

DEPARTMENT OF ANIMAL SCIENCE

COURSE OUTLINE – FALL 2022

AH348 ANIMAL NURSING AND SURGICAL ASSISTANCE FOR THE VT – 4 (4.5-0-0)

72HOURS 16 Weeks

Northwestern Polytechnic respectfully acknowledges that we are located on Treaty 8 territory, the traditional homeland and gathering place for many diverse Indigenous peoples. We are honoured to be on the ancestral lands of the Cree, Dene/Beaver and Métis, whose histories, languages, and cultures continue to influence our vibrant community. We are grateful to have the opportunity to work, learn, and live on this land.

INSTRUCTOR:	Karlee Worobetz, RVT	PHONE:	(780) 835 6686
OFFICE:	AS 140	E-MAIL:	nwpolytech.ca
OFFICE HOURS:	See posted schedule on office board		

CALENDAR DESCRIPTION:

Proper identification, use, care and maintenance of all equipment is continued. Administration of medications by different routes is taught. The student will learn techniques for venipuncture, catheterizations and urine and vaginal sample collection. Fluid therapy is covered in depth, instruction includes general nursing care of hospitalized patients, orphans, newborns, post-parturient dams, and principles of pain management. The student will be instructed on basic procedures such as vaginal exams, care of tracheotomy, pharyngostomy and chest tube sites, preparation of wounds and abscesses for treatment. The student will be able to discuss and/or perform all procedures covered and identify any common complications. Students will learn veterinary first aid procedures and emergency protocols. Identification, use, care and maintenance of surgical instruments, equipment and supplies is covered in detail. Students learn to prepare facilities, patients and equipment for surgical procedures with strict adherence to principles of sanitation and sterilization. Students

will participate in surgical procedures as a surgical assistant and will learn to pass instruments, care for exposed tissue and provide suction or cautery. Students become responsible for post-operative cleanup of the patient, equipment and facilities and follow up with patient monitoring and surgical records.

PREREQUISITE(S)/COREQUISITE:

- Must be registered in the GPRC Animal Health Technology Program
- AH141, AH143, AH173, AH240, AH244, AH246, AH249

REQUIRED TEXT/RESOURCE MATERIALS:

- Joanna M. Bassert, *McCurnin’s Clinical Textbook for Veterinary Technicians*, Elsevier, 2018, 9th Edition
- Joanna M. Bassert, *McCurnin’s Clinical Textbook for Veterinary Technicians Workbook*, Elsevier, 2018, 9th Edition

DELIVERY MODE(S):

High Flex. This course is delivered in-person and 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.

TRANSFERABILITY: (if applicable)

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.

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

EXAMINATIONS	Mark Distribution
A. Quizzes and Assignments	65%
E. Final Exam	35%
	100%

* A minimum of 60% must be obtained in order to successfully pass AH348. If a student misses a quiz without prior notification and without a valid reason, a mark of zero will be assigned for that quiz. Late assignments are not accepted. Any material handed in to an instructor must be in blue or black pen, no white out, medical corrections only.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Surgical Nursing: Describe and Explain surgical nursing concepts as related to the Veterinary Technologist/Technician. This includes surgical preparation, sterilization, cleaning and listing of common surgical instruments, identification of suture material and techniques and to describe and explain elective and common surgical procedures, preparation of and after care for both large and small animals.

- **Surgical Instruments and Aseptic Technique**

- **Surgical Assistance and Suture Material**
- **Small Animal Surgical Nursing**
- **Large Animal Surgical Nursing**

Emergency and Critical Care: Discussion and explain concepts of fluid therapy, common fluids, fluid calculations and plasma and/or transfusion medicine. Explain and describe concepts of emergency care and procedures for small and large animal patients. Describe and explain care of the critical patient.

- **Fluid Therapy and Transfusion Medicine**
- **Emergency and Critical Care Nursing**
- **Toxicology**

Medical Nursing: Explain and describe common sampling preparation and therapeutic techniques relating to patient preparation and after care of surgical and medical components. Describe safety procedures and common protocol of veterinary oncology. Describe and explain steps involved in medical care of the neonatal patient.

- **Diagnostic Sampling and Therapeutic Techniques**
- **Veterinary Oncology**
- **Neonatal Care of Puppies, Kittens and Foals**

The Technicians role in Pain Management: Explain and discuss options to assess and deliver patient pain management.

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 Institute Admission Guide at

<http://www.nwpolytech.ca/programs/calendar/> or the Institute on Student Misconduct: Plagiarism and Cheating at <http://www.nwpolytech.ca/about/administration/policies/>

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

ADDITIONAL INFORMATION:

YEAR: 2022

