

**DEPARTMENT OF ANIMAL SCIENCE
VETERINARY TECHNOLOGY**

COURSE OUTLINE – Winter 2026

AH 245 Parasitology– 3.5 (3-0-2) 80 Hours for 16 Weeks

Northwestern Polytechnic (NWP) acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

INSTRUCTOR:	Rhonda Shaw	PHONE:	780-835-6702
OFFICE:	FAS137	E-MAIL:	rshaw@nwpolytech.ca

OFFICE HOURS: Contact instructor for appointment

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 NWP Veterinary Technology Program
- AH141, AH173 and AH174

REQUIRED TEXT/RESOURCE MATERIALS:

- William J. Foreyt, *Veterinary Parasitology*, Blackwell, 2023, 5th or 6th Edition
- Charles M. Hendrix and Ed Robinson, *Diagnostic Parasitology for Veterinary Technicians*, Elsevier, 2023, 6th Edition
- Lab Coat, scrubs (Lab #1-5), closed toe shoes, hair tie

DELIVERY MODE(S):

Lab / Lecture

Quizzes, midterm, final exams will be supervised and in-person. Students must have a laptop.

Technological support is available through HelpDesk@nwpolytech.ca

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:

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page <http://www.transferalberta.ca>.

**** 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**

EVALUATIONS:

EXAMINATIONS

Mark Distribution

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

* A minimum of 60% must be obtained to successfully pass AH 245

GRADING CRITERIA:

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	95-100		C+	2.3	67-69
A	4.0	85-94		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62
B+	3.3	77-79		D+	1.3	55-59
B	3.0	73-76		D	1.0	50-54
B-	2.7	70-72		F	0.0	00-49

COURSE SCHEDULE/TENTATIVE TIMELINE:

See course objectives for tentative timeline.

Course schedules are posted.

STUDENT RESPONSIBILITIES:



Enrolment at NWP assumes that the student will become a responsible citizen of the Institute. 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 their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

Veterinary Technology Program Attendance & Conduct Summary

- **Zero Tolerance for Impairment:** Attending labs, exams/quizzes, lectures, or guest speaker events under the influence of alcohol or impairing substances (including certain medications) is strictly prohibited. Violations result in unexcused absences and a mark of zero.
- **Mandatory Attendance:** Attendance is required for all exams, guest speakers and labs. Arriving late to labs, lectures, quizzes/exams will be considered an unexcused absence. Unexcused absences (at the instructor's discretion) result in:
 - **5% deduction** from the final course grade (labs/guest speakers)
- **Absence Approval:** Absences must be approved in advance or as soon as possible afterward with valid written documentation (e.g., doctor's note). Employment conflicts are not considered valid excuses.
- **Make-Up Policy:** Labs, lectures, and guest speakers cannot be made up. Missed assessments due to unexcused absences receive a grade of zero. Excused absences do not exempt students from required work or deadlines.
- **Exam Conduct:** No electronic devices (phones, smartwatches, headphones, tablets etc) are permitted during exams or evaluations. Having one present will result in immediate dismissal and a grade of 0%.
- **Further Guidelines:**
 - Spelling errors in exams/quizzes, assignments and medical records will result in a 0.5% deduction for each occurrence.
 - All handwritten materials that are submitted to the instructor must be using blue or black pen, no white out and using appropriate medical corrections.

Information Technology

NWP servers may be monitored. Student accounts are visible via ABTutor and student activity on NWP networks may be monitored during supervised exams and/or anytime students are on NWP networks. The collection of and access to the personal information listed above as permitted by the *Freedom of Information and Protection of Privacy Act*.

STATEMENT ON ACADEMIC MISCONDUCT:

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and Responsibilities policy available at <https://www.nwpolytech.ca/about/polytechnic-leadership/policies-directory>

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

Additional Information

There is no supplemental final exam option for this course AH245.