GPRC

DEPARTMENT OF ANIMAL HEALTH TECHNOLOGY

COURSE OUTLINE – AH 141

ANATOMY AND PHYSIOLOGY I

INSTRUCTOR: Dr. S. Klassen **PHONE:** 780-835-6633
OFFICE: FAS 141 **E-MAIL:** sklassen@gprc.ab.ca

OFFICE HOURS: 9:00am - 4:00pm or as posted

PREREQUISITE(S)/COREQUISITE: Student must be Registered in Animal Health Technology Program at GPRC

REQUIRED TEXT/RESOURCE MATERIALS:

- Colville & Bassert, *Clinical Anatomy & Physiology for Veterinary Technicians*, Mosby
- Pasquini, Spurgeon, Pasquini, *Anatomy of Domestic Animals*, Sudz Publishing, 11th Edition

CALENDAR DESCRIPTION:

The AHT student will develop proper anatomical and physiological terminology. Instruction of cellular biology and physiology will progress into an understanding of organization of cell into tissues, organs and body systems. A working knowledge of body systems will include basic components and functions, gross anatomical features, common abnormalities, interactions with other systems, surgical and diagnostic imaging considerations and location and/or palpation in live animals or cadavers. The student will learn the names, location and function of important anatomical structures in common domestic animal species with an emphasis on the application of practical anatomical knowledge required for mastery of subsequent courses in medical and surgical nursing, x-ray technology, etc.

CREDIT/CONTACT HOURS:
Credits: 6.0
Contact Hours: 96

DELIVERY MODE(S):
Lectures and Labs

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	**4-point Equivalent**	**Percentage Guidelines**	**Designation**
A^{+}	**4.0**	**90 – 100**	**EXCELLENT**
A	**4.0**	**85 – 89**	
A^{-}	**3.7**	**80 – 84**	**FIRST CLASS STANDING**
B^{+}	**3.3**	**77 – 79**	
B	**3.0**	**73 – 76**	**GOOD**
B^{-}	**2.7**	**70 – 72**	
C^{+}	**2.3**	**67 – 69**	**SATISFACTORY**
C	**2.0**	**63 – 66**	
C^{-}	**1.7**	**60 – 62**	**MINIMAL PASS***
F	**1.3**	**55 – 59**	**FAIL**
	1.0	**50 – 54**	
	0.0	**0 – 49**	
WF	**0.0**	**0**	**FAIL, withdrawal after the deadline**

*overall grade average has to be 2.0 or higher to be successful in the program.

EXAMINATIONS and ATTENDANCE:

Please review GPRC's Examination and Grading policies.

Attendance will not be assigned a mark in this class, but if a student misses a class or a lab (including quizzes and exams) or anything else that happens in class (eg.assignments and/or quizzes and/or exams and/or handouts, whether scheduled or not), these will not necessarily be provided to the student or made up in any way . The student will be assigned a mark of zero for those assignments/exams/ etc. missed. If the student contacts the instructor PRIOR to missing a class/lab/exam/etc., and if the student has an acceptable excuse (the validity of the excuse is at the discretion of the instructor and will require documentation such as a note from a doctor), the student may be excused without penalty and may be given access to the missed material. Overall excessive absence, coming to class late, or leaving during class, may result in mark deductions at the instructor's discretion. For further clarification on the attendance policy, see the AHT Program guidelines in the orientation booklet and the GPRC Policies and Procedures.

	Mark Distribution
A. Quizzes & Assignments	30%
B. Midterm Exam	25%
C. Final Written Exam (includes lecture & lab material)	35%
D. Final Practical Exam	10%
	100%

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to the College Policies and Procedures regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE:

NOTE: Not all of these units will be covered in AH141. The course content continues in AH241.

A. Introduction to Anatomy & Physiology

Upon successful completion of this unit, you will be able to define and identify anatomy and physiology, and terms of direction and planes of reference as they refer to animal anatomy

B. Cells & Tissues

Upon successful completion of this unit, you will be able to define and discuss cellular physiology and the organization of cells into tissues.

C. Skeletal System

Upon successful completion of this unit, you will be able to identify the components of the skeletal systems of common domestic animals, and discuss the composition and function of bones.

D. Muscular System

Upon successful completion of this unit, you will be able to identify some of the muscles and muscle groups of common domestic animals, and discuss the composition and function of muscles.

E. Integumentary System

Upon successful completion of this unit, you will be able to define integument and identify its components, and discuss the functions of the integumentary system.

F. Cardiovascular System

Upon successful completion of this unit, you will be able to identify the components of the cardiovascular system and discuss their functions.

G. Respiratory System

Upon successful completion of this unit, you will be able to identify the components of the respiratory system and discuss their functions.

H. Nervous System

Upon successful completion of this unit, you will be able to identify the components of the nervous system and discuss their functions**.**

I. Special Senses

Upon successful completion of this unit, you will be able to identify the main anatomical features of the ear, eye, and nasal cavity, and discuss the functions of each of the special senses.

J. Digestive System

Upon successful completion of this unit, you will be able to identify the components of the digestive system and discuss their functions.

K. Urinary System

Upon successful completion of this unit, you will be able to identify the components of the urinary system and discuss their functions.

L. Endocrine & Immune Systems

Upon successful completion of this unit, you will be able to identify the components of the immune and endocrine systems, and discuss their functions.

M. Reproductive System

Upon successful completion of this unit, you will be able to identify the components of the reproductive systems of the male and female, and discuss their functions.

Created by: Dr. Susan Klassen Date: August 29, 2012 Signature:

Approved by: Karlee Worobetz Date: Signature: