# 8/14/2020

# brcc keystone logo

Baton Rouge Community College

*Academic Affairs Master Syllabus*

Date Approved: 28 August 2020

Term and Year of Implementation: Fall 2020

**Course Title:** Laboratory Animal Medicine and Nursing

**BRCC Course Rubric:** VTEC 2112

**Previous Course Rubric**: VTEC 211

**Lecture Hours per week-Lab Hours per week-Credit Hours**: 2-0-2

**Per semester: Lecture Hours-Lab Hours-Instructional Contact Hours**: 30-0-30

**Louisiana Common Course Number:**

**CIP Code:** 01.8301

**Course Description:** Provides an overview of principles and practices employed in animal research facilities. Husbandry techniques and the ethical treatment of animals are covered. Common laboratory animal species are also discussed as pets. The common laboratory animals species discussed in this course include rats, mice, gerbils, hamsters, guinea pigs, and rabbits. Breeds of each species are also covered. This class requires a course fee.

**Prerequisites:** VTEC 2053 (or VTEC 205), VTEC 2212 (or VTEC 221), VTEC 2274 (or VTEC 227), VTEC 2352 (or VTEC 235), and VTEC 2414 (or VTEC 241), all with grade “C” or better

**Co-requisites:** None

**Suggested Enrollment Cap:** 30

**Learning Outcomes.** *Upon successful completion of this course, the students will be able to:*

1. Explain the fundamentals of operating a research facility, including animal housing nutrition and other aspects of animal husbandry.

2. Describe the various ways that laboratory animals are used in research, including the differences in working with laboratory animals in research colonies compared to working with pets in veterinary practices.

3. Identify proper handling and restraint techniques of laboratory animal species, as well as safe and humane sample collection from these species.

4. Distinguish the physiological and behavioral characteristics of each laboratory animal species, as well as the common breeds within each species.

**Assessment Measures.** Assessment of all learning outcomes will be measured using the following methods:

1. Learning outcomes will be assessed by administering periodic quizzes and exams during the semester and a comprehensive final exam at the end of the semester.

2. Instructor-designed assignments will assess the learning outcomes and will be given as a portion of the total grade. Assignments may include written and oral assignments, homework assignments, and projects; all assignments will be graded using an instructor-designed rubric.

**Information to be included on the Instructor’s Course Syllabi:**

* ***Disability Statement*:** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
* ***Grading:*** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor’s and/or the department’s policy for make-up work. For example in a speech course, “Speeches not given on due date will receive no grade higher than a sixty” or “Make-up work will not be accepted after the last day of class”.
* ***Attendance Policy*:** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
* ***General Policies*:** Instructors’ policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
* ***Cheating and Plagiarism*:** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
* ***Safety Concerns:*** In some courses, this may be a major issue. For example, “No student will be allowed in the lab without safety glasses”. General statements such as, “Items that may be harmful to one’s self or others should not be brought to class”.
* ***Library/ Learning Resources:*** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.

**Expanded Course Outline:**

I. Facility design and caging

II. Animal husbandry of each laboratory animal species

1) Uses in research

2) Handling and restraint

3) Housing requirements

4) Animal identification

5) Physiology

6) Husbandry and breeding

7) Infectious diseases and problems

8) Helpful hints and special techniques

III. Animal Welfare Act, alternatives to research

IV. Nutrition and metabolism

V. Euthanasia, necropsy

VI. Breed identification of the laboratory animal species

VII. Laboratory animal species as pets