Bergen Community College
Veterinary Technology Program
Course Syllabus

Course Title:	Vertebrate Anatomy & Physiology II
Course Number:	VET-215
Credits:	3
Lecture Hours:	3
Laboratory Hours:	2
Prerequisites:	VET-115

Course Description:
This course focuses on the basic structures and functions of vertebrate organ systems that primarily emphasize those of mammalian species. Among the topics addressed are the integumentary, cardiovascular, immune/lymphatic, respiratory, gastrointestinal, reproductive, urinary/excretory, endocrine, and immune systems.

Student Learning Objectives:

Upon completion of this course, the student will be able to:

- Identify the parts of the following anatomical systems and state their functions: Cardiovascular; Digestive; Respiratory; Lymphatic; Excretory, Urinary; Endocrine; Reproductive of male and female; and Integumentary
- List the major functions of blood
- Identify the components of a typical ECG tracing

Means of Assessment:

The student learning outcomes will be assessed using a variety of assessment instruments including written exams, demonstration of laboratory skills, quizzes, laboratory reports, written reports, oral presentations, projects, etc.

Course Content:

- To enable the student to locate, identify, and compare the various body tissues and organs of dogs, cats, rabbits, ruminants, horses, birds and reptiles
- To teach the student the ways in which organs and body systems function and interact
- To provide the student with an understanding of the comparative differences in the digestive tracts of various domestic animals

- To instruct the student in the features and functions of the male and female reproductive tract
- To introduce the student to the differences between exocrine and endocrine glands, and the functions of each

Course Materials:

Primary:

- Colville & Bassert: *Clinical Anatomy & Physiology for Veterinary Technicians, 3rd* edition, St. Louis, Missouri, 2016; Elsevier
- Colville & Bassert: *Clinical Anatomy & Physiology Laboratory Manual for Veterinary Technicians,* St. Louis, Missouri, 2016; Elsevier

Teaching Methodologies:

The scheduled topics are covered by a series of lectures combined with laboratory practicums and demonstrations. Models and comparative anatomy skeletons will be utilized, as well as dissection of cat cadavers, for teaching purposes. Additionally, the viewing of videotapes and computerized software programs may be incorporated.

Lecture Testing and Grading Criteria:

Consists of:

10 unit quizzes (30%)
1 comprehensive final exam (20%)
Exams and Grading:
All tests consist only of objective multiple-choice type, matching, and fill-in questions.

Laboratory Testing and Grading Criteria:

Consists of:

Lab Book Exercises (5%)
Midterm (15%)
Final (20%)
Case Studies (10%)

Student Accommodations:

Students who require accommodations by the Americans with Disabilities Act (ADA) can request support services from the Office of Specialized Services of Bergen Community College, Room L-115, Pitkin Education Center, 201-612-5269 or e-mail www.oss@bergen.edu or link directly to Disability Services. Suggested deadline for accommodations is posted at this site.

Rules and Regulations Governing Conduct:

Each student is expected to obtain a copy of the Bergen Community Student Handbook and is responsible for knowing the information included in the Handbook. Copies are available in the Office of Student Life, the Welcome Center, evening office, and on the Bergen Web site. You may link directly to Student Life and Judicial Affairs to locate the Student Handbook. I have also provided a Bergen Link on the left hand side of the Moodle course: click on Student Life and Judicial Affairs; then click on Student Handbook to access.

In addition, each student accepted in the Veterinary Technology Program is expected to obtain a copy of the Veterinary Technology Student Handbook and is responsible for knowing the information included in this Handbook. Copies are available at orientation or through the program director.

All student and faculty are governed by college rules and regulations. Please refer to the Student Handbook for information regarding codes of conduct.

Academic Integrity:

Bergen Community College is committed to academic integrity. All of the work you will complete in this course will be an individual effort. Exams are administered online and are "closed book" which means you should not be using any resources during the exam. You may use a basic function calculator on exams. All other assignments and quizzes are designed for you to use resources provided in the course. Please refer to the current Student Handbooks for details related to academic integrity/discipline

Other Student Support Services:

Distance Learning Office	Room C-334	201-612-5581 psimms@bergen.edu
Smarthinking Tutorial Service	On-line	www.bergen.edu/library/learning/tutor/smart/index.asp
Student Support Center	1st floor (near Public Safety)	201-447-7109 option #3
Moodle Help Desk		1-877-612-5381
Tutoring Center	Room L-125	201-447-7908
Writing Center	Room L-125	201-447-7908
Office of Specialized Services	Room L-115	201-612-5269 ossinfo@bergen.edu
Sidney Silverman Library	Room L-226	201-447-7436 (Reference Desk) 201-447-7970 (Service Desk)
Student Support Services—Academic Advising	A-118	201-612-5480 aacenter@bergen.edu
International Student Center	C-102	201-689-7601
Center for Health, Wellness & Personal Counseling	HS-100	201-447-9257
Veterans Center	L-113	201-447-7997
Office of Financial Aid	1st floor	201-447-7148 financialaid@bergen.edu
Office of Public Safety	L-154	201-447-9200 publicsafety@bergen.edu

Anatomy and Physiology II Lecture and Lab Schedule

DATES	CHAPTERS	LECTURE	LAB
Week 1	6 -The Integument	6 The Integument	6 The Integument
Week 2	14- The Cardiovascular System	14- The Cardiovascular System	14- The Cardiovascular System
Week 3	14- The Cardiovascular System	14- The Cardiovascular System	14- The Cardiovascular System
Week 4	15- The Respiratory System	15- The Respiratory System	15- The Respiratory System
Week 5	16-The Digestive System	16-The Digestive System	16-The Digestive System
Week 6	18-The Urinary System	18-The Urinary System	18-The Urinary System
Week 7	19-The Reproductive System	19-The Reproductive System	19-The Reproductive System (Lab Practicum Review)
Week 8	No New Material	No New Material	Midterm Practicum (In Lab)
	SPRING BREAK	*SPRING BREAK*	*SPRING BREAK*
Week 9	20-Pregnancy and Lactation	20-Pregnancy and Lactation	20-Pregnancy and Lactation
Week 10	12-Blood, Lymph and Lymph Nodes	12-Blood, Lymph and Lymph Nodes	12-Blood, Lymph and Lymph Nodes
Week 11	13-Immunity and Defense	13-Immunity and Defense	13-Immunity and Defense
Week 12	11-The Endocrine System	11-The Endocrine System	11-The Endocrine System
Week 13	21-Avian A&P	21-Avian A&P	21-Avian A&P
Week 14	No New Material	No New Material	Lab Practicum Review
Week 15	No New Material	Final Exam (Online)	Final Practicum (In Lab)