



DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2015

AH342 LABORATORY PROCEDURES – 3.5 (3-0-3)

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
- AH174
- AH241
- AH249

REQUIRED TEXT/RESOURCE MATERIALS:

- Hendrix, *Laboratory Procedures for Veterinary Technicians*, Mosby
- Sink & Feldman, *Laboratory Urinalysis and Hematology*, Teton NewMedia,

CALENDAR DESCRIPTION:

Students will develop knowledge and skills covered in previous lab courses, as well as learning to collect, prepare and evaluate samples for clinical chemistry and cytology.

CREDIT/CONTACT HOURS:

3.5 (3-0-3) 16 weeks, 96 Hours

DELIVERY MODE(S):

Lecture & Lab

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.

STUDENT EVALUATION 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.

Absence from a laboratory will result in a mark of zero for any assignments or reports assigned in that lab, and also in a deduction of 5% off the final mark for the course for each lab missed unless the student contacts the instructor PRIOR to the lab and the instructor deems the absence as valid (see the attendance policy). Labs will not be made up later. Students must attend the labs AS SCHEDULED unless PRIOR arrangements have been made with the instructor. Students changing labs without approval by the instructor will be marked as absent.

Marks will be deducted for inadequate clean-up and inappropriate dress (including no lab coat) in labs. Students MUST wear a clean lab coat to all labs; scrubs alone are not adequate. Open-toed shoes and dangling jewelry are considered safety hazards and are not allowed in labs.

Supplemental final exam is NOT available for the lab exam and may not be available for the written final exam.

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

EVALUATIONS:

	Mark Distribution
A. Quizzes & Assignments (including lab assignments)	30%
B. Midterm Exam	20%
C. Final Lecture Exam	35%
D. Final Lab Exam	15%
	100%

A minimum of 60% must be obtained in order to successfully pass AH 342.

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:

A. Hematology Review

Upon successful completion of this unit, you will have reviewed and be able to apply clinical hematology principles and tests.

B. Sample Collection

Upon successful completion of this unit, you will be able to discuss and demonstrate safe and effective biological sample collection and storage methods.

C. Urinary Tract & Urinalysis

Upon successful completion of this unit, you will be able to discuss the function of the urinary tract and evaluate the function using urinalysis and other diagnostic tests.

D. Enzymology & Enzyme Assays

Upon successful completion of this unit, you will be able to define and apply enzymology and enzyme assays.

E. Liver & Kidney Function Tests

Upon successful completion of this unit, you will be able to discuss the functions of the liver and kidneys, and describe and apply the tests used to evaluate these functions.

F. Blood Glucose & Pancreas Function

Upon successful completion of this unit, you will be able to evaluate and discuss the functions of the pancreas and importance of blood glucose levels.

G. Skeletal Muscle & Brain Function

Upon successful completion of this unit, you will be able to evaluate and discuss damage to the skeletal muscle and brain.

H. Adrenal, Thyroid, & Parathyroid Gland Function

Upon successful completion of this unit, you will be able to evaluate and discuss the functions of the adrenal, thyroid, and parathyroid glands.

I. Vaginal Cytology

Upon successful completion of this unit, you will be able to evaluate and discuss vaginal cytology in the dog.

J. Semen Evaluation

Upon successful completion of this unit, you will be able to evaluate and discuss the quality of animal semen.

K. Basic Cytology (*optional – time permitting*)

Upon successful completion of this unit, you will be able to identify the basic characteristics of normal and abnormal cytology of various samples.

YEAR: 2015/2016

