

**SCHOOL OF APPLIED SCIENCE AND TECHNOLOGY
ANIMAL HEALTH TECHNOLOGY**

COURSE OUTLINE – Winter 2023

AH 445 Pharmacy and Pharmacology – 3 (5-0-0) 60 Hours 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:	Dr. Susan Klassen	PHONE:	Office: 780-835-6633
OFFICE:	FAS 141	E-MAIL:	sklassen@nwpolytech.ca
OFFICE HOURS:	As posted		

CALENDAR DESCRIPTION:

Basic pharmacological principles are taught and students learn to recognize different groups of drugs and their basic actions. In the pharmacy, the student will become familiar with common veterinary drugs and their indications, administration and side effects or toxic actions. Legal implications of dispensing drugs and risks associated with off label or improper use are discussed. Students learn to prepare and dispense veterinary preparations and educate clients about their use.

PREREQUISITE(S)/COREQUISITE:

- Must be registered in the NWP Animal Health Technology Program
- Pre requisites: AH340, AH342, AH344 and AH348
- Co Requisite: AH442

REQUIRED TEXT/RESOURCE MATERIALS:

- *Applied Pharmacology for Veterinary Technicians*, Wannamaker & Massey, current edition

DELIVERY MODE:

Lecture

COURSE OBJECTIVES/LEARNING OUTCOMES:

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

Attendance will not be assigned a mark in this class, but if a student misses a class (including quizzes and exams), any assignments and/or quizzes and/or exams and/or handouts, whether scheduled or not, that occur or are distributed in the class or lab that was missed, will not be provided to the student or made up in any way. The student will be assigned a mark of zero for those assignments/exams/ etc. missed. If the student contacts the instructor PRIOR to missing a class/lab/exam/etc., and if the student has an acceptable excuse (the validity of the excuse is at the discretion of the instructor and will require documentation such as a note from a doctor), the student may be excused without penalty and may be given access to the missed material. Overall excessive absence, coming to class late, or leaving during class, may result in mark deductions at the instructor's discretion.

A supplemental final exam will not be available for this course.

GRADING CRITERIA:

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

AHT GRADING						
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
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<u>Mark Distribution</u>	
A. Quizzes & Assignments	31%
B. Midterm Exam	30%
C. Final Exam	39%
	100%

*A minimum of 60% must be obtained in order to successfully pass AH 445.

COURSE SCHEDULE/TENTATIVE TIMELINE:

A. Introduction to Pharmacology & Drugs

Upon successful completion of this unit, the student will be able to describe and discuss definitions relating to pharmacology, drug sources, drug actions and effects, drug stability, drug distribution, metabolism, and excretion, and dosage forms of drugs.

B. Drugs Commonly Used in Veterinary Medicine

Upon successful completion of this unit, the student will be able to define and discuss the various classes of drugs and the drugs within each class which are commonly used in veterinary medicine. This includes identification of individual drugs and their effects and side effects.

C. Drug Regulations & Pharmacy Management

Upon successful completion of this unit, the student will be able to describe and discuss veterinary drug regulations and management of the veterinary pharmacy.

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 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 Northwestern Polytechnic Calendar at <https://www.nwpolytech.ca/programs/calendar/> or the Student Rights and Responsibilities policy which can be found at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

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

Revision Date: September 2022