

SCHOOL OF APPLIED SCIENCE AND TECHNOLOGY  
ANIMAL HEALTH TECHNOLOGY

COURSE OUTLINE – Winter 2024

AH 442 Animal Diseases– 3 (5-0-0) 60 Hours for 12 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:** Karlee Worobetz      **PHONE:** 780 835 6686 (office)  
**OFFICE:** FAS 141      **E-MAIL:** kworobetz@nwpolytech.ca  
**OFFICE HOURS:** As posted

**CALENDAR DESCRIPTION:**

Students will be able to discuss disease based on classification as metabolic, nutritional, inherited, toxic, endocrine or other. Common diseases of domestic animals will be discussed with respect to etiology, specific hosts, diagnostic techniques, treatment and prevention and human health implications.

**PREREQUISITE(S)/COREQUISITE:**

- Must be registered in the NWP Animal Health Technology Program
- AH244, AH342

**REQUIRED TEXT/RESOURCE MATERIALS:**

- Various; suggested *Merck Veterinary Manual*, Merck & Co., 2010, 10th Edition or Merck Veterinary Manual online
- Some relevant materials will be posted on D2L under Animal Diseases
- *McCurnin's Clinical Textbook for Veterinary Technicians (9<sup>th</sup> or 10<sup>th</sup> Edition)*
- *McCurnin's Clinical Textbook for Veterinary Technicians Workbook (9<sup>th</sup> or 10<sup>th</sup> Edition)*

## DELIVERY MODE(S):

High Flex. This course is delivered in-person and may be lectured remotely via Zoom. Final exams will occur in-person. Students must have a computer with a webcam and reliable internet connection. Technological support is available through [helpdesk@nwpolytech.ca](mailto:helpdesk@nwpolytech.ca)

## LEARNING OUTCOMES:

An introduction to common diseases of domestic animals in the following categories (but not necessarily in this order):

- **Canine & Feline Metabolic & Endocrine Disorders**  
On completion of this unit, the student will be able to briefly discuss the etiology, specific hosts, diagnostic techniques, treatment, prevention, and human health implications of common canine and feline metabolic and endocrine disorders.
- **Canine & Feline Degenerative & Inherited Diseases**  
On completion of this unit, the student will be able to briefly discuss the etiology, specific hosts, diagnostic techniques, treatment, prevention, and human health implications of common canine and feline degenerative and inherited disorders.
- **Canine & Feline Infectious Diseases**  
On completion of this unit, the student will be able to briefly discuss the etiology, specific hosts, diagnostic techniques, treatment, prevention, and human health implications of common canine and feline infectious diseases.
- **Bovine Diseases**  
On completion of this unit, the student will be able to briefly discuss the etiology, diagnostic techniques, treatment, prevention, and human health implications of common bovine infectious, metabolic, and endocrine disorders.
- **Equine Diseases**  
On completion of this unit, the student will be able to briefly discuss the etiology, diagnostic techniques, treatment, prevention, and human health implications of common bovine infectious, metabolic, and endocrine disorders.
- **Ovine Diseases (optional-if time permits)**

- Porcine Diseases (optional-if time permits)

## 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:

GRADING CONVERSION CHART for ANIMAL HEALTH TECHNOLOGY
<ul style="list-style-type: none"> <li>• OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.</li> </ul>

## 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

## EXAMINATIONS

### Mark Distribution

A. Tests &/or Assignments

100%

100%

\*A minimum of 60% must be obtained in order to successfully pass AH442.

## 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 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 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/administration/policies/index.html>.

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