



## **DEPARTMENT OF ANIMAL HEALTH TECHNOLOGY**

### **COURSE OUTLINE – WINTER 2013**

### **AH 245 PARASITOLOGY-5/80 HOURS**

**INSTRUCTOR:** Rhonda Shaw                      **PHONE:** 780-835-6702

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

#### **PREREQUISITE(S)/COREQUISITE:**

Students must complete and pass AH 173

#### **REQUIRED TEXT/RESOURCE MATERIALS:**

- William J. Foreyt, *Veterinary Parasitology*, Blackwell, 2001 , 5th Edition
- Charles M. Hendrix and Ed Robinson, *Diagnostic Parasitology for Veterinary Technicians*, Mosby, 2006, 4<sup>th</sup> Edition
- Lab Coat

#### **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.

**CREDIT/CONTACT HOURS:**

**Course Code:** AH245

**Course Title:** Parasitology

**Hours:** 80

**Credits:** 5

**DELIVERY MODE(S):**

Lecture and Lab

**OBJECTIVES:**

- A. Module 1: Introduction To Parasitology
- B. Module 2: Phylum Arthropoda
- C. Module 3: Phylum Platyhelminthes
- D. Module 4: Phylum Nematelminthes
- E. Module 5: Phylum Protozoa
- F. Practical Parasitology Laboratory Module

**EXAMINATIONS:**

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

Students must achieve a minimum passing grade of 60% in this course to pass AH245 Parasitology. Regular attendance for lecture is recommended to assure student success. Rewrite examinations will not be permitted.

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. A 0% grade will be given for any late assignments/lab reports or missed quizzes.

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 of medical terminology. 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% for that test.

A valid reason requires prior notification of the instructor and acceptable third party written note (doctor, etc.). Exceptions to this are at the discretion of the instructor.

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. If you are on a standard or prescribed medication, please consult with your instructor prior to the session. 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.

### **STUDENT RESPONSIBILITIES:**

Students are required to show up prepared for lab, this includes but is not limited to appropriate clothing, equipment, long hair tied back and short fingernails.

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 College 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 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 [www.gprc.ab.ca/about/administration/policies/\\*\\*](http://www.gprc.ab.ca/about/administration/policies/**)

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

## **COURSE SCHEDULE/TENTATIVE TIMELINE:**

### **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.

### **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.

### **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.

### **Module 4: Phylum Nematelminthes**

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

### **Module 5: Phylum Protozoa**

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

### **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:**

\*\* 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 transferable

**GRADING CRITERIA:**

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A <sup>+</sup>	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A <sup>-</sup>	3.7	80 – 84	FIRST CLASS STANDING
B <sup>+</sup>	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B <sup>-</sup>	2.7	70 – 72	
C <sup>+</sup>	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C <sup>-</sup>	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 AHT Program.

Created by: Rhonda Shaw

Date: January 3, 2013

Signature:

Approved by:

Date:

Signature: