of the Guinea Pig.
6. Understand the restraint and husbandry of the Rabbit.
7. Understand the restraint and husbandry of the Ferret.
8. Understand the restraint and husbandry of the Chinchilla.
9. Understand the restraint and husbandry of the Nonhuman Primate.
10. Understand the restraint and husbandry of Amphibians.
11. Understand the restraint and husbandry of Reptiles.
12. Understand the restraint and husbandry of Avians.
13. Understand and apply Hematologic and Serum Biochemical data of various Laboratory Animal and Exotic Species.
14. Understand and perform serological testing and quality control.
15. Understand and apply regulations and policies governing the care and use of Laboratory Animals and Exotics.
16. Understand and apply methods of specimen collection.
17. Understand and apply methods of venipuncture and injections.
18. Understand and apply methods of administering medications to the various laboratory animal species and exotic species.

Major Topics

1. The Mouse.
2. The Rat.

3. The Gerbil.
4. The Hamster.
5. The Guinea Pig.
6. The Chinchilla.
7. The Rabbit.
8. The Ferret.
9. The Nonhuman Primate.
10. Amphibians
11. Avians
12. Serological Testing and Quality Control.
13. Regulations and policies governing the care and use of laboratory animals
14. Regulatory Bodies and their functions, including USDA and the IACUC.

Course Requirements

Grading/Exams: Grading procedures will be determined by the individual Faculty member but will include the following:

Written exams
Assignments/Quizzes
Attendance/Participation
Laboratory Skills

Writing: The individual faculty member will determine specific writing Assignments.

Other Course Information

Live animals will be used in all laboratory sessions.

Prerequisites: Completion of VETT 100 level courses, acceptance into the Veterinary Technology Program.