



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2017

AH 344 APPLIED IMMUNOLOGY – 1.5 (2-0-0) 32 HOURS

16 Weeks

INSTRUCTOR:	Bonnie Danielson-Keller RVT	PHONE:	(780)-835-6633
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OFFICE HOURS:	As posted		

CALENDAR DESCRIPTION:

A review of the purpose, functions and normal variations of the immune system is covered. Disorders of the immune system will be classified into broad categories and includes discussion of clinical signs, diagnostic procedures and treatment principles of some common immunological conditions. Students will learn the concepts and application of basic immunological tests and vaccination procedures. Principles of blood grouping and transfusions are covered

PREREQUISITE(S)/COREQUISITE: NEW

- Must be registered in the GPRC Animal Health Technology Program
- AH141, AH240, AH242, AH249

REQUIRED TEXT/RESOURCE MATERIALS:

No specific text required, but Anatomy and Lab Procedures texts have some pertinent information and readings may be assigned.

DELIVERY MODE(S):

Lecture

TRANSFERABILITY: (if applicable)

A list of institutions to which this course transfers (For example: UA, UC, UL, AU, GMU, CU, CUC, KUC. Please note that this is a sample and it must be replaced by your specific course transfer)

*Warning: Although we strive to make the transferability information in this document up-to-date and accurate, the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities. Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page <http://www.transferalberta.ca> or, if you do not want to navigate through few links, at <http://alis.alberta.ca/ps/tsp/ta/tbi/onlineSearch.html?SearchMode=S&step=2>

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

(The following criteria may be changed to suite the particular course/instructor)

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

EVALUATIONS:

GRADING CRITERIA:
GRADING CONVERSION CHART for ANIMAL HEALTH TECHNOLOGY
OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.

Alpha Grade	4-point Equivalent	Percentage Guidelines	Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100	C+	2.3	67-69
A	4.0	85-89	C	2.0	63-66
A-	3.7	80-84	C-	1.7	60-62
B+	3.3	77-79	FAIL	1.3	55-59
B	3.0	73-76	FAIL	1.0	50-54
B-	2.7	70-72	WF	0.0	00-49

EXAMINATIONS & ATTENDANCE

Please review GPRC's Examination and Grading policies.

Attendance will be assigned a mark in this class: 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, and 2% will be deducted from the final mark (up to a total of 10%) for every hour 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. However, if the student misses more than 6 hours of class (one week's worth), even with a valid excuse, 1% will be deducted from their final mark for each hour missed, up to a total of 10%. 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.

A final mark of 60% or higher is needed to pass this course. Midterm and final exams will **not** be available to the students for viewing after they are completed, nor will quizzes be available unless the instructor reviews them in class.

	Mark Distribution
A. Quizzes & Assignments	20%
B. Midterm Exam	30%
C. Final Exam	40%
D. Attendance	10%
	100%

*A minimum of 60% must be obtained in order to successfully pass AH344.

COURSE SCHEDULE/TENTATIVE TIMELINE:

The Immune System: Structure & Function:

Upon successful completion of this unit, you will be able to define and discuss structures and functions of the immune system.

Disorders of the Immune System:

Upon successful completion of this unit, you will be able to describe and discuss disorders of the immune system.

Use of Immunological Concepts in Veterinary Medicine:

Upon successful completion of this unit, you will be able to define and discuss common testing methods using immunological concepts as well as other means of using the immune system to combat or prevent disease.

Blood Typing and Transfusions:

Upon successful completion of this unit, you will be able to describe and discuss blood typing and its importance for blood transfusions.

Vaccinations and Vaccines:

Upon successful completion of this unit, you will be able to discuss vaccination and its importance, and describe the various types of vaccines.

Vaccines and Disease Prevention:

Upon successful completion of this unit, you will be able to describe the diseases for which vaccines are available and apply the use of vaccines to prevent the diseases

STUDENT RESPONSIBILITIES:

Enrolment at GPRC assumes that the student will become a responsible citizen of the College. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <http://www.gprc.ab.ca/about/administration/policies/>

**Note: all Academic and Administrative policies are available on the same page.

YEAR: 2018

