



DEPARTMENT OF ANIMAL HEALTH TECHNOLOGY

COURSE OUTLINE – WINTER 2015

AH 245 PARASITOLOGY-3.5/80 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 141, AH 173, AH 174

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, 4th Edition
- Lab Coat, close toed shoes

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: 3.5

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 Nematoda
- E. Module 5: Kingdom Protista
- F. Practical Parasitology Laboratory Module

EXAMINATIONS:

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

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/**

**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 Nematoda

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

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.

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⁺ | 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 average has to be 2.0 or higher to be successful in the AHT Program.