



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2015

AH344 APPLIED IMMUNOLOGY – 1.5 (2-0-0)

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:

- Must be registered in the GPRC Animal Health Technology Program
- AH141
- AH241
- AH249

REQUIRED TEXT/RESOURCE MATERIALS:

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

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.

CREDIT/CONTACT HOURS:

1.5 (2-0-0) 16 weeks, 32 Hours

DELIVERY MODE(S):

Lecture

TRANSFERABILITY: (if applicable)

** 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

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART for ANIMAL HEALTH PROGRAM			
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 point average has to be 2.0 or higher to be successful in the AHT program.

EVALUATIONS:

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.

Midterm and final exams will not be available to the students for viewing after they are completed.

Mark Distribution	
A. Quizzes & Assignments	25%
B. Midterm Exam	30%
C. Final Exam	45%
	100%

A minimum of 60% must be obtained in order to successfully pass AH 344.

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:

Refer to the College Policy on Student Misconduct: Plagiarism and Cheating at

https://www.gprc.ab.ca/files/forms_documents/Student_Misconduct.pdf

**Note: all Academic and Administrative policies are available at

<https://www.gprc.ab.ca/about/administration/policies/>

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.

Immunological Testing:

Upon successful completion of this unit, you will be able to define and discuss common testing methods using immunological concepts.

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.

YEAR: 2015/2016

