

# VETERINARY TECHNOLOGY (DVT)

---

## **DVT\*1000 Livestock Production and Management Winter Only (LEC: 4) [0.50]**

This course introduces the students to food animals and horses, with an emphasis on terminology, nutrition, behaviour and housing. The food animal portion also includes common breeds, marketing, and breeding practices of various species, including sheep, goats, poultry, dairy cattle, beef cattle and swine. The equine portion of the course emphasizes the techniques, terminology and common diseases that the veterinary technician working in an equine practice would be exposed to, through the use of lectures, slides, videos and handouts.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

## **DVT\*1010 Anatomy and Physiology I Summer and Fall (LEC: 2, LAB: 2) [0.25]**

This an introductory course which encompasses the gross anatomy and physiology of domestic animals with special emphasis on the cat as a pet animal species. The course covers select major body systems, with emphasis on those of veterinary clinical significance.

**Restriction(s):** DVT\*1170. Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative Program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

## **DVT\*1040 Medical Exercises I Fall Only (LEC: 1, LAB: 3) [0.50]**

This is a practical introductory course with an emphasis on working with dogs, cats, birds, and horses. Students will apply animal husbandry principles such as proper animal housing, sanitation, and quarantine protocols during their rotational kennel duty assignment. Basic restraint techniques, physical examination, and medicating skills are taught and practiced.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

## **DVT\*1060 Comprehensive Medical Exercises Summer Only (LEC: 2, LAB: 6) [1.00]**

This is a comprehensive, introductory course with an emphasis on working with dogs, cats, birds, horses, and other livestock. Basic animal restraint techniques, physical examination, and medicating skills are taught and practiced. Students will develop skill techniques in bandaging, splints, venipuncture, IV catheterization, and various types of injections used for different animals. The students will participate in large animal procedures, and perform fluid therapy with drug dose calculations. Students will apply animal husbandry principles such as proper animal housing, sanitation, and quarantine protocols during their rotational kennel duty assignment.

**Restriction(s):** DVT\*2040. Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

## **DVT\*1100 Large Animal Production and Management I Fall Only (LEC: 3) [0.25]**

This course introduces the students to sheep, goats, poultry and horses, with an emphasis on terminology, nutrition, behaviour and housing. This course also includes common breeds, marketing, and breeding practices of various species. The equine portion of the course emphasizes the techniques, terminology and common diseases that the veterinary technician working in an equine practice would be exposed to.

**Offering(s):** Offered through Distance Education format only.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

## **DVT\*1110 Intro to Veterinary Technology Fall Only [0.25]**

This online course will introduce the student to fundamental concepts and skills used within veterinary medicine that will be integrated into current and future courses. Students will study medical terminology, and concepts in genetics as they relate to veterinary medicine, as well as sanitation within an animal housing environment.

**Offering(s):** Offered through Distance Education format only.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

## **DVT\*1120 Hematology I and Microbiology Summer and Fall (LEC: 3, LAB: 4) [0.50]**

This course consists of introductory theoretical and practical modules in hematology and microbiology. The microbiology module includes the study of microorganisms with emphasis on their morphology, physiology, biochemistry, culture, and identification. Operations of the light microscopes and laboratory safety will be discussed. The hematology module will introduce students to the basic aspects of animal blood evaluation. Practical sampling techniques, handling and processing of samples, and cell identification will be introduced. Hematology mathematical calculations will also be covered.

**Restriction(s):** DVT\*1150. Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Location(s):** Ridgetown Campus

## **DVT\*1160 Foundations of Veterinary Technology Summer and Fall (LEC: 3) [0.50]**

This course introduces the students to fundamental concepts and skills used within veterinary medicine that will be integrated into current and future courses. Students will study medical terminology along with related medical abbreviations and applied scientific mathematics.

**Offering(s):** Also offered through Distance Education format.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program. The Veterinary Technology Alternative program students must only select the DE section as this is reserved for only the Veterinary Technology Alternative delivery program students.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*1300 Large Animal Production and Management II Winter Only [0.25]**

This course introduces the students to food animals such as beef, dairy and swine, with an emphasis on terminology, nutrition, behaviour and housing. The food animal portion also includes common breeds, marketing, and breeding practices of various species.

**Offering(s):** Offered through Distance Education format only.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*1350 Pharmacology and Vet Tech Math Summer Only (LEC: 4) [0.50]**

This course introduces pharmacological theory and the mathematics applied to utilize pharmaceutical agents in a veterinary clinical setting. The mode of action, mechanisms of absorption, distribution, metabolism and excretion of drug classes commonly used in veterinary medicine will be discussed. Students will learn applied clinical calculations, accurately perform drug dose and fluid therapy calculations, and analyze statistical data.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2000 Companion Animal Management Fall and Winter (LEC: 6) [0.50]**

This course offers the veterinary technician student the information required to understand small animal husbandry. Students gain practical information about the nutritional needs, behaviour patterns, preventative, and basic health care needs of companion animals. Students learn what is normal and abnormal behaviour and how to advise clients on applying proper training techniques. The emphasis in this course is the prevention of health problems in companion animals. Students are assigned animal bathing duties on a rotational basis.

**Offering(s):** Offered through Distance Education format for the Alternative program.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2040 Medical Exercises II Winter Only (LEC: 1, LAB: 3) [0.50]**

This course provides practical knowledge on bandaging, splints, venipuncture, IV catheterization, and various types of injections used for different animals. The students will participate in large animal procedures and perform fluid therapy with drug dose calculations. Students will continue to participate in their rotational kennel duty assignment.

**Prerequisite(s):** DVT\*1040

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2050 Urinalysis Winter and Summer (LEC: 1, LAB: 2) [0.50]**

This is a theoretical and practical course which emphasizes the macroscopic, chemical and microscopic characteristics of urine, along with the concepts of urinary diagnostic testing. The prevention and dietary treatment of urolithiasis is explored.

**Co-requisite(s):** DVT\*2120

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2060 Communications and Veterinary Software Summer and Fall (LEC: 2, LAB: 2) [0.50]**

Issues dealing with communication between the veterinary technician and clients, co-workers and the employer/ veterinarian are explored using communication theory and skills. Application of theories are demonstrated through discussions and class exercises. Hands-on labs introduce the use of computers in the veterinary clinic using current veterinary clinic software programs.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2070 Pharmacology and Applied Calculations Winter and Summer (LEC: 3) [0.50]**

This course continues to develop select pharmacological theory and the mathematics applied to utilize pharmaceutical agents in a veterinary clinical setting. The mode of action, mechanisms of absorption, distribution, metabolism and excretion of drug classes commonly used in veterinary medicine will be discussed in how it affects each anatomical organ/structure/function of the body. Students will learn to accurately perform drug dose and fluid therapy calculations, and other applied clinical calculations.

**Prerequisite(s):** DVT\*1160

**Co-requisite(s):** DVT\*1010 or DVT\*2300

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2100 Veterinary Nursing Techniques I Fall Only [0.25]**

This course is concerned with animal nursing relative to the basic needs of the animal. Students will identify various diseases and general patient management, and will continue to explain the importance of history taking, medical records, the physical exam, patient handling and fluid therapy.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** DVT\*1060 or DVT\*2040

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2120 Hematology II and Cytology Winter and Summer (LEC: 3, LAB: 4) [0.50]**

Students will strengthen their understanding of theoretical and practical aspects of canine and feline blood evaluation. Students will be introduced to the hematology of other species, including equine, bovine, avian and exotics. Blood cell precursors and common disease processes affecting the blood will be studied. The performance, assessment and evaluation of common veterinary clinical procedures will be emphasized as well as Hematological mathematical calculations will continue to be practiced. The cytology module will introduce students to aspects of cellular and tissue sample collection, preparation, and microscopic evaluation of normal and abnormal samples from the body.

**Prerequisite(s):** DVT\*1120

**Restriction(s):** DVT\*2150. Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Location(s):** Ridgetown Campus

**DVT\*2200 Introduction to Immunobiology Fall Only [0.25]**

This course covers the structure and function of the lymphatic system and its importance in preventing and/or overcoming disease. Disease transmission, development, and serological diagnosis will be discussed.

**Offering(s):** Offered through Distance Education format only.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2210 Introduction to Anesthetic Principles Fall and Winter (LEC: 2) [0.25]**

This course introduces the practical and theoretical aspects of anesthetic techniques in animals. Emphasis is on the principles of general anesthesia using gas anesthetic machines. Also discussed are sedation, general anesthesia using injectable pharmaceutical agents, and local anesthesia.

**Offering(s):** Also offered through Distance Education format.

**Prerequisite(s):** DVT\*1010, (DVT\*2070 or DVT\*1350), (DVT\*1060 or DVT\*2040)

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2220 Introduction to Radiography Winter Only [0.25]**

This course introduces practical and theoretical aspects of radiography in veterinary medicine. Topics include radiation safety, radiographic equipment (analog versus digital), production of radiation, intensifying screens, films, grids, and manual and automatic processing. The course introduces a variety of special imaging techniques utilized in veterinary medicine. Students will be expected to perform proper anatomical patient positioning as well as proper patient restraint, including chemical restraint.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** DVT\*1010, DVT\*2070, DVT\*2100

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2300 Anatomy and Physiology II Winter and Summer (LEC: 2, LAB: 2) [0.50]**

A continuation of anatomy and physiology studies, the course encompasses the structure and functions of selected major body systems of domestic animals, with emphasis on the cat. This course covers the major body systems of significance in veterinary clinical medicine not addressed in previous courses.

**Prerequisite(s):** DVT\*1010

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2310 Veterinary Nursing Techniques II Summer Only (LEC: 1, LAB: 3) [0.25]**

This is an experiential learning course where students will perform important skills as a veterinary technician providing nursing care to animals. Students will be required to apply care for equine, food and companion animals, maintain a hospital area as well as nurse sick and injured animals during labs, and during kennel/barn assignments. Experiential practice orientation sessions that specialize in companion animals, food animals, and equine may be scheduled at various locations throughout the semester for students to observe and participate in the practical aspects of veterinary technology.

**Prerequisite(s):** DVT\*2100

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2320 Surgical Exercises Summer and Fall (LEC: 1, LAB: 3) [0.25]**

This course deals with the practical and theoretical application of anaesthetic and surgical techniques to animals. Students will be expected to apply the rationale behind the possible complications with each surgery, thus enabling them to be involved in client education. During the laboratory sessions, students work in small groups becoming proficient in delivering anaesthesia to animals, performing surgical assistance with aseptic instrument handling with the veterinarian, and practice surgical nursing, and post-operative care to the patient. Students will develop skills such as proper placement and care of an intravenous indwelling catheter for anesthetized animals, collection of patient blood to perform a pre-surgical serum chemistry profile along with applying the theoretical principles of anesthesia.

**Co-requisite(s):** DVT\*2210, DVT\*2330, (DVT\*2310 or DVT\*3010)

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2330 Clinical Chemistry Summer and Fall (LEC: 2, LAB: 2) [0.25]**

This course familiarizes students with common veterinary blood chemistry tests as it affects organs and body functions of animals. In addition, the course will cover proper blood/urine sample collection, safe use of common laboratory equipment, quality controls and mathematical calculations. Proper analytical techniques will be discussed in both the classroom and laboratory sessions of this course.

**Prerequisite(s):** DVT\*1060 or DVT\*2040

**Co-requisite(s):** DVT\*2300

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*2340 Exercises in Radiography I Summer Only (LEC: 1, LAB: 3) [0.25]**

This course introduces practical application of veterinary radiography skills. Students will practice radiation safety, apply proper positioning techniques to produce diagnostic images while using analog and digital radiographic equipment on small and large animals, and utilize various restraint techniques as performed routinely in a veterinary hospital. Students will develop skills such as the proper placement and care of an intravenous indwelling catheter for sedated animals and will apply proper nursing care for animals during sedation and during their recovery period.

**Prerequisite(s):** DVT\*2220

**Co-requisite(s):** DVT\*2310

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3010 Animal Nursing I Fall Only (LEC: 2, LAB: 3) [0.50]**

This course provides instruction in animal nursing relative to the basic needs of the animal. Students learn about various diseases and general patient management, including the importance of patient history, medical records, the physical exam, patient handling and fluid therapy. In addition, students are required to apply nursing care for healthy equine, food and companion animals, maintain a hospital area and nurse sick and injured animals during labs, and during kennel/barn assignments. Referrals that specialize in companion animals, food animals and equine experiences may be scheduled at various locations throughout the semester for students to observe and participate in the practical aspects of veterinary technology.

**Prerequisite(s):** DVT\*2040

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3030 Radiography I Fall Only (LEC: 2, LAB: 3) [0.50]**

This course deals with practical and theoretical aspects of radiography in veterinary medicine. Lectures cover radiation safety, positioning, analog and digital radiographic equipment, production of radiation, intensifying screens, films, grids, and manual and automatic processing. During the laboratory sessions, students work in small groups to utilize skills learned in pharmacology to sedate animals to learn and practice proper anatomical positioning techniques, and troubleshooting to produce diagnostic images of small and large animals. Students will learn proper placement and care of an intravenous, indwelling catheter for sedated animals.

**Prerequisite(s):** DVT\*2040, DVT\*2070, DVT\*2300

**Co-requisite(s):** DVT\*3010

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3070 Animal Dentistry I Summer and Fall (LEC: 1, LAB: 3) [0.50]**

This course introduces the fundamentals of small animal oral health, including the anatomy and physiology of the tooth and surrounding structures, and the disease processes which can occur, with an emphasis on the prevention of oral disease. Students are introduced to the proper techniques involved in performing a complete dental prophylaxis as well as proper positioning for dental/oral radiography. Students will become proficient in counselling clients on appropriate preventative home care. Students will apply skills such as radiation safety and proper radiography positioning to produce diagnostic radiography images.

**Co-requisite(s):** DVT\*2340 or DVT\*3030

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3200 Public Health Winter Only [0.25]**

This course is designed to introduce the veterinary technology student to the interrelation of animal and human health. Meat inspection programs are discussed with emphasis on humane slaughter, environmental sanitation, ante mortem and post mortem examination, condemned meats, animal by-products and meat labeling. As well, epidemiology, zoonoses, water sanitation, microbiology of food and meat hygiene are addressed. Simple statistics that measure health and disease are also considered.

**Offering(s):** Offered through Distance Education format only.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3210 Veterinary Nursing Techniques III Winter Only [0.25]**

In this course students will explain and identify additional animal nursing skills as a novice veterinary technician. Students will continue to develop skills in advanced patient management regarding various diseases, patient monitoring, and assessing emergency situations and conditions.

**Offering(s):** Offered through Distance Education format only.

**Prerequisite(s):** DVT\*2310

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3300 Veterinary Nursing Techniques IV Summer Only (LEC: 1, LAB: 3) [0.25]**

Students will develop additional animal nursing skills as a novice veterinary technician who is capable of providing nursing care to veterinary patients. Students are required to apply nursing care for healthy equine, food and companion animals, maintain a hospital area and nurse sick or injured colony animals as needed. Opportunities for companion animal, food animal, equine, and referral veterinary clinic experiences may be scheduled throughout the semester for students to observe and participate in the practical aspects of veterinary technology.

**Prerequisite(s):** DVT\*3210

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3320 Veterinary Parasitology Summer and Fall (LEC: 2, LAB: 2) [0.25]**

This course emphasizes practical laboratory techniques utilized routinely in veterinary practice regarding various animal parasites. The course familiarizes students with common internal and external parasites of veterinary significance in Canada. Topics of discussion will include: parasite location, methods of infection, parasite development and behaviour, clinical signs of disease, pharmaceutical treatment and prevention, diagnosis and potential human health hazards or zoonoses

**Prerequisite(s):** DVT\*2300

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*3330 Veterinary Clinic Management Winter and Summer (LEC: 2, LAB: 1) [0.25]**

This course is designed to familiarize students with the basic skills and procedures used in the management of veterinary hospitals, with emphasis on small animal facilities. The lecture portion of the course delves into the role of the practice manager regarding: hospital safety, effective management communication with personnel and clients, basic financial management, and marketing strategies. The laboratory portion provides the student with practical experience in inventory control, purchasing and receiving of drugs, supplies and equipment pertinent to the sound financial operation of a modern veterinary practice.

**Prerequisite(s):** DVT\*2060

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4010 Animal Nursing II Winter Only (LEC: 2, LAB: 3) [0.50]**

Students will continue to learn and apply additional patient management skills regarding various diseases. Students will continue to learn and develop patient monitoring skills, and will assess emergency situations and conditions. Students will explain and perform additional animal nursing skills as a novice veterinary technician who is capable of providing nursing care to veterinary patients. Students are required to apply nursing care for healthy equine, food and companion animals, maintain a hospital area and nurse sick or injured colony animals as needed. Clinical experiences may be scheduled at various locations throughout the semester for students to observe and participate in the practical aspects of veterinary technology.

**Prerequisite(s):** DVT\*3010

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4030 Radiography II Winter and Summer (LEC: 1, LAB: 3) [0.50]**

This course covers practical applications of all aspects of radiography in veterinary medicine. Emphasis of this course is on proper positioning, using mechanical restraints, trouble-shooting, use of contrast media, and creating a technique chart.

**Prerequisite(s):** DVT\*2340 or DVT\*3030

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4050 Surgical and Anaesthetic Principles II Winter and Summer (LEC: 1, LAB: 3) [0.50]**

Lectures will provide background information on the anatomy, patient complications for each surgery, as well as the requirements for client education. Supplementary surgical lectures provide information about other small and large animal surgeries commonly performed in clinical practice. During the laboratory sessions, students will continue to work in small groups, mastering their proficiency in delivering anaesthesia to animals, performing surgical assistance with aseptic instrument handling with the veterinarian, practicing surgical nursing and post-operative care to the patient.

**Prerequisite(s):** DVT\*2320, (DVT\*2210 or DVT\*3050)

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative programs.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4060 Veterinary Technology Externship Winter and Summer (LEC: 1) [0.00]**

The Externship is a six week, 240 hour training and evaluation period in which senior students in their last semester enter veterinary practices away from the Ridgetown Campus. The location should be one in which they have not worked or volunteered previously. Students are required to perform many of the duties that are commonly performed by graduate veterinary technicians, and are assessed by veterinarians or graduate veterinary technicians in the work setting. Students will be assessed by the practice supervisor with input from various members of the veterinary practice team. Students will also have the opportunity to assess their externship practice. If the externship is not completed satisfactorily, it will have to be successfully repeated before the student can graduate. A pass/fail grade will be assigned upon completion of the course.

**Prerequisite(s):** 9.00 credits

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program in the final semester of the program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4070 Animal Dentistry II Winter and Summer (LEC: 1, LAB: 3) [0.50]**

This course covers small animal oral health with an emphasis on the prevention of oral disease. Using models and live patients, students continue to utilize and develop the proper techniques involved in performing a complete dental prophylaxis, and ability to counsel clients on appropriate preventative home care. When students are using live animals to perform a complete dental prophylaxis, they will need to fully anesthetize their patient.

**Prerequisite(s):** DVT\*3070, [(DVT\*2210, DVT\*2320) or DVT\*3050]

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4080 Vet. Tech. Practical Applications Winter and Summer (LEC: 1, LAB: 3) [0.50]**

This course is a comprehensive overview of theoretical, applied and practical skills which are used to enhance the ability of students to work in the veterinary industry as Registered Veterinary Technicians. Students will be provided with the opportunity to integrate and apply knowledge with technical competency through various case studies with some role-play, which involves client/animal medical and ethical related scenarios. Students will complete independent study units with comprehensive laboratory exercises. This comprehensive course will identify all areas the students have studied to review and self-assess as they prepare for their National Veterinary Technology Examination.

**Prerequisite(s):** 9.00 credits

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus

**DVT\*4090 Laboratory and Exotic Animal Science Fall Only (LEC: 4) [0.50]**

This course familiarizes students with the husbandry, handling and veterinary care of common exotic species in the research laboratory, veterinary clinic and natural environments as well as concepts in genetics as they relate to veterinary medicine. Regulations, ethics and protocols surrounding the use of animals within scientific research will be discussed.

**Offering(s):** Also offered through Distance Education format.

**Restriction(s):** Registration in the Associate Diploma in Veterinary Technology Conventional or Alternative program. The Veterinary Technology Alternative program students must select the DE section as this is reserved for the Veterinary Technology Alternative delivery program students.

**Department(s):** Ridgetown Academic

**Location(s):** Ridgetown Campus