

SCHOOL OF APPLIED SCIENCE AND TECHNOLOGY  
ANIMAL HEALTH TECHNOLOGY

COURSE OUTLINE – Winter 2024

AH 455 Clinical Procedures II – 3 (0-0-11) 132 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.

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**OFFICE HOURS:** 9:00AM-4:30PM or see posted schedules



## CALENDAR DESCRIPTION:

Review of skills learned throughout the program by performing the tasks and responsibilities of an Animal Health Technologist in a clinic and pharmacy setting. The student will perform reception duties, book, admit and discharge patients, perform laboratory tests, administer medications, monitor patients and discuss cases on rounds, maintain records, files and inventories and many other duties required of an Animal Health Technologist in a private practice. The student is expected to demonstrate teamwork and cooperation at all times.

## PREREQUISITE(S)/COREQUISITE:

Must be registered in the NWP Animal Health Technology Diploma Program.  
AH340, AH342, AH343, AH345, and AH348

## REQUIRED TEXT/RESOURCE MATERIALS:

Student handouts provided when needed, please refer to your D2L page.

## STUDENT EQUIPMENT AND SUPPLIES:

Scrub top and bottoms for small animal labs and Clinic  
Shoes with covered toe and heel  
Coveralls and rubber boots for Large Animal labs and Clinic  
Stethoscope, watch with a second hand and thermometer

## DELIVERY MODE(S):

Lab  
Clinic

## LEARNING OUTCOMES:

Paravertebral and Epidural Labs: Upon completion of these labs the student will be able to describe and demonstrate a paravertebral block and epidural block for use in ruminants.

Calf Orals/Restraint Labs: Upon completion of these labs the student will be able to describe and demonstrate how to safely restrain a calf for treatment and will be able to describe and demonstrate several types of oral treatments used in veterinary medicine.



Calf IV Labs: Upon completion of these labs the student will be able to describe and demonstrate how to correctly place an indwelling IV Jugular catheter and perform other injectable treatment options for young calves.

Bull Semen Evaluation: Upon completion of this lab the students will be able to describe and demonstrate certain procedures that take place during a semen evaluation of a bull and describe the set-up and equipment involved.

Equine Anesthesia Lab: Upon completion of this lab the students will be able to assist with an equine castration procedure to have exposure to site set-up, restraint and positioning of the horse before, during and after surgery, equipment and drugs used assist with the induction and monitoring of the anesthetic, administer the appropriate drugs for aftercare and discuss discharge instructions and common complications after castration in the horse.

Ortho Prep Lab: Upon completion of this lab the student will be able to describe and demonstrate how to properly prepare a small animal patient for the most common orthopedic surgeries.

Feline Neuter: Upon completion of this skill, students will be able to describe and demonstrate the preparation for and maintenance while under general anesthesia. The pre, intra and post-surgical patient care of a male cat for castration.

Feline Spay: Upon completion of this skill, students will be able describe and demonstrate the preparation for, maintenance while under general anesthesia and recovery of a female cat for transabdominal ovariohysterectomy.

Canine Neuter: Upon completion of this skill, students will be able describe and demonstrate the preparation for, maintenance while under general anesthesia and recovery of a male dog for orchidectomy.

Canine Spay: Upon completion of this skill, students will be able describe and demonstrate the preparation for, patient maintenance while under general anesthesia and recovery of a female dog for transabdominal ovariohysterectomy.

General surgery: Upon completion of this lab series, students will be able to demonstrate and describe the pre, intra and post-surgical care of the patient by RVTs in a clinic setting. Surgeries include but are not limited to feline castration/spay and canine castration/spay.

Case Study series: case studies and exponential learning will be used prior to live patient labs. This includes: cryptorchid, pyometra, dystocia, general surgery and emergency surgery discussions, demonstrations and applied practice by the students.

Clinic: Upon completion of this lab series, students will demonstrate their ability to appropriately and efficiently perform entry level RVT duties relating to a variety of procedures and pharmacology duties in a mixed animal practice.

1. Demonstrate competencies in the Student Competency Booklet.
2. Demonstrate assistance with the preparation, packaging, and labelling of prescription medications.
3. Demonstrate discharge and admission of patients.
4. Demonstrate sanitation and quality control duties.
5. Demonstrate teamwork and cooperation at all times.

## 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. Evaluations (small and large)	>80% needed
B. Clinic	>80% needed

Alpha Grade	4-Point Equivalence	Percentage Conversion (unless otherwise specified in the Course Outline)	Descriptor
CR	N/A	50-100	Credit
NC	N/A	0-49	No Credit
<b>GRADING CRITERIA:</b>			
Credit (CR)/No Credit (NC)			
Students must complete the "Student Competency checklist" and clinical evaluations (demonstrative and/or written) with a minimum grade of 80%. The final exam (written evaluation) minimum passing mark is 60%			
<b>OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.</b>			

Students are evaluated on timeliness, sanitation, presentation, clinic duties, medical records, conflict resolution, team work, skill set and attitude. Students must complete the "Student Competency checklist" and clinical evaluations with a minimum grade of 80%. The "GPRC Animal Health Technology Student Competency Checklist" must be completed and handed in to the primary instructor prior to the last day of scheduled AH 455 class. Written components may be part of the evaluation process and must be completed in-person under direct supervision of staff or NWP approved proctor.

Deductions for AH 455 are based on the below deduction guideline. Any deductions that accumulate throughout this course will be taken off the final grade in AH 455 (Clinic, Small animal, Large animal)

### Pass Requirements and Deductions for AHT Program

Another copy of this table is located in the "Student Competency Checklist" booklet.

REASON	DEDUCTION
Absent from Lab or Lab and Clinic with no notification (no valid excuse). Refer to course outline	8% first offence, 10% for second and following offences.
Excused from Lab/Clinic (attitude, affected judgment, etc)	5-10%
Breach of Code of Conduct or Academic Guidelines	1-5% or incomplete for the course
Sanitation Lapse	0.5%-1% per lapse in procedure

Sanitation no show (Outside of Clinic)	5% per sanitation session
Inappropriate Attire	0.5%
Late for Clinic less than 15 minutes	1%
Late for Clinic 15-45 minutes	5% partial day increase to 10% after 1pm
Medical record not completed	2%
Medical record completed improperly	0.5%
Log books not completed	2%
Poor attitude (if not leading to being excused)	3%
Inappropriate communication	3%
Failure to prep patient for next day	10%
Feeding of animal for surgery that day	5%
Missed food/water/litter/kennel sanitation	5%
Missed Treatment	3%
Unprepared for lab (worksheets, workstations, required readings)	1-3%
Inappropriate behaviour or care resulting in unethical treatment of animal(s) (physical abuse, neglect of animal husbandry, etc).	Incomplete in course
<b>This is not a limiting list. Additional deductions may be possible and are at the discretion of the supervisor.</b>	<b>0.5-5%</b>

### 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.

available at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

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

## **ADDITIONAL INFORMATION:**

Students are required to read lab handouts provided prior to the assigned lab time. Lab objectives, required reading and expected PPE will be listed.