

**DEPARTMENT OF ANIMAL SCIENCE  
VETERINARY TECHNOLOGY**

**COURSE OUTLINE – Winter 2026**

**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 a Veterinary Technology 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 a Veterinary 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 Veterinary Technology Diploma Program
- AH340, AH342, AH343, AH345, and AH348
- Must be an Active ABVMA Student Member in good standing

## REQUIRED TEXT/RESOURCE MATERIALS:

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

## 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

## GRADING CRITERIA:

Alpha Grade	4-Point Equivalence	Percentage Conversion (unless otherwise specified in the Course Outline)	Descriptor
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CR	N/A	80-100	Credit
NC	N/A	0-79	No Credit
<b>GRADING CRITERIA:</b>			
Credit (CR)/No Credit (NC)			
Students must complete 100% of the “Student Competency checklist” available on CompTracker and complete clinical evaluations (demonstrative and/or written) with a minimum grade of 80%.			
<b>OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE VT PROGRAM.</b>			

Students are evaluated on timeliness, sanitation, presentation, clinic duties, medical records, conflict resolution, teamwork, skill set and attitude. Students must 100% complete the “Student Competency checklist” prior to the last day of scheduled classes. Any clinical evaluations must be completed with a minimum grade of 80%. Written components may be part of the evaluation process and must be completed in-person under direct supervision of faculty, 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 Veterinary Technology Program

Another copy of this table is located in the “Student Competency Checklist” CompTracker

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 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:**

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