



**DEPARTMENT OF ANIMAL SCIENCE**

**COURSE OUTLINE – WINTER 2018**

**AH 245 PARASITOLOGY – 3.5 (3-0-2) 80 HOURS**

**16 Weeks**

<b>INSTRUCTOR:</b>	Rhonda Shaw	<b>PHONE:</b>	780-835-6702
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<b>OFFICE HOURS:</b>	9am-4pm		

**CALENDAR DESCRIPTION:**

Life cycles of significant nematodes, trematodes, cestodes, arthropods and protozoa are covered. Instruction includes pathogenesis of common veterinary parasites, treatment and control measures and human health implications. The students will learn to prepare samples and identify these parasites and their ova or oocysts using common laboratory techniques.

**PREREQUISITE(S)/COREQUISITE:**

- Must be registered in the GPRC Animal Health Technology Program
- AH141, AH173 and AH174

**REQUIRED TEXT/RESOURCE MATERIALS:**

- William J. Foreyt, *Veterinary Parasitology*, Blackwell, 2001 , 5th Edition
- Charles M. Hendrix and Ed Robinson, *Diagnostic Parasitology for Veterinary Technicians*, Elsevier, 2017, 5<sup>th</sup> Edition
- Lab Coat, closed toe shoes

**DELIVERY MODE(S):**

- Lab
- Lecture

## **COURSE OBJECTIVES/LEARNING OUTCOMES:**

### **A. Module 1: Introduction to Parasitology**

Upon successful completion of this Learning Outcome Guide, you will be able to develop and communicate knowledge related to an Introduction of Parasitology.

### **B. Module 2: Phylum Arthropoda**

Upon successful completion of this Learning Outcome Guide, you will be able to discuss and demonstrate knowledge of the Phylum Arthropoda, which includes the Class Insecta and Arachnida.

### **C. Module 3: Phylum Platyhelminthes**

Upon successful completion of this Learning Outcome Guide, you will be able to discuss and demonstrate knowledge of the Phylum Platyhelminthes which include Trematodes and Cestodes.

### **D. Module 4: Phylum Nematoda**

Upon successful completion of this Learning Outcome Guide, you will be able to discuss and demonstrate knowledge of the Phylum Nematoda.

### **E. Module 5: Kingdom Protista**

Upon successful completion of this Learning Outcome Guide, you will be able to discuss and demonstrate knowledge of the Kingdom Protista.

### **F. Practical Parasitology Laboratory Module**

Upon successful completion of this Learning Outcome Guide, you will be able to identify and describe flies, lice, fleas, ticks, mites and common parasitic ova, oocysts and microfilaria.

## **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.transferralberta.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:**

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

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

<b>EXAMINATIONS</b>		Mark Distribution
<b>A.</b>	Quizzes	15%
<b>B.</b>	Midterm Exam	25%
<b>C.</b>	Theory Final Exam	30%
<b>D.</b>	Lab Final Exam	20%
<b>E.</b>	Lab Reports / Assignments / Prep / Cleanup	10%
		<b>100%</b>

\*A minimum of 60% must be obtained in order to successfully pass AH245.

**COURSE SCHEDULE/TENTATIVE TIMELINE:**

As posted

**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.

**ADDITIONAL INFORMATION: (optional)**

For your safety and the safety of others there will be zero tolerance of anyone showing up for the sessions under the influence of alcohol or other medications which may cause physical impairment or disruptive behavior. Sessions missed for the above reasons will also be considered as missed without a valid excuse and result in a 5% deduction of final mark for every session missed.

Attendance is mandatory for labs and guest speakers. A 5% deduction for each incidence, off final mark will occur if a student has an unexcused absence from a lab or guest speaker. Deductions will occur if a student is late for labs or guest speakers, without a valid excuse. A 0% grade will be given for any late assignments/lab reports or missed quizzes. A valid reason requires prior notification to the instructor and acceptable third party written note (doctor, etc.). Exceptions to this are at the discretion of the instructor.

Having a valid reason for missing a lecture, lab or quiz/exam does not change the student's responsibility to acquire the information that was missed nor your obligation to complete required assignments/reports/quizzes/exams by the date required. Missed labs/guest speakers are not available for make-up.

½ marks will be deducted for spelling errors on assignments, quizzes and exams. Please treat all exams, quizzes and assignments as medical records and only correct answers using medical corrections. Illegible writing will result in deducted marks. No electronic devices are to be used in exams or quizzes. Having an electronic device present during an exam or quiz will result in dismissal from class and an automatic 0% assigned.

There is not an option to write a supplemental for this course.

YEAR: 2018

