



VINT 580

Rotation Descriptions

2023-2024

WCVM Class of 2024



UNIVERSITY OF SASKATCHEWAN

Western College of
Veterinary Medicine

WCVM.USASK.CA

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Western College of Veterinary Medicine
VINT 580 ROTATION DATES
2023 - 2024

| Weeks | Dates | |
|----------------------|--------------------------|----------------------------|
| S1 – 2 | April 24, 2023 | May 7, 2023 |
| S3 – 4 | May 8, 2023 | May 22, 2023 |
| S5 – 6 | May 23, 2023 | June 4, 2023 |
| S7 – 8 | June 5, 2023 | June 18, 2023 |
| S9 – 10 | June 19, 2023 | July 2, 2023 |
| S11 – 12 | July 3, 2023 | July 16, 2023 |
| S13 – 14 | July 17, 2023 | July 30, 2023 |
| S15 – 16 | July 31, 2023 | August 13, 2023 |
| S17 – 18 | August 14, 2023 | August 27, 2023 |
| <hr/> | | |
| 1 – 2 | August 28, 2023 | – September 10, 2023 |
| 3 – 4 | September 11, 2023 | – September 24, 2023 |
| 5 – 6 | September 25, 2023 | – October 9, 2023 |
| 7 – 8 | October 10, 2023 | – October 22, 2023 |
| 9 – 10 | October 23, 2023 | – November 5, 2023 |
| 11 – 12 | November 6, 2023 | – November 19, 2023 |
| 13 – 14 | November 20, 2023 | – December 3, 2023 |
| 15 – 16 | December 4, 2023 | – December 17, 2023 |
| Holiday | December 18, 2023 | – January 1, 2024 |
| 17 – 18 | January 2, 2024 | – January 14, 2024 |
| 19 – 20 | January 15, 2024 | – January 28, 2024 |
| 21 – 22 | January 29, 2024 | – February 11, 2024 |
| 23 – 24 | February 12, 2024 | – February 23 (6PM), 2024 |
| Midterm Break | February 24, 2024 | – February 26, 2024 |
| 25 – 26 | February 27, 2024 | – March 10, 2024 |
| 27 – 28 | March 11, 2024 | – March 24, 2024 |
| 29 – 30 | March 25, 2024 | – April 7, 2024 |
| 31 – 32 | April 8, 2024 | – April 21, 2024 |

All 4th Year Clinical Rotations begin Monday's at 8:00 a.m.

Statutory Holidays are treated as a Saturday or Sunday during the 4th Year of the DVM Program. When a **Holiday** falls at the beginning of a rotation, the rotation will begin on Tuesday 8:00 a.m.

Students who are on-call or have patients in the hospital are responsible to be on service until Sunday at midnight to end their rotation. (Rotations with call responsibility over a statutory holiday will be required to be on service until Monday at 8:00 a.m.)

Agwest Veterinary Group

ROTATION CODE: AGW

INSTRUCTORS: Dr. L. Jeffery (Rotation Coordinator)

DURATION: 2 weeks

TIMING: pre-draft application procedure

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Agwest Veterinary Group is a multi-veterinarian large animal practice located in Abbotsford, BC, with a satellite location in Duncan, BC. Our two areas of focus are high-quality and progressive dairy and equine medicine, but we also support a growing number of small ruminant and camelid clients. We take pride in our preventative and collaborative approach to medicine and wish to share this attitude with visiting students. Students taking this rotation will be able to choose between two tracks: equine, or ruminant. The ruminant rotation is primarily focused on dairy medicine, but students are also likely to experience some beef, small ruminant, and camelid cases. In both tracks, students can expect to participate in a wide array of medical and surgical procedures utilizing state-of-the-art equipment and techniques. Students taking the ruminant track can choose between our Abbotsford and Duncan locations to best suit their interests. Please note that the equine rotation is only offered in Abbotsford.

Our equine practice is comprised of sport horses, recreational horses, and broodmares. We employ digital radiography and ultrasonography in addition to videoendoscopy (including gastroscopy) as imaging modalities, and provide sports medicine treatments such as extracorporeal shockwave therapy (ESWT) and regenerative medicine (Pro-Stride ACS, platelet-rich plasma, and stem cell therapy). We also integrate the inertial sensor-based lameness measurement system, the Equinosis Lameness Locator, into our sports medicine diagnostic process. Our equine veterinarians see a variety of patients including dental, lameness, reproductive, internal medicine, and minor surgical cases. We provide both hospital and ambulatory services to our clients. Our dairy practice services farms ranging from 50 to 650 cow herds. We take a proactive, collaborative approach to herd consulting, working with industry professionals including financial consultants, hoof trimmers and nutritionists. We place a strong emphasis on client education. Our herd health management programs incorporate data/records analysis (ie. Dairy Comp), ultrasound-based reproduction, production evaluation, udder health/parlour evaluation, cow comfort/lameness evaluation, nutrition evaluation, and facility evaluation. Agwest offers a complete embryo transfer (ET) service including a mobile laboratory as well as in-vitro fertilization (IVF) through collaboration with the Advanced Reproduction Centre (ARC). Students will participate in examining and treating patients both on the road and in clinic. The amount of hands-on experience provided will be based on preparedness for the given procedure. Students are encouraged to prepare ahead of time for scheduled calls and to have a basic understanding of common emergencies seen in equine and/or bovine practice in order to get the best educational experience at Agwest.

Evaluation is based on attitude, preparedness, knowledge, and clinical proficiency. Depending on caseload, the student may be assigned to a project, and this will contribute to his or her grade. Housing and transportation is not provided, but Agwest may be able to help the student make these arrangements.

CONTACT: To apply for this rotation, please send a cover letter and curriculum vitae to wcvm.curriculum@usask.ca

Albert North Veterinary Clinic – Regina

ROTATION CODE: ANVC

INSTRUCTORS: Dr. Tracy Fisher

DURATION: 2 weeks

TIMING:

11 – 12 November 6, 2023 – November 19, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 - January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Albert North Veterinary Clinic is a busy small animal clinic with an avian and exotics case load. Students will be assisting with medical and surgical cases and working with multiple veterinarians. Exotics case load consists mostly of rabbits, rodents, common species of reptiles and some birds. Students may opt out of exotics cases if they wish.

Hours: Monday/Tuesday/Thursday 7:30 am- 6:30 pm, Wednesday 7:30 am-8:30 pm, Friday 7:30 am-6 pm, Saturday 9 am-4 pm, Sunday Closed. Students will be expected to complete a 35 hour per week rotation and hours will be mutually agreed upon.

Attire: Surgical scrubs or Business Casual attire and lab coats.

Housing: We currently do not have housing provided. There are many hotel options in town. If a student is really interested and needs housing, we may be able to canvas staff for a billet but cannot guarantee anything.

CONTACT: **Tracy Fisher, DVM**
tracy.fisher@anvc.ca
C: (306) 530-7797
B: (306) 545-7211

Alberta Helping Animals Society – Edmonton

ROTATION CODE: AHAS, AHAS1

INSTRUCTORS: Savannah Howse-Smith, DVM
Connie Varnhagen, Phd, RVT

DURATION: 2 weeks

TIMING: S3-4 (May 8, 2023-May 22, 2023)
9-10 (October 23, 2023 – November 5, 2023)
31-32 (April 8, 2024 – April 21, 2024)

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Alberta Helping Animals Society (AHAS) is a non-profit registered charity that provides no-cost to client primary care veterinary services in Edmonton, Alberta. Our target demographic is vulnerable people who are unable to access regular veterinary care due to barriers including low income, physical/mental disabilities, inadequate housing, and other marginalizing factors. We currently treat dogs and cats. We have a stationary clinic as well as a house call component to the practice.

The goals of this rotation is to provide an opportunity for the student to engage in charitable veterinary work, to learn about contextualized care (spectrum of care), to learn about the human-animal bond and the role it plays in a One Health medical system, and to gain/improve skills typically required in a primary care setting (spay/neuter procedures, dental procedures, wellness examinations, diagnosing and managing chronic illnesses, palliative care, end-of-life support and client communication).

Expectations:

The clinic is in operation Tuesday through Saturday from 8:00 am until 5:00 pm.

No after-hours call is required. Students will assist doctors during routine care appointments, dental procedures and surgeries. The student will be required to complete a client education related assignment - typically a demonstration video, a handout, or an infographic and presentation.

Attire: Extern's own scrubs, or scrub top with jeans.

Housing: May be able to provide accommodations.

Travel: Students are expected to arrange their own means of travel to Edmonton

CONTACT: Albertahelpinganimalsociety@gmail.com

howsedvm@gmail.com

Alberta Provincial Government - Edmonton

ROTATION CODE: ABL

INSTRUCTORS: Drs. Heather Vanesch, Leanna Grenwich, Andreeanne Morency

DURATION: 2 weeks

TIMING:

| | |
|---------|---|
| 7 – 8 | October 10, 2023 – October 22, 2023 |
| 9 – 10 | October 23, 2023 – November 5, 2023 |
| 11 – 12 | November 6, 2023 – November 19, 2023 |
| 13 – 14 | November 20, 2023 – December 3, 2023 |
| 15 – 16 | December 4, 2023 – December 17, 2023 |
| 17 – 18 | January 2, 2024 – January 14, 2024 |
| 19 – 20 | January 15, 2024 – January 28, 2024 |
| 21 – 22 | January 29, 2024 – February 11, 2024 |
| 23 – 24 | February 12, 2024 – February 23 (6PM), 2024 |
| 25 – 26 | February 27, 2024 – March 10, 2024 |
| 27 – 28 | March 11, 2024 – March 24, 2024 |
| 29 – 30 | March 25, 2024 – April 7, 2024 |
| 31 – 32 | April 8, 2024 – April 21, 2024 |

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: Animal Health and Assurance Branch is responsible for developing and maintaining legislation and policies relating to livestock health and food safety in the province.

The students will be familiarized with the role of veterinarians in provincial government as it relates to the development of legislation and policy related to animal health, welfare, food safety and surveillance activities conducted by technical team to mitigate risks to international and local and international market access for livestock and livestock products.

Expected Outcomes:

Become familiarized with the role of provincial government veterinarians in animal health surveillance, food safety and disease investigations in livestock and poultry.

Work with veterinary pathologists to conduct postmortems and provide pathologic diagnosis in livestock and poultry.

Engage in disease investigations in livestock and poultry diseases with our surveillance veterinarians and toxicologists.

Participate in the collection of appropriate diagnostic samples and understand the relevant diagnostic tests for disease investigation.

Become familiar with Federal and Provincial regulations as they relate to livestock health and food safety.

Evaluation:

Students will be expected to research and prepare a 10-15 minute case presentation during their last week from a case that will be presented to them during the course of the rotation. This will be part of their evaluation process in addition to daily participation and evaluation of clinical and diagnostic skills.

Practice Description/Caseload:

The Animal Health and Assurance Branch is integrated by four sections: Chief Provincial Veterinarian, Livestock Traceability and Welfare, Animal Health and Inspections and Investigations.

Student's time will generally be spent in the Animal Health Section which is staffed by technical experts in pathology, toxicology, theriogenology, epidemiology and programs.

Our team has worked on High Pathogenic Avian Influenza, Salmonella Enteritidis, Salmonella Typhimurium, Salmonella Heidelberg and ILT in poultry and Salmonella Typhimurium and S. Dublin outbreaks and lead toxicity cases in cattle. Other disease investigations included different cases of abortions in cattle and small ruminants, mortalities in non-quota-non commercial backyard poultry flocks and neonatal mortalities in cattle, sheep and goats.

We provide diagnostic pathology service to our Meat Inspection Branch and Fish and Wildlife Branch of Alberta Environment and Parks.

The Branch has three post-mortem facilities located around the province with an anatomic veterinary pathologist in Edmonton and veterinary technologists on staff in Airdrie and Edmonton, Fairview and Lethbridge.

The Branch is also very active in BSE, Chronic Wasting Disease and Scrapie surveillance in cattle, farmed and wild cervids, and sheep and goats.

CONTACT:

Dr. Jagdish Patel

jagdish.patel@gov.ab.ca

(780) 644-5093

Dr Delores Peters

Delores.Peters@gov.ab.ca

(403) 948-1527

Anesthesia

| | |
|------------------|---|
| ROTATION CODE: | ANE |
| INSTRUCTORS: | Drs. B. Ambros, S. Beazley, L. Gomez Fernandez |
| DURATION: | 4 weeks |
| TIMING: | 1 – 4 August 28, 2023 – September 24, 2023 5 – 8 September 25, 2023 – October 22, 2023 9 – 12 October 23, 2023 – November 19, 2023 13 – 16 November 20, 2023 – December 17, 2023 17 – 20 January 2, 2024 – January 28, 2024 21 – 24 January 29, 2024 – February 23 (6PM), 2024 25 – 28 February 27, 2024 – March 24, 2024 29 – 32 March 25, 2024 – April 21, 2024 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 9-11 students per rotation |
| DESCRIPTION: | <p>This course is designed to introduce the student to all aspects of clinical veterinary anesthesiology. By the end of this rotation it is anticipated that the student will be able to:</p> <ul style="list-style-type: none">• Perform patient evaluation and assessment relevant to anesthesia.• Develop an anesthetic plan that considers patient needs, procedure to be undertaken, potential complications, and optimal pain management.• Be familiar with basic clinical pharmacology, physiology and pathophysiology of the perioperative period.• Understand and apply supportive care in the perioperative period.• Set up of anesthesia workstation and perform safety checks.• Perform general anesthesia in healthy patients with minimum supervision.• Have appropriate knowledge and abilities to recognize and manage common anesthetic complications.• Have the appropriate knowledge in how to use standard anesthetic equipment.• Be able to plan and implement appropriate pain relief/management <p>Students are generally assigned to the Small Animal and Large Animal Anesthesia. Flexibility between Small and Large Animal Anesthesia will be allowed depending on student interests, but this may depend on caseload.</p> <p>Morning rounds will be held daily except for Friday where students are expected to present their case workups. On Friday the student is expected to attend the Friday morning seminars between 8-9am. Afternoon topic rounds will be held depending on the clinical service. Students are expected to prepare for and participate in topic rounds.</p> <p><u>Evaluation:</u></p> <p>Students evaluation will be based on the following factors:</p> <ul style="list-style-type: none">• Clinical performance• Intellectual participation (rounds)• DEPA (25%)• Written Quiz (15%) |

Animal Medical Centre North – Grand Prairie

ROTATION CODE: AMCN

INSTRUCTORS:

DURATION: 2 weeks

TIMING: 1 – 2 August 28, 2023 – September 10, 2023
15 – 16 December 4, 2023 – December 17, 2023

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Animal Medical Centre North is a general practice with a small animal and exotics case load located in Grand Prairie, AB. Students will assist doctors during routine care appointments, emergency and surgeries.

Attire: Extern's own surgical scrubs

Travel: Students are expected to provide their own means to travel to the practice.

CONTACT: **Sarah MacMillan**
Practice Manager
(780) 539-0636
sarah@animalmedicalcentrenorth.ca

Assiniboia Veterinary Clinic

ROTATION CODE: ASVC

INSTRUCTORS: Dr. Kelly Lightfoot

DURATION: 2 weeks

TIMING: 27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Students will accompany a vet throughout their rotation leading or assisting in all cases seen by the veterinarian. Students will be expected to take call 100% of the after hours emergencies during their rotation, because you may be exposed to more unique cases in the evening. During the spring, there is a great deal of large animal caseload including:

- Bovine obstetrics (malpresentations, caesareans, vaginal prolapses, uterine prolapses)
- Semen testing
- Bovine neonatal care

There will also be some small animal clinical cases, and others typical of a mixed animal practice.

Housing will be provided at one of the veterinarian's residents.

CONTACT: 1-877-909-4038
avclinic@sasktel.net

BC Provincial Lab - Abbotsford

ROTATION CODE: BCL

INSTRUCTORS: Drs. A. Britton, S. Raverty, V. Bowes, C. Himsworth, T. Redford and G. McGregor

DURATION: 2 weeks

TIMING:

- 1 – 2 August 28, 2023–September 10, 2023
- 3 – 4 September 11, 2023–September 24, 2023
- 5 – 6 September 25, 2023–October 9, 2023
- 7 – 8 October 10, 2023–October 22, 2023
- 9 – 10 October 23, 2023–November 5, 2023
- 11 – 12 November 6, 2023–November 19, 2023
- 13 – 14 November 20, 2023–December 3, 2023
- 15 – 16 December 4, 2023–December 17, 2023
- 17 – 18 January 2, 2024–January 14, 2024
- 19 – 20 January 15, 2024–January 28, 2024
- 21 – 22 January 29, 2024–February 11, 2024
- 23 – 24 February 12, 2024–February 23 (6PM), 2024
- 25 – 26 February 27, 2024– March 10, 2024
- 27 – 28 March 11, 2024–March 24, 2024
- 29 – 30 March 25, 2024 –April 7, 2024
- 31 – 32 April 8, 2024–April 21, 2024

* A student may take this rotation only once

** It is recommended that students taking this rotation have already completed the core Diagnostic Pathology rotation.

STUDENT NUMBERS: 1-2 students per rotation

DESCRIPTION: Do you want to have an exciting, hands-on, real-world experience? Do you think you will use a diagnostic laboratory in your future veterinary career? If so, then come spend some time with our team of board-certified pathologists. The rotation is devoted to the post-mortem examination of a range of animal species submitted through The Animal Health Centre (AHC), a high-volume, full-service veterinary diagnostic laboratory located in Abbotsford, British Columbia. Students gain experience in developing a diagnostic plan, conducting a complete necropsy, collecting samples, identifying and interpreting gross and microscopic pathology, using laboratory tests (e.g., bacteriology, virology, PCR, serology) to investigate differential diagnoses, synthesizing and interpreting information to make a diagnosis, documentation of case findings, and communicating with different types of clients and stakeholders. This experience will help you to develop your skills as a diagnostician no matter what field of veterinary medicine you pursue. We encourage students to take responsibility for cases, which fosters an effective learning environment. Plus, where else could you handle a cow, cat, chicken, cougar, and capybara all in single day! Students must provide their own footwear (rubber boots).

Students may indicate interest for specialty rotations prior to the draft in Poultry Health or Fish Health dependant on the lab's availability. Please contact the lab between the draft release and the change period to discuss timing.

CONTACT: **Dr. Glenna McGregor**
glenna.mcgregor@gov.bc.ca

BC SPCA Animal Welfare – Shelter Medicine

| | |
|------------------|---|
| ROTATION CODE: | BCA |
| INSTRUCTORS: | Hannah Weitzenfeld, DVM; Lyn Vargas RVT |
| DURATION: | 2 weeks |
| TIMING: | 17-18 January 3 rd - January 14 th , 2024 |
| | * A student may take this rotation only once |
| STUDENT NUMBERS: | 2 students per rotation |
| DESCRIPTION: | Students participating in this rotation will gain an understanding of shelter medicine; content is also relevant to providing veterinary care for shelter and rescue animals in general practice. Learning will be largely case-based and the rotation will include in-person training and meetings, structured discussion, and directed reading. Most content will be delivered live, but up to 20% may be pre-recorded. Student assessment will be based on participation (in discussion and case-based population health scenarios) and completion of an external shelter behaviour course online (8 hours). |

Note: This rotation will take place primarily at the Vancouver Provincial office/Hospital with some online content and area shelter visits a possibility. If there are shelter visits offsite from the provincial complex at 1245 E 7th Ave, transportation could be provided from the Vancouver Provincial Office. This rotation generally runs from 9:00 am – 4:30 pm (PT) weekdays. In addition to content from primary instructors, several guest lecturers with specific expertise will be part of the schedule.

Students completing this rotation will:

1. Design biosecurity and population management plans for common shelter infectious diseases
2. Conduct outbreak investigations and outbreak response
3. Apply and interpret diagnostic tests for common infectious diseases in various shelter resource scenarios
4. Apply clinical behaviour concepts in sheltered animals
5. Learn basic principles of veterinary forensics and animal welfare law enforcement
6. Understand animal welfare epidemiology- the flow of animals into and out of shelters in North America
7. Discuss community medicine principles including incremental care and One Health

CONTACT: **Dr. Hannah Weitzenfeld**
hweitzenfeld@spca.bc.ca

Beausejour Animal Hospital – External Dairy Rotation

| | |
|------------------|--|
| ROTATION CODE: | BEAU |
| INSTRUCTORS: | Drs. C. Leppelmann , E. Maguet, K. Swirsky, A. Pylypjuk, and C. Doyle |
| DURATION: | 2 weeks |
| TIMING: | Pre-draft application procedure (No summer rotations available) 3 – 4 September 11, 2023 – September 24, 2023 7 – 8 October 10, 2023 – October 22, 2023 13 – 14 November 20, 2023 – December 3, 2023 19 – 20 January 15, 2024 – January 28, 2024 |
| STUDENT NUMBERS: | 1 per rotation to allow the most hands on experience |
| DESCRIPTION: | <p>Beausejour Animal Hospital is a large independently owned mixed animal practice located in Beausejour, MB. We are a 50% large animal, and 50% small animal clinic. With the proportion of large animal being made up of approximately 80% dairy, 10% beef, 5% equine and a small percentage of small ruminant, camelid, swine, and poultry patients. Students will be primarily focusing on dairy while at our clinic despite us being a mixed animal practice.</p> <p>Our dairy practice services farms ranging from 40 to 1350 cow herds. We aim to help dairy producers maximize cow health and comfort by looking at herd production data and health indicators. Total Dairy Health Services include ultrasound based reproductive examinations, data/record analysis (i.e. Dairy Comp), production evaluation, udder health evaluation with in house milk culturing, parlour evaluation, cow comfort/lameness evaluation, facility evaluation, embryo transfer, protocol development, and employee training.</p> <p>Students will participate in examining and treating patients both on the road and in clinic. The amount of hands-on experience provided during surgeries/procedures will be based on preparedness for the given procedure. Students are encouraged to prepare ahead of time for scheduled calls and to have a basic understanding of common emergencies seen in bovine practice in order to get the best educational experience at Beausejour Animal Hospital.</p> <p>We have 24/7 emergency services for dairy and large animal and although we do encourage students to be available for after hours emergencies to optimize experience, it is not a requirement of the rotation.</p> <p>Evaluation is based on attitude, preparedness, knowledge, and clinical proficiency. Depending on caseload, the student may be assigned to a project, and this will contribute to his or her grade. Housing and transportation is not provided, but Beausejour Animal Hospital can help find housing/transportation options if needed.</p> |

Bovine Clinical Theriogenology

ROTATION CODE: BOVT

INSTRUCTORS: C. Palmer (Coordinator), F. Schumann

DURATION: 2 weeks

TIMING: S3-4 May 8 – May 21, 2023

STUDENT NUMBERS: Minimum 2 - Maximum 6

DESCRIPTION: The primary objective of this rotation is to provide an increased level of theoretical knowledge and clinical skill related to the fertility and breeding soundness of bulls. This rotation is being offered at the time of year when large groups of client-owned bulls are evaluated by WCVN clinicians which will give students ample opportunity to gain experience and build confidence in all aspects of the breeding soundness evaluation including the rationale behind each of the classification options and how results are communicated to clients. To enhance knowledge and ensure that clinical skills have a solid basis there will be both didactic classroom and lab instruction. Approximately 20% of the student's time will be spent in the classroom or a lab setting. Most of the lab time will be focused on evaluating sperm morphology including working as a group with an instructor on a multi-headed microscope. Students will be expected to be active participants in discussions and are strongly encouraged to take advantage of all learning opportunities.

Approximately 80% of the student's time will be spent in a clinical setting. This rotation is scheduled during a very busy time of year in food animal practice. In addition to bull evaluations students will have the opportunity to actively participate in the general case load. Dystocias, sick animals, necropsies, and herd health calls are some examples of what students might see. Students on this rotation are not limited to participating in theriogenology-type calls and may break up into smaller groups to travel with individual clinicians. Students will be expected to participate in didactic teaching opportunities which will be scheduled around clinical experiences. It is expected that all students participating in this rotation will gain at least some experience in bull breeding soundness evaluation but will not be limited to just going on bull calls. Likewise, it is expected that students will share learning opportunities with their peers equitably.

Students will be expected to share after-hours, Food Animal Fields Service call (evening and weekends) equally.

Students will be assigned some bull fertility cases with stained sperm morphology slides to evaluate. There will be no grade for this assignment, however, it must be completed to pass the rotation. A grade will be determined based on demonstrated knowledge/ willingness to learn, development of clinical skills, and willingness to participate.

Bow Valley Livestock Health- Brooks, AB & Coaldale Veterinary Clinic Ltd.

Coaldale, AB – Bovine Rotations

ROTATION CODE: BOWP

INSTRUCTORS: Dr. Blake Balog

DURATION: 2 weeks

TIMING: Pre-draft application procedure

9 – 10 October 23, 2023 – November 5, 2023

11 – 12 November 6, 2023 – November 19, 2023

29 – 30 March 25, 2024 – April 7, 2024

31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: We have a team of 11 veterinarians and 3 nutritionists with many years experience and are committed to providing students with knowledge and hands on experience related to bovine health. Rotations are split between Coaldale, Taber, and Brooks locations depending on the time of year and area of emphasis.

Weeks 29-32 Brooks- Obstetrics/Calf Health/Bull Breeding Soundness Evaluation:

The spring rotation will have opportunity to be involved in dystocia management, rectal/vaginal/uterine prolapse replacement, heifer palpation, bull breeding soundness evaluation, fixed-time AI program consulting, neonatal disease consultation and management, and various sick animal exams and surgeries.

Time permitting we encourage students to develop a technical document on a topic of interest to be used for either client education, staff education, or case presentation to colleagues. We encourage students to come prepared with questions and desire to jump into the technical work.

Students are encouraged to be engaged in after hours and weekend emergencies and expected to come with weather appropriate clothing and footwear.

Weeks 9-12 Brooks- Pregnancy testing and preventative medicine:

The fall rotation will involve pregnancy diagnosis, fetal staging, body condition scoring, basic nutrition consultation, backgrounding feedlot consulting, necropsy, a small number of bull breeding soundness exams, and various sick animal exams and surgical procedures.

Time permitting we encourage students to develop a technical document on a topic of interest to be used for either client education, staff education, or case presentation to colleagues. We encourage students to come prepared with questions and desire to jump into the technical work.

Students are encouraged to be engaged in after hours and weekend emergencies and expected to come with weather appropriate clothing and footwear.

Weeks 9-12 Coaldale/Taber- Feedlot consulting:

The fall rotation will involve feedlot consulting, routine feedlot visits, sick animal exams, necropsies, bloat/water belly surgery, prolapse replacement, and basic nutrition consultation.

Time permitting we encourage students to develop a technical document on a topic of interest to be used for either client education, staff education, or case presentation to colleagues. We encourage students to come prepared with questions and desire to jump into the technical work.

Students are encouraged to be engaged in after hours and weekend emergencies and expected to come with weather appropriate clothing and footwear.

Housing: Bow Valley Livestock Health and Coaldale Veterinary Clinic can provide housing accommodations but advanced communication is appreciated. In light of overlapping rotations housing is limited but there are suitable hotels and other local housing at times.

Application: Please submit a letter of interest and a CV to wcvm.curriculum@usask.ca addressed to Dr. Blake Balog.

CONTACT:

Blake Balog, DVM
Bow Valley Livestock Health
(403) 362-0826
blake@bvlh.ca
Brooks, AB
www.bvlh.ca

Bridgwater Veterinary Hospital & Wellness Center

ROTATION CODE: BRIDG, BRIDG1, BRIDG2, BRIDG3, BRIDG4, BRIDG5

INSTRUCTORS: Dr. Manjit Sra

DURATION: 2 weeks

TIMING: S1 – 2 April 24, 2023 - May 7, 2023
S5 – 6 May 23, 2023 - June 4, 2023
S9 – 10 June 19, 2023 - July 2, 2023
S13 – 14 July 17, 2023 - July 30, 2023
S17 – 18 August 14, 2023 - August 27, 2023
3 – 4 September 11, 2023 – September 24, 2023
7 – 8 October 10, 2023 – October 22, 2023
11 – 12 November 6, 2023 – November 19, 2023
15 – 16 December 4, 2023 – December 17, 2023
19 – 20 January 15, 2024 – January 28, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
27 – 28 March 11, 2024 – March 24, 2024
31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Observing and assisting DVMs with a variety of cases from wellness appointments to all types of critical/emergencies cases. We care for up to 25 hospitalized patients a day, as well as tend to scheduled appointments, triage appointments and do major surgeries and emergency surgeries throughout the day.
We are also a referral Hospital so observing and/or assisting with endoscopies, orthopedic surgeries, ultrasounds, CT scans.

We offer a variety of hours. To have the full experience of a 24-hour emergency Hospital, we recommend daytime, evening and overnight hours.

Attire: Business Casual with or without a Lab Coat.

Housing: There are quite a few hotels near our Hospital.

Travel: Depending on location, a car rental would be ideal. There are bus routes as well.

CONTACT: **Crystal Miller**
Hospital Administrator
crystal.miller@bridgwatervethospital.ca
(204) 452-0911

Burwash Equine Services – Calgary

ROTATION CODE: BUR, BUR1, BUR2, BUR3, BUR4

INSTRUCTORS: Dr. Crystal Lee

DURATION: 2 weeks

TIMING: S5-6 May 23, 2023 - June 4, 2023
S7-8 June 5, 2023 - June 18, 2023
S15-16 July 31, 2023 - August 13, 2023
S17-18 August 14, 2023 - August 27, 2023
1-2 August 28, 2023 - September 10, 2023
3-4 September 11, 2023 - September 24, 2023
5-6 September 25, 2023 - October 9, 2023
7-8 October 10, 2023 - October 22, 2023

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: This rotation is oriented towards a student with a strong interest in equine practice. Burwash Equine Services is a private practice in Calgary, Alberta. We have a strong first opinion caseload as well as accepting referrals from across Alberta and BC. We see approximately 50% of our cases in hospital, and 50% on an ambulatory basis. Our team consists of five senior veterinarians (including one boarded surgeon and one boarded theriogenologist) and two intern veterinarians. Our hospital is equipped with 3 exam rooms, a full surgery suite, two isolation stalls, a reproduction facility, 1m and 3m endoscopy, arthroscopy, laparoscopy, digital radiography, ultrasound, Equinosis Q (lameness locator), Pro-Stride, shockwave, and regenerative laser. We perform surgical procedures under both standing and general anesthesia. Our typical caseload consists of dentistry, herd health, sports medicine, prepurchase evaluation, reproduction, emergency, surgery, internal medicine, and podiatry. On rotation, students will gain exposure to general equine practice, including both in clinic and ambulatory cases. Students will also gain familiarity with our equine internship program. On call expectations include every other weeknight and the weekend in the middle of the rotation. If the student desires, the rotations in S5-6 and S7-8 may have a reproduction focus; otherwise, the rotations will have a general practice focus. We have a strong emphasis on sustainability in equine practice, and are passionate about encouraging and teaching young veterinarians entering the field. Our intent is that you would leave this rotation more confident in your equine clinical skills, and excited about the opportunities available for you in equine practice.
Housing: provided

CONTACT: **Dr. Crystal Lee, DVM, MS, DACVS-LA**
Practice Owner, Board-Certified Surgeon, Veterinarian
Burwash Equine Services
Calgary, Alberta, Canada
403-242-1913
crystal.lee@burwashequine.ca

Calgary Zoo Animal Health Center – Zoo Medicine

| | |
|------------------|--|
| ROTATION CODE: | CALZ |
| INSTRUCTORS: | Drs. A. Pastor and D. Whiteside |
| DURATION: | 4 weeks |
| TIMING: | pre-draft application procedure November 2023 Feb 2024 April 2024 |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>This rotation is designed to familiarize students with the clinical care of zoological species, and expose them to the multi-faceted aspects of zoological medicine. Externs will be exposed to, and participate in, the various aspects of zoological medicine including general medicine and surgery (including clinical techniques and diagnostics), restraint of various species, preventive health care programs, quarantine procedures, nutrition and husbandry, behavioural husbandry programs, pathology, endangered species breeding programs, and daily interactions with animal care staff.</p> <p><u>Expected Outcomes:</u></p> <ol style="list-style-type: none">1. Identify the essential duties of a zoo veterinarian.2. Develop an understanding of the roles of the veterinary team, curators, animal care staff, and conservation biologists at the zoo in the management strategies for captive wildlife.3. Become familiarized with the role of zoo veterinarians in conservation efforts and the potential areas of research that will bridge knowledge gaps between free ranging and captive wildlife species.4. Develop an understanding of the role that accredited zoological parks and aquariums play in modern society describe how they contribute to the management of endangered species.5. Understand the public and ethical issues facing zoos and be aware of the animal welfare issues involved in zoo veterinary medicine.6. Develop an understanding of zoo terminology.7. Identify the basic taxonomy of zoological species.8. Become familiar with preventive medicine, emergency care, quarantine, nutrition, husbandry and environmental needs, training, enrichment, exhibit design, captive breeding or contraception, shipping regulations, and research with zoo animals.9. Develop an understanding of the medical and surgical principles of zoo practice and the limitations associated with the capture, restraint (chemical and manual), diagnosis and treatment of medical conditions in zoo animals.10. Become familiar with physical and chemical restraint techniques, anesthetic agents commonly used in zoo medicine, indications for their use, and the delivery immobilization equipment (pole syringe, blow pipes, firearms).11. Be familiar with transport, movement, capture, and anesthesia methods to reduce risk and stress related morbidity and mortality in zoological species. |

12. Expand upon and apply veterinary medical knowledge in the management and treatment of zoo/exotic animal species.
13. Recognize anatomical and physiological differences between animal(s) and common domestic species, and be able to carry out a species appropriate physical examination.
14. Participate in the collection of appropriate diagnostic samples and understand the relevant diagnostic tests for disease investigation.
15. Administer oral medications, and perform intravenous, intramuscular and subcutaneous injections in various zoological taxa.
16. Learn to perform a necropsy with appropriate sample collection on a deceased wildlife species.
17. Identify biosecurity and safety issues in a zoological setting including zoonotic disease.
18. Become familiar with the professional organizations and resources available to the zoo veterinarians.
19. Be familiar with Federal and Provincial regulations as they relate to zoo populations.

Evaluation:

Students will be expected to research and prepare a 10-15 minute case presentation during their last week from a case they have seen during their rotation. This will be part of their evaluation process in addition to daily participation and evaluation of clinical and diagnostic skills.

Practice Description/Caseload:

The Calgary Zoo is home to approximately 1000 animals of 180 different species. The zoo actively participates in numerous Species Survival Programs as well as captive management programs for Canada's most endangered mammal- the Vancouver Island Marmot, and most endangered bird- the Whooping Crane. The Calgary Zoo Animal Health Centre is an ABVMA accredited veterinary hospital which provides the veterinary care for all of the animals at the Calgary Zoo and its associated Wildlife Conservation Centre (WCC). The hospital includes a central treatment room, a large surgical suite, radiology and imaging suite, necropsy facilities, clinical laboratory, quarantine facilities, animal holding areas, and a meeting room with a reference library. Ambulatory services are provided to the zoo and the WCC. The Animal Health Centre is staffed by three veterinarians, three registered animal health technologists, a veterinary intern and two zookeepers. The caseload is approximately 900 patients a year. In addition, occasional wildlife cases are triaged.

Application: Please submit your cover letter and resume (including two reference letters) to wcv curriculum@usask.ca by January 20th.

CONTACT:

Dr Adriana Pastor
adrianap@calgaryzoo.com
(403) 355-6608

Canada West Veterinary Specialists – Emergency and Critical Care

ROTATION CODE: CWC, CWC1, CWC2, CWC3, CWC4

INSTRUCTORS: Dr. Kirsty Royle, MA VetMB, Dip. ACVECC
Dr. Carsten Bandt, DVM, Dip. ACVECC
Dr. Teresa Cheng, DVM, MSc, Dip. ACVECC
Dr. Chris Drolet, DVM, MSc, Dipl. ACVECC
Dr. Andrea Henriksson, DVM, MS, DACVECC

Seven highly trained emergency doctors, 2 ERCC residents and 2 ERCC interns also help to run the ER department along with a large team of ERCC dedicated veterinary technicians, 2 of whom are Veterinary Technician Specialists (VTS) in Emergency and Critical Care.

DURATION: 2 weeks

TIMING: S1 – 2 April 24, 2023 - May 7, 2023
S3 – 4 May 8, 2023 - May 22, 2023
S5 – 6 May 23, 2023 - June 4, 2023
S17 – 18 August 14, 2023 - August 27, 2023
1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 – January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Objectives:
To provide the 4th year student with the basic skills and understanding in the management of commonly encountered emergency situations. To help build confidence in the appropriate approach to emergency cases. To introduce the complexities involved in the management of critically ill patients. To discuss the pathophysiology behind the diseases presented in the emergency and critically ill setting.

Specific goals to complete (case dependent):

- Techniques for cardiopulmonary resuscitation (CPR)
- Approach to thoracocentesis (diagnostic and therapeutic)
- Approach to abdominocentesis (diagnostic and therapeutic)

- Approach to chest tube placement
- Approach to pericardiocentesis
- Fluid therapy in emergency and critical care
 - Crystalloids
 - Synthetic colloids
 - Natural colloids
- Pain control
- Nutritional support with emphasis on tube placement techniques
- Practical management of critical patients (ie. application of constant rate infusions, oxygen delivery, etc.)

Expectations

Use of any social media and cellular phones is not permitted during rotation hours.

Workdays: to be determined by the caseload, typically Monday- Friday, 5 days a week

Work hours: to be determined by the caseload, day begins at 8 am and ends after evening rounds (approximately 6pm but variable depending on case load).

Please note that in ERCC weeks, STAT holidays are normal working days. 10 days working must be completed for a two-week rotation. If a student misses a day, it must be made up on the weekend.

Students are encouraged to spend time with the criticalists, residents, interns and ER Doctors to gain the most from their time.

Students will gain the most from this rotation if they are outgoing and willing to jump into help. We run a very busy department and students that are willing to jump into anything interesting going on will gain the most experience.

Attire: Extern's own surgical scrubs

Housing: Not provided

Travel: Students are expected to provide their own means to come to Vancouver.

CONTACT:

Amanda Serafin

Human Resources Coordinator

Canada West Veterinary Specialists

aserafin@canadawestvets.com

Canada West Veterinary Specialists – Neurology

ROTATION CODE: CWN, CWN1, CWN2, CWN3, CWN4, CWN5, CWN6

INSTRUCTORS: Dr. Nick Sharp, Dip. ACVS, ACVIM
Dr. Rachel Lampe, Dip. ACVIM

DURATION: 2 weeks

TIMING: S3 – 4 May 8, 2023 - May 22, 2023
S5 – 6 May 23, 2023 - June 4, 2023
S7 – 8 June 5, 2023 - June 18, 2023
S9 – 10 June 19, 2023 - July 2, 2023
S15 – 16 July 31, 2023 - August 13, 2023
S17 – 18 August 14, 2023 - August 27, 2023
1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
17 – 18 January 2, 2024 – January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: A student's grade will be based on showing us that they understand the neurologic examination and neurolocalization in simple terms, i.e. that they can differentiate forebrain versus brainstem disease; central versus peripheral vestibular disease; and that they understand localization of a lesion to one of the four regions of spinal cord. Students must also demonstrate understanding of diagnostic and treatment options for seizures and for paresis and know where to find further information on these subjects. Finally, students must appreciate that 1 or 2 weeks on Neurology will almost certainly not be enough to be able to learn how to examine and localize a dog accurately themselves, as this often takes a neurology resident 6-months or so; rather that they understand the principles behind these skills.
Attire: Extern's own surgical scrubs or lab coat
Housing: Not provided
Travel: Students are expected to provide their own means to come to Vancouver.

CONTACT: **Amanda Serafin**
Human Resources Coordinator
Canada West Veterinary Specialists
aserafin@canadawestvets.com

Canada West Veterinary Specialists – Surgery

ROTATION CODE: CWS, CWS1, CWS2, CWS3, CWS4, CWS5, CWS6

INSTRUCTORS:

Surgeons:

Dr. Michael King, BVSc, MS, Dip. ACVS

Dr. Emma Hall, BVSc, BSAVA PGCertSAS, DipECVS

Dr. Jo Anne Au Yong, BVSc, MS, Dip. ACVS

Dr. Willemijn Hoorntje, DVM (residency trained)

DURATION:

2 weeks

TIMING:

S1 – 2 April 24, 2023 - May 7, 2023

S3 – 4 May 8, 2023 - May 22, 2023

S5 – 6 May 23, 2023 - June 4, 2023

S7 – 8 June 5, 2023 - June 18, 2023

S9 – 10 June 19, 2023 - July 2, 2023

S15 – 16 July 31, 2023 - August 13, 2023

1 – 2 August 28, 2023 – September 10, 2023

3 – 4 September 11, 2023 – September 24, 2023

5 – 6 September 25, 2023 – October 9, 2023

7 – 8 October 10, 2023 – October 22, 2023

9 – 10 October 23, 2023 – November 5, 2023

11 – 12 November 6, 2023 – November 19, 2023

13 – 14 November 20, 2023 – December 3, 2023

15 – 16 December 4, 2023 – December 17, 2023

17 – 18 January 2, 2024 – January 14, 2024

19 – 20 January 15, 2024 – January 28, 2024

21 – 22 January 29, 2024 – February 11, 2024

23 – 24 February 12, 2024 – February 23 (6PM), 2024

25 – 26 February 27, 2024 – March 10, 2024

27 – 28 March 11, 2024 – March 24, 2024

29 – 30 March 25, 2024 – April 7, 2024

31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION:

Objective:

To increase the 4th year students understanding of common surgical conditions, including pathophysiology, diagnostics, peri-operative care, anesthetic management, and surgical techniques.

Specific Goals:

- Approach to the orthopedic examination
- Development of appropriate anesthetic protocols
- Development of appropriate post-operative analgesic regimen
- Application of appropriate diagnostic techniques in workup of surgical cases
- Arthrocentesis

- Understanding of different suture materials/patterns, and their appropriate application.

Expectations:

Workdays: Monday-Friday

Work Hours: Determined by caseload (days will begin at 8:30am)

Use of social media is not permitted during rotation hours.

Students are expected to assess all surgical inpatients initially each morning of the rotation, to be able to discuss the case with the Attending Surgeon regarding treatment plans.

Each student is expected to prepare for any scheduled surgery they plan to observe, by reading appropriate texts and journal articles pertaining to the procedure.

Students will be expected to scrub in to assist in surgical procedures at the Surgeons discretion.

Students will be able to be present in Surgical consultations with clients to observe, but will not have case responsibility, or direct communication with clients, other than at the discretion of the Attending Surgeon.

Attire: Extern's own surgical scrubs or lab coat

Housing: Not provided

Travel: Students are expected to provide their own means to come to Vancouver.

CONTACT:

Amanda Serafin

Human Resources Coordinator

Canada West Veterinary Specialists

aserafin@canadawestvets.com

Canadian Challenge Sled Dog Race

ROTATION CODE: SLED

INSTRUCTORS: Dr. R. Pinto

DURATION: 2 weeks

TIMING: Weeks 23 – 24 February 14, 2024 – 6 pm February 24, 2024

****Rotation includes a full day on a STAT holiday. It also includes Feb 23 and 24, which are part of the Midterm Break. In compensation for this and due the large number of hours worked during the week of the race, the rotation will begin on Wednesday Feb 14th. Organization meetings prior to the race will be required and will be scheduled based on students' availability. This rotation requires long hours, including throughout the night.**

STUDENT NUMBERS: 3 students per rotation

DESCRIPTION: In the first week of the rotation, students will learn about sled dog medicine, including examination of sled dogs and common health conditions. They will be required to research and briefly present a topic related to sled dog health. An excursion to a sled dog kennel will be included.

In the second week of the rotation, students will participate in the evaluation and care of the sled dogs running in the Canadian Challenge Sled dog race. Due to time constraints in a race, this may sometimes consist of observing race veterinarians and recording findings. When time permits, students will have the opportunity to examine dogs. They will also participate in any required treatment of dogs in typical field conditions.

Students will need to be prepared for long days outside in extremely cold weather. Good quality winter gear is required. This rotation will require students to be in attendance at the race for its entire duration. Care is provided to dogs 24 hours per day throughout the race. Sleep will be limited at times and may consist of short naps in vehicles at some check points. During the race, travel will occur through remote northern communities as well as through wilderness checkpoints.

****Please note that students with dietary restrictions may need to ensure that they provide all their own meals as the majority of meals in the past have consisted of meat and contained gluten.**

****Students are required to have a current and valid drivers license.**

****A remote clinical practice rotation prior to this rotation is recommended, but not required**

Canine and Feline Integrative Rehabilitation, Orthopedic and Pain Rotation

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|------------------|---|
| ROTATION CODE: | MOBI |
| INSTRUCTORS: | Dr. Tara Hudye DVM CCRP CVPP (Certif. Veterinary Pain Practitioner), affiliate partner clinic OrthoPets Canadian Prairie Assistant Instructors: Dr Corben Scherer DVM, CTMT, CCICR; Dr. Alexina Lebreque DVM, CCICR, CVA (in progress); Dr. Lorilee Sereda DVM www.vetmobilitycenter.ca |
| DURATION: | 2 weeks |
| TIMING: | Pre-draft application-based rotation Week 5-6 Sept 25-Oct 9, 2023 Week 19-20 Jan 15-28, 2024 |
| STUDENT NUMBERS: | 2 students per rotation |
| DESCRIPTION: | Rotation hours are generally 9-6pm Monday- Friday. There are no on call or weekend duties. It is recommended to review canine bone and muscle anatomy as this will greatly benefit attendees in the rotation. Grading will be based on participation, professionalism, skill in rehabilitation techniques and knowledge and patient care. Case load varies and may include: <ul style="list-style-type: none">- Initial work up of lameness, neurological and arthritic caseload- Exposure to orthopedic surgery including TPLO, extracapsular, patellar luxation, fracture repair etc. – post operative rehabilitation care- Musculoskeletal ultrasound of shoulder soft tissue pathology for diagnostic purpose and treatment guidance of PRP injection- Orthotics and prosthetics- recommendations of devices, fiberglass impressions and fittings, and case management of typically conservatively managed cruciate cases- Rehabilitation cases including all treatment modalities, manual therapy and exercise therapy- Acupuncture- both TCM and Western approach <u>Objectives include:</u> <ul style="list-style-type: none">- Understand the healing process of soft tissue to injury and the response to disuse and remobilization- Understand the rationale of rehabilitation modalities, their mode of action and appropriate use in specific injury or pathological states. Modalities include laser therapy, TENS, NMES, therapeutic ultrasound, cryotherapy including Game Ready compression unit, heat, PEMF and acupuncture.- To become familiar with the approach of integrative mobility and rehab cases- diagnostic plan, goals of therapy and prognosis, and treatment plan- Increase the understanding of pain- types of pain, their influence on healing and development into chronic and windup pain, pharmaceutical and non pharmaceutical/ modality analgesic methods. |

- To become familiar with chronic and acute pain scoring techniques and how it can be incorporated into case management and acute post operative cases.
- Understand and become familiar with common musculoskeletal pathologies in canine and feline patients. Pathogenesis, diagnostic testing and treatment options for such cases that include orthopedic surgical treatment, orthotics and adaptive devices, regenerative medicine and rehabilitation.
- Understand regenerative medicine, in particular stem cell therapy and platelet rich plasma therapy- indications for use, mode of action and outcomes
- Understand therapeutic land exercises and their desired purpose and rationale for use.
- To become familiar with the properties of water based therapy through the use of our 2 underwater treadmills.
- Understand and become familiar with nutraceuticals, joint supplements and their role with cartilage health and pain relief.

Our ultimate goal of this rotation is not to teach the specifics of each modality used in rehab therapy, nor do we expect the student to develop an elaborate rehabilitation plan. Instead, we strive to teach the student an integrative, whole body approach to diagnosing the lameness and its often overlooked compensatory issues. We want to teach them a logical plan to treatment options that may include pharmaceutical therapy, rehabilitation techniques, home environment alterations, assistive mobility devices such as harnesses to assist owners, acupuncture, surgery and orthotic devices. Should the student be interested in furthering their knowledge in rehabilitation or acupuncture, we will give them guidance on achieving such certifications which will surely benefit their patients.

Canine Rehabilitation

Rotation Code: CRH

Instructors: Dr. R Pinto, Dr. K. Penney

Duration: 2 weeks

Timing: Weeks 3-4 Sept 11-24
Weeks 9-10 Oct 23-Nov 5
Weeks 13-14 Nov 20-Dec 3
Weeks 19-20 Jan 15-28
Weeks 29-30 Mar 25-Apr 7

* A student may take this rotation only once.

Student Numbers: 2-4 students per rotation

Description: Daily activities will consist of topic rounds as well as participation in the treatment of clinical rehabilitation cases. Students will be required to present a relevant scientific article of their choice during the first week and a comprehensive rehabilitation plan they have designed during the second week.

Rotation hours are generally from 8:00 am to 5:00 pm Monday to Friday, however, some patient care for in-hospital patients may be required evenings and weekends. One day each week, students will be required to stay late for appointments. There will be no on-call duties.

Background reading from the textbook *Canine Rehabilitation and Physical Therapy* (2nd edition) by Darryl Millis MS DVM, David Levine PhD PT, and Robert A. Taylor DVM MS is required before the start of the rotation. This textbook is on reserve in the library. A review of canine applied anatomy, particularly bones and muscles is also required.

Grading will be based on knowledge, rounds participation, skill in rehabilitation techniques, patient care, attitude and the presentation of a scientific article and treatment plan.

Goals:

- to understand the healing of various tissues, as well as their response to disuse and remobilization
- to become familiar with the approach to rehabilitation of cases involving post-operative orthopedics, neurologic cases and soft tissue injuries
- to perform initial evaluations on clinical cases and formulate treatment plans with the guidance of a rehabilitation clinician
- to become competent with basic techniques such as massage, passive range of motion, stretching and rhythmic stabilization
- to understand the use of modalities such as heat, ice, therapeutic ultrasound, acupuncture, E-stim and low-level laser
- to understand the application of therapeutic exercises such as cavelettis, sit to stands and the underwater treadmill
- to become familiar with some of the scientific literature on canine rehabilitation

On completion of the rotation, students should be familiar with many of the concepts in rehabilitation, however, it is still recommended that those interested in practicing rehabilitation medicine take further training and become certified practitioners.

C.A.R.E. Centre Animal Hospital ER Rotation

| | |
|------------------|---|
| ROTATION CODE: | CARE |
| INSTRUCTORS: | Drs. John Murray, Dave Eisenbart |
| DURATION: | 2 weeks |
| TIMING: | 5 – 6 September 25, 2023 – October 9, 2023 11 – 12 November 6, 2023 – November 19, 2023 19 – 20 January 15, 2024 – January 28, 2024 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 2 students per rotation |
| DESCRIPTION: | The rotation is designed to expose students to the management of small animal emergency and critical care cases including the fundamentals of initial triage and stabilization. It will allow students that have an interest in emergency medicine and critical care (or small animals in general) to expand their knowledge, clinical skills and experience in these areas. The students will get primary case responsibility, dedicated time for self-learning and case discussion, and experience the dynamics of a busy ER and specialty referral centre. |

Goals of the rotation:

1. Expose students to a broad emergency caseload.
2. Recognize unstable patients and emphasize/employ the principles behind urgent stabilization.
3. Collect a relevant history and perform a clinical examination of an individual animal or a small group of animals.
4. Practice with creation of problem lists and relevant differential diagnoses.
5. Develop a diagnostic plan in conjunction with the attending DVM. Communicate this to support staff and participate in the collection of appropriate diagnostic samples. Start to understand the relevant diagnostic tests for disease investigation.
6. Interpret clinical exam findings and diagnostic test results, and develop a plan for patient management.
7. Understand the therapeutic options, and the rationale behind appropriate drug selection (eg. antimicrobials, analgesics, anesthetics, etc.) in small animal medicine practice.

Details of the rotation (including caseload, personnel, policies, pre-requisites, insurance requirements, expectations, extra costs involved, evaluation):

It is expected that the majority of the rotation will focus on receiving emergency cases. Students will be expected to play a major role in case management (e.g. triage, client communication, admissions, discharges, diagnostics, procedures, daily care and assessments) under the guidance of a C.A.R.E. practitioner. We also try to coordinate two days with our Critical Care Service where students will get experience managing hospitalized patients. Students who are particularly interested in a small animal internship (whether at the C.A.R.E. Centre or otherwise) are encouraged to consider this rotation.

Travel and Accommodation: Special arrangements are not applicable. Students will be expected to arrange their own transportation to Calgary, accommodations and meals in Calgary and daily transportation to the C.A.R.E. Centre.

Evaluation: A standard evaluation provided by the WCVM will be completed by the C.A.R.E. Centre practitioner(s) that the students worked with primarily and returned by the deadline provided by WCVM. Feedback will be provided to the students throughout the rotation.

Hours of work and expectations for on-call: Students on this rotation will not be working a regular 8:00 am to 5:00 pm day. Shifts for students are mostly held during the after-noon and evening (typically 3:00 pm to 1:00 am) which is when high-er volume and varied patient caseload is typically presented to the hospital. The rotation is scheduled Monday to Thursday for both weeks, but students are required to pick up one extra shift of their choice in the middle weekend (Friday, Saturday or Sunday). One or two days will be planned during regular business hours (i.e. 7am-5pm) to work alongside the criticalist. Further details on shifts and rounds times are provided to the students prior to the rotation starting.

CONTACT:

Keira Goodridge

Assistant General Manager, AHT

(403) 520-8387

keira.goodridge@vca.com

Centennial Animal Hospital - Winnipeg

ROTATION CODE: CAH, CAH1, CAH2, CAH3, CAH4, CAH5, CAH6, CAH7, CAH8, CAH9

INSTRUCTORS: Dr. Aaron Mooi

DURATION: 2 weeks

TIMING:

- S1 – 2 April 24, 2023 – May 7, 2023
- S3 – 4 May 8, 2023 – May 22, 2023
- S5 – 6 May 23, 2023 – June 4, 2023
- S7 – 8 June 5, 2023 – June 18, 2023
- S9 – 10 June 19, 2023 – July 2, 2023
- S11 – 12 July 3, 2023 – July 16, 2023
- S13 – 14 July 17, 2023 – July 30, 2023
- S15 – 16 July 31, 2023 – August 13, 2023
- S17 – 18 August 14, 2023 – August 27, 2023
- 1 – 2 August 28, 2023 – September 10, 2023
- 3 – 4 September 11, 2023 – September 24, 2023
- 11 – 12 November 6, 2023 – November 19, 2023
- 15 – 16 December 4, 2023 – December 17, 2023
- 17 – 18 January 2, 2024 - January 14, 2024
- 19 – 20 January 15, 2024 – January 28, 2024
- 21 – 22 January 29, 2024 – February 11, 2024
- 23 – 24 February 12, 2024 – February 23 (6PM), 2024
- 25 – 26 February 27, 2024 - March 10, 2024
- 27 – 28 March 11, 2024 – March 24, 2024
- 29 – 30 March 25, 2024 – April 7, 2024
- 31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Centennial Animal Hospital is an established small animal clinic located in the south end of Winnipeg with over 50 years in the community. We are the only veterinary supervised grooming facility in Winnipeg. We have a strong Chinese clientele and have mandarin speaking team members available for translation. This would be a great opportunity for a student who speaks Mandarin.

We work with cats, dogs and exotic pets. We have partnerships with several rescue organizations with our biggest rescue being MAA (Manitoba Animal Alliance). Students will be shadowing and assisting with appointments and surgeries. We have 3 veterinarians who all practice with exotics so mentorship is available. Dentistry is also a major part of our practice. We do have a surgical CO2 laser, Idexx laboratory equipment, digital xray and dental xray are available. We also have a therapeutic laser on site.

9 hour shifts with 1 hour lunch breaks. We are open Monday-Thursday 7:30am-8pm. Shifts include 8am-5pm, 9am-6pm and 11am-8pm. We are open on Fridays 7:30am-7pm. Shifts include 8am-5pm and 9am- 6pm. Saturdays, we are open 8am-5pm where the shifts are the same. Students will retain the same hours as their assigned veterinarian.

Attire: Student's own scrubs or business casual. Lab coats are available on site or one could provide their own.

Housing: Not provided. There are a few hotels in the area.

CONTACT:

Diane Skillen

Practice Manager

diane.skillen@centennialanimalhospital.com

(204) 269-8162

Dawna Thompson

Office Manager

dawna.thompson@centennialanimalhospital.com

(204) 269-8162

City Park Vet – Saskatoon

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| ROTATION CODE: | CPV, CPV1, CPV2 |
| INSTRUCTORS: | Dr. Leo Perlinger and Dr. Rebecca Mycock |
| DURATION: | 2 weeks |
| TIMING: | S9 – 10 June 19, 2023 - July 2, 2023 S17 – 18 August 14, 2023 - August 27, 2023 |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>City Park Veterinary Services is a small animal general practice located near the city centre in Saskatoon, SK.</p> <p>City Park Vet opened in the summer of 2021 with a goal of providing practical care focused on client relationship building. Since opening we have developed a team of three veterinarians and about 6 support staff.</p> <p>As a new practice we have up to date equipment (labs, monitoring, imaging, computer systems).</p> <p>We offer a range of services including elective desexing for dogs, cats and rabbits; soft tissue surgery; basic orthopedics including FHO's and amputations; diagnostic abdominal ultrasound; and lots of dentistry.</p> <p>Students at City Park Vet will have the opportunity to work with an experienced vet in consulting and surgery. They will have time to practice surgery on rescue spays and neuters (with supervision and guidance from an experienced vet as needed). We strive to give them the experience of a new graduate without the fear of being thrown to the wolves.</p> |
| CONTACT: | (306) 518-4206 contact@cityparkvet.com |

Clinical Pathology

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| ROTATION CODE: | CLP |
| INSTRUCTORS: | Drs. R. Dickinson (coordinator), H. Burgess, M. Meachem, L. Munasinghe and N. Fernandez |
| PREREQUISITES: | Students who have completed VTPA 421 – Veterinary Cytology will be given priority for this course. If there are still openings will it be offered to students without VTPA 421. |
| DURATION: | 2 weeks |
| TIMING: | 27 – 28 March 11, 2024 – March 24, 2024 29 – 30 March 25, 2024 – April 7, 2024 31 – 32 April 8, 2024 – April 21, 2024 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 3 students per rotation |
| DESCRIPTION: | Students who complete the two-week mandatory rotation in Diagnostic Pathology are eligible to take an elective two week rotation. These rotations will be available to three students per rotation who will assist the pathologist on duty. Three such rotations will be offered. |

Crossroads Veterinary Clinic – Rosslyn, ON

ROTATION CODE: CROSS

INSTRUCTORS:

DURATION: 2 weeks

TIMING: 1 – 2 August 28, 2023 – September 10, 2023

* A student may take this rotation only once.

STUDENT NUMBERS: 1 students per rotation

DESCRIPTION: Crossroads Veterinary Clinic is a general practice clinic located in Rosslyn, Ontario (Thunder Bay area). Students will be assisting doctors during routine appointments, surgeries and emergencies. The majority of the case load will be cats and dogs.

Expectations:

Work Hours: Monday - Friday 9am-430p, and Saturdays 9a-2pm; On-call with another hospital and the week is split amongst DVMs.

Attire: Extern's own surgical scrubs/ business casual Housing: Not provided. There are several hotels in the area.

Travel: Students are expected to provide their own means to come to the practice. A vehicle is needed as clinic is rural; could arrange rides if necessary.

The Practice Manger is happy to help students locate housing/hotels and also arrange rides.

CONTACT:

Tanis Ylimaki

Practice Manager

(807) 939-2616

Tanis.Ylimaki@crossroadsvetclinic.ca

Dairy Production Medicine

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| ROTATION CODE: | DAI |
| INSTRUCTOR: | Dr. C. Luby |
| DURATION: | 2 weeks |
| TIMING: | 19 – 20 January 15, 2024 – January 28, 2024 |
| STUDENT NUMBERS: | 4 students per rotation |
| PREREQUISITES: | Students must be scheduled in the Ruminant Field Service during their clinical year of study and be enrolled in the third year elective VLAC 453 – Dairy Industry. |
| DESCRIPTION: | <p>The objective of this rotation is to provide training to students considering a career in dairy production medicine. As such, the focus will be on dairy management.</p> <p>The rotation will be a combination of seminars and practical sessions. Students will attend the Western Canadian Association of Bovine Practitioners Annual Conference. Practical sessions will be held both at the U of S Rayner Dairy Research and Teaching Facility as well as at clients of the WCVM VMC. Material covered will include animal welfare, biosecurity, responsible use of therapeutic agents, troubleshooting rations, calf management, and reproductive management. All material will be considered in the context of the Dairy Farmers of Canada ProAction initiative.</p> |

Deep South Animal Clinic – Ogema, SK

ROTATION CODE: DEEP, DEEP1

INSTRUCTORS: Dr. A. Acton and Dr. J. Paulson

DURATION: 2 weeks

TIMING: Pre-draft application procedure
S1-2, 29-30, or 31-32

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: The Deep South Animal Clinic (DSAC) is a rural mixed animal practice in South Central Saskatchewan located 1 hours south of Regina. Our clinic has a strong cow-calf caseload and we service a large number of commercial and purebred producers. During the chosen weeks of your rotation you can expect to accompany one of our veterinarians throughout their day – this includes both leading and assisting on cases. Students are expected to join the on call veterinarians throughout the rotation as many bovine obstetric cases occur outside of business hours.

Primary Objectives are to gain more confidence and skills in the following areas:

- Bovine obstetrical skills & post-partum care (malpresentations, caesareans, uterine prolapses, vaginal prolapses)
- Bovine neonatal care (broken legs, catheterization, blood collections, tube feeding)
- Semen testing
- All aspects of mixed animal practice (small animal surgery, small animal appointments, etc).

Housing:

- Will be provided at one of the veterinarian's residents. Students will have access to laundry and kitchen facilities. You will be responsible for your own meals, but may be provided some meals with the staff member you are staying with.

Application: Please submit a letter of interest and a CV to wcvm.curriculum@usask.ca addressed to Dr. Acton.

CONTACT: **Heather**
Deep South Animal Clinic Ltd.
(306) 459-2422
dsadmin@sasktel.net

Dentistry

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| ROTATION CODE: | DEN |
| INSTRUCTOR: | Dr. C. Lowe |
| DURATION: | 2 weeks |
| TIMING: | 3 – 4 September 11, 2023 – September 24, 2023 7 – 8 October 10, 2023 – October 22, 2023 11 – 12 November 6, 2023 – November 19, 2023 15 – 16 December 4, 2023 – December 17, 2023 19 – 20 January 15, 2024 – January 28, 2024 21 – 22 January 29, 2024 – February 11, 2024 25 – 26 February 27, 2024 - March 10, 2024 31 – 32 April 8, 2024 – April 21, 2024 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 3 students per rotation |
| DESCRIPTION: | <p>Students will be involved with all clinical dentistry cases seen during the two-week rotation, with one student being assigned as primary student on each case.</p> <p>The objectives of this elective are to provide the student with an opportunity to enhance their clinical knowledge in dentistry and to develop their skills in performing oral examinations, communicating with clients, oral imaging and interpretation and dental surgical skills.</p> <p>Evaluations of students will be based on case management, preparation, knowledge, surgical skills, attitude, participation, and rounds topics.</p> <p><u>Agenda:</u> Morning rounds to discuss cases will be held daily cage side (the student is expected to attend the Friday morning seminars between 8-9am). Afternoon case/ radiograph rounds will occur during clinic (consultation and surgery days) days. Each student will perform a full oral hygiene procedure on a dog or cat during this rotation. Laboratory sessions will encompass some if not all of the following procedures; extractions, periodontal flaps, dental sealants, uncomplicated restorations, tape muzzles and partial pulpotomies. This is variable and is subject to change at the instructors' discretion.</p> |

Dermatology

ROTATION CODE: DERMINT

INSTRUCTOR: Dr. A. Foster

DURATION: 2 weeks

TIMING: 3 – 4 September 11, 2023 – September 24, 2023
7 – 8 October 10, 2023 – October 22, 2023
11 – 12 November 6, 2023 – November 19, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 – January 14, 2024
21 – 22 January 29, 2024 – February 11, 2024
25 – 26 February 27, 2024 - March 10, 2024
29 – 30 March 25, 2024 – April 7, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 3 students per rotation

DESCRIPTION: This is a clinical dermatology rotation where referral, small animal and equine dermatology cases are examined by each of the students on the rotation. Clinical rounds may be held daily with discussion of cases seen during the day.

Evaluations will be based on performance, clinical duties and participation in rounds.

After hours and weekend duty is not anticipated, but will be required if needed.

Diagnostic Pathology (Necropsy & Clinical Pathology)

ROTATION CODE: LD * Mandatory rotation for all students.

INSTRUCTORS: Necropsy: Drs. E. Aburto, A. Allen, A. Al-Dissi, S. Detmer, H. Philibert, E. Simko, B. Wobeser and others (to be determined)

Clinical Pathology: Drs. H. Burgess, R. Dickinson, M. Kerr, M. Meachem, L. Munasinghe and others (to be determined)

DURATION: 2 weeks

TIMING: 1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 – January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 – March 10, 2024

*A student may take this rotation only once.

STUDENT NUMBERS: Maximum of 7 students per rotation
Necropsy (1 week) followed by Clinical Pathology (1 week)

DESCRIPTION: Necropsy
The necropsy portion of the rotation is devoted to the post-mortem examinations of a range of animal species submitted through Prairie Diagnostic Services, Inc. which are done under the supervision of a faculty member or senior resident. Students gain experience in necropsy technique, acting on necropsy findings in order to make diagnoses, maintaining personal safety and biosecurity, and writing and presenting concise reports of the findings. Emphasis is placed on the recognition and interpretation of gross lesions, consideration of differential diagnoses, and how to best utilize services offered by a diagnostic laboratory to arrive at a diagnosis. Portions of each day will be used to discuss cases, review selected topics in veterinary pathology, or attend departmental seminars.

Clinical Pathology
The clinical pathology portion of the rotation consists of structured sessions and independent study. Students will evaluate current cases in hematology, chemistry and cytology and discuss laboratory data from cases provided in hand-out or electronic format. Bone marrow indications, collection methods and basis of interpretation will be discussed. Students are expected to integrate laboratory and necropsy data as part of the medical and surgical problem-solving experience.

All students are required to attend the Anatomic Pathology seminars at 4:30 p.m. on days that they are conducted and students may be asked to discuss relevant laboratory data. Also, students are required to attend other seminars presented in the department of veterinary pathology.

Ecosystem Health

INSTRUCTORS: Dr. T. Epp tasha.epp@usask.ca

DURATION: 2 weeks

TIMING: 3-4 September 11 to 24, 2023

STUDENT NUMBERS: Max: 4 students from WCVM

DESCRIPTION: The Ecosystem Health rotation is a unique two-week course for senior veterinary students offered jointly by Canada's veterinary colleges. The goals of this course are to enable final veterinary students to understand the history and concepts of ecosystem health, Ecohealth/One Health and sustainable development, to investigate and propose solutions to animal and human disease problems that have ecosystem implications, and to describe, using specific examples, the relationship between animal and human health issues, and the ecosystem in which they are situated. From this course, students should also expect to expand their capability to approach complex problems.

RATIONALE: Traditional contributions of veterinary medicine have been directed toward animal health at the individual or population level; however, veterinary medicine has much to contribute to the resolution of important problems at the community and/or ecosystem levels. The Ecosystem Health course provides an intensive exploration of selected problems characterized by interactions between animal, human and environmental variables, using them to demonstrate how the veterinary profession can contribute to the assessment and solution of these problems. The course contributes to expanding the career options for veterinarians and helps assure the societal relevance of veterinary medicine into the future.

STRATEGY: The Ecosystem Health course emphasizes field-based investigations where solutions may include ethical, social, cultural, economic and legal considerations. The Ontario Veterinary College will host this year's rotation, exploring interesting ecohealth case studies in several locations in Ontario (still under development). Case studies may include agroecosystems, watersheds, and/or wildlife/domestic animal disease occurrences. The content of this course will emphasize basic skill sets necessary for individuals investigating multilevel, complex health issues that involve the environment, people and animals.

EXPENSES: Students will be charged a course fee of \$150 per student to help defray some of the extra costs associated with this rotation – travel, accommodations, and food while in Ontario. Students are responsible for arranging and covering the costs associated with transportation to the rotation, timing such that the student is ready to participate in the start of the OVC led course and remain until the end of the course. Students must be ready to stay at whatever accommodations that all other students (AVC, UCVM, OVC and FMV) will be at during the time in Ontario.

EVALUATION: Based on attendance, participation in lectures, discussions and field activities, cooperation and interpersonal skills, knowledge and investigation of issues, professional conduct, diagnostic "problem solving" ability in the context of environmental issues. Students will be graded using the WCVM grading scheme – focusing on the following: Communication, Collaboration, and Scholarship.

Elder's Equine - Manitoba

ROTATION CODE: EEM, EEM17

INSTRUCTORS: Dr. Chris Bell

DURATION: 2 weeks

PREREQUISITE: Completion of one Equine Field Service rotation before taking the rotation.

TIMING: S17 – 18 August 14, 2023 – August 27, 2023
1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: **This rotation is best suited for a student with a keen interest in equine practice and that has a great deal of comfort working around horses.**

Elders Equine is a full service equine private practice including special interest in surgery, lameness and sports medicine. Our practice consists of both ambulatory and hospital case load. We have 6 veterinarians on staff including boarded surgeon, boarded equine practice specialist and anesthesiologist.

Our referral caseload catchment area includes southern Saskatchewan, all of Manitoba and northern Ontario. Our primary general caseload includes lameness, sports medicine, routine teeth floating, vaccinations and herd health assessments as well as emergency on call care. We are equipped with digital radiography, ultrasound and endoscopy as well as in house lab including blood gas monitoring and serum amyloid A analysis. Our regenerative medicine caseload includes platelet rich plasma therapy, stem cell therapy, shockwave therapy and IRAP therapy as well as comprehensive rehabilitation programs including multimodality rehab techniques. We have a board certified equine surgeon and perform both standing procedures and general anesthesia procedures with our staff anesthesiologist. We are the only equine specific practice with a hospital and only equine referral surgical practice in the Province of Manitoba.

Description of the rotation:

General equine practice with additional equine surgical, sports medicine, internal medicine and thoroughbred race-track caseload. Student will gain experience within clinic and ambulatory cases as well as exposure to the thorough-bred racetrack clinical environment (April thru early Sept). The student will be exposed to the use of digital x-ray, ultrasound, endoscopy, shockwave therapy, advanced re-generative medicine (PRP, Stem cells, IRAP). This rotation is best suited for a student with a keen interest in equine practice. The student may also be exposed to routine shedrow procedures such as endoscopy, digital x-rays, ultrasound of tendon injuries as well as race day and

pre-race medication with emphasis on ethical use of medications in racing. The student will also be exposed to all general practice caseload and surgical cases that present to the practice including after hours emergencies.

Housing and Transportation: Must be provided by student

Travel: Must be provided by the student

CONTACT:

Dr. Chris Bell BSc, DVM, MVetSc

Diplomate of the American College of Veterinary Surgeons

Equine Surgery, Lameness and Sports Medicine

Senior Surgeon and Practice Owner

Elders Equine Veterinary Service

Winnipeg, Manitoba, Canada

204-864-2888

Chris.bell@eldersequineclinic.com

Emergency & Critical Care

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| ROTATION CODE: | ECC, ECCS17 |
| INSTRUCTORS: | Dr. Jen Loewen, DVM, DACVECC Interns who are on rotation at that time ER doctors who are working at this time |
| DURATION: | 2 weeks |
| TIMING: | S1 – 2 April 24, 2023 - May 7, 2023 S17 – 18 August 14, 2023 - August 27, 2023 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 4-10 students per rotation |
| DESCRIPTION: | This course will contain both clinic work as well as didactic learning. Lectures will focus on emergency topics or procedures or discussing cases in hospital. There may be the opportunity to perform the in-person CPR RECOVER course if there is enough student interest (note: cost associated with course is students' responsibility). The students will be responsible for the day-to-day assessment and treatment of patients admitted to enable the student to apply the principles of history taking, client communication, clinical examination, creating a list of differential diagnoses and diagnostic plan, therapy and disease prevention in a supervised clinical setting. This will also allow the student to become familiar with the costs associated with treatment and hospitalization. Students should expect to work during the daytime and evenings on weekdays and weekends with the possibility for overnight responsibilities. The specific timetable will be developed and in place once enrolment is known. |

Objectives:

- 1) Perform proper general history, disease specific history and SAMPLE history for patients arriving to the emergency service
- 2) Perform proper primary and secondary survey's on emergency patients and triage appropriately
- 3) Develop a complete prioritized problem list and differential list (using a DAMNITV scheme) for assigned patients
- 4) Recommend a diagnostic and/or treatment plan based on the patient information (problem list and differential list)
- 5) Discuss the pathophysiology behind the diseases presented in the emergency and critically ill setting.
- 6) Perform emergency techniques such as A/TFAST scan and some procedures listed below

Specific goals to complete (discussion base with possibility of performing):

- Techniques for cardiopulmonary resuscitation (CPR)
- Utilization of the ultrasound in the emergency room
- Thoracocentesis (diagnostic and therapeutic)
- Abdominocentesis (diagnostic and therapeutic)
- Approach to chest tube placement
- Approach to pericardiocentesis
- Fluid therapy in emergency and critical care
 - ♦ Crystalloids ♦ Synthetic colloids ♦ Natural colloids
- Blood transfusions
- Pain control
- Nutritional support with emphasis on tube placement techniques
- Practical management of critical patients (ie. application of constant rate infusions, oxygen delivery, etc.)

There may be additional fees associated with this rotation.

Equine Dentistry

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| ROTATION CODE: | EQD |
| INSTRUCTOR: | Dr. Michelle Husulak |
| DURATION: | 2 weeks |
| TIMING: | 21 – 22 January 29, 2024 – February 11, 2024 |
| STUDENT NUMBERS: | 4-8 students per rotation |
| PREREQUISITE: | Students must have participated in the Equine Health Management and Clinical Techniques elective (VLAC 495) in year 3 of the DVM program and be scheduled in Large Animal Surgery. |
| DESCRIPTION: | <p>This rotation will combine didactic, laboratory and clinical learning. Lectures will focus on oral and dental anatomy, physiology and pathology, routine and advanced dental procedures as well as advanced imaging and other diagnostic modalities. Laboratory sessions will utilize cadaver heads and simulations for all students to gain basic competence with skills in equine dentistry. Students will then progress to working on live horses in the clinical setting. Both WCVN teaching horses and client owned horses will be included, and students can expect to gain considerable experience with routine dental examinations and procedures, including imaging in the live animal. This rotation involves an overnight trip in the 2nd week to Lumsden, SK, to perform dentistry on horses at a riding camp. Students may be asked to drive themselves to farms in the area or to Lumsden.</p> |

Equine Lameness

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| ROTATION CODE: | ELQ |
| INSTRUCTORS: | Dr. J. Bracamonte |
| DURATION: | 2 weeks |
| TIMING: | 3 – 4 September 11, 2023 – September 24, 2023 |
| STUDENT NUMBERS: | 6 students per rotation |
| COREQUISITE: | Students must be scheduled in Large Animal Surgery. A preference will be given to students who have taken the VLAC 494 Equine Surgery Elective. |
| DESCRIPTIVE: | <p>This 2-week elective rotation will be offered at the WCVN, using the Equine Performance Center and different assigned areas for specific hands-on laboratories. This rotation is focused on lameness in the equine athlete. The goal of the Equine Lameness Rotation is to provide WCVN Students knowledge and techniques in the continually evolving area of equine lameness and to better prepare students to understand and manage lameness conditions in horses. This rotation aims to help prepare students to diagnose commonly causing lameness that are frequently encountered in a sports medicine private practice. The rotation will consist of a series of half day education comprising of lectures, daily presentations (clinical cases, videos, anatomy review, diagnostic imaging focused on a certain area of the limb) followed by hands-on labs to complete the day. The lectures and presentations (in addition to labs) will be given in the first week to provide students the knowledge to work up lameness on their own. This rotation is heavily focused on providing a hands-on experience and therefore, hands-on will be offered since Day 1 of the rotation. The hands-on portion of the Equine Lameness rotation will provide students with invaluable experience on being able to fully work up a lameness cases (teaching horses and client-owned horses) at their own pace; to perform appropriate diagnostic local anesthesia (nerve/intra-articular blocks), diagnostic imaging techniques and gain experience interpreting imaging areas discussed in lectures and throughout the clinical case presentations.</p> <p>The objective of this rotation is to provide a complete and thorough overview of Equine Lameness which will include how to perform a lameness examination, biomechanics of lameness, ridden lameness, behaviour assessments, local anesthesia, diagnostic imaging techniques commonly used in equine lameness, understanding radiographic projections and views, lameness associated to the foot, fetlock, metacarpus, carpus, hock and stifle. In addition, Prepurchase Exams will be covered in this rotation to further help Students with this common practice that is performed on equine athletes. Moreover, Students will be exposed to a wide variety of treatment types, including conventional, regenerative, and alternative treatment options.</p> <p>No emergency or weekend duty will be expected of the students. In addition, if individual patients require ongoing care in-hospital (or in-pen), it is expected that the students provide this care with clinician supervision.</p> |

Equine Theriogenology

ROTATION CODE: SUTH, SUTH1, SUTH2, SUTH3, SUTH4, SUTH5, SUTH6

INSTRUCTORS: Drs. C. Card and S. Manning

DURATION: 2 weeks

TIMING: S1-S2 Apr 24-May 7
S3-S4 May 8-May 22
S5-S6 May 23-Jun 4
S7-S8 Jun 5 – Jun 8
S9-S10 Jun 19-Jul 2
S17-S18 Aug 4 – Aug 27
31-32 Apr 8 – Apr 21

* A student may repeat this rotation

STUDENT NUMBERS: 4 students per rotation

DESCRIPTION: Students will be involved in all aspects of management of Veterinary Medical Centre equine theriogenology patients including mares, foals and stallions. This is a busy time of year for the equine theriogenology service where there will be a broad range of breeding and some foaling activities. Students will also have access to teaching horses to gain more practical experience and should be able to gain familiarity and proficiency with ultrasonography of the reproductive tract. This rotation provides excellent exposure to the types of cases commonly presented for primary care such as breeding management and semen collection along with cases referred to the VMC for management. Rounds or educational activities are held each day with faculty, residents and interns. Students may have some exposure to other species. Students will be busy during the day and will be scheduled to equally share in after-hours night and weekend duty including reproductive management and occasional monitoring for foaling.

Field Service - Equine

ROTATION CODE: FSEQ, FSEQ1, FSEQ2, FSEQ3

INSTRUCTORS: Dr. M. Husulak

DURATION: 2 weeks

TIMING:

- S1 – 2 April 24, 2023 - May 7, 2023
- S3 – 4 May 8, 2023 - May 22, 2023
- S5 – 6 May 23, 2023 - June 4, 2023
- 1 – 2 August 28, 2023 – September 10, 2023
- 3 – 4 September 11, 2023 – September 24, 2023
- 5 – 6 September 25, 2023 – October 9, 2023
- 7 – 8 October 10, 2023 – October 22, 2023
- 9 – 10 October 23, 2023 – November 5, 2023
- 11 – 12 November 6, 2023 – November 19, 2023
- 13 – 14 November 20, 2023 – December 3, 2023
- 15 – 16 December 4, 2023 – December 17, 2023
- 17 – 18 January 2, 2024 – January 14, 2024
- 19 – 20 January 15, 2024 – January 28, 2024
- 23 – 24 February 12, 2024 – February 23 (6PM), 2024
- 25 – 26 February 27, 2024 - March 10, 2024
- 27 – 28 March 11, 2024 – March 24, 2024
- 29 – 30 March 25, 2024 – April 7, 2024
- 31 – 32 April 8, 2024 – April 21, 2024

* Students may repeat this rotation.

STUDENT NUMBERS: 1 - 4 students per rotation

DESCRIPTION: General Equine Practice. Emphasis will vary depending on season but will include English and western performance horses, pleasure horses, broodmare work, thoroughbred racetrack work and preventative medicine and herd health. Student participation in out of hours work and rounds is mandatory. There will be on-call responsibilities, which are arranged by the students on the rotation.

If you live out of town and it will take more than 15 minutes to arrive at the WCVH, the student is expected to stay overnight in the Hospital Residence.

Field Service - Ruminant

ROTATION CODE: FS, FS1, FS2

INSTRUCTORS: Drs. N. Erickson, J. Campbell, F. Schumann, K. Gabadage, E. Snyder, C. Luby

DURATION: 2 weeks

TIMING: S1 – 2 April 24, 2023 - May 7, 2023
S3 – 4 May 8, 2023 - May 22, 2023
1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023–September 24, 2023
5 – 6 September 25, 2023–October 9, 2023
7 – 8 October 10, 2023–October 22, 2023
13 – 14 November 20, 2023–December 3, 2023
15 – 16 December 4, 2023–December 17, 2023
17 – 18 January 2, 2024–January 14, 2024
19 – 20 January 15, 2024–January 28, 2024
21 – 22 January 29, 2024–February 11, 2024
23 – 24 February 12, 2024–February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* Students may repeat this rotation.

STUDENT NUMBERS: 2 students per rotation, depending on the time of year.

DESCRIPTION: This course is designed to give students an opportunity to learn to make rational decisions relative to the management and prevention of diseases in ruminants. Students will also learn to handle restrain and examine food animals under field conditions. The clinical caseload is seasonal which allows for repetition of the same or similar services which allows for mastery of the techniques used. This course will assist students to develop observational and communicative skills to collect information and to understand different aspects of the beef and dairy industries.

Fort Garry Veterinary Hospital

ROTATION CODE: FGVH1, FGVH2, FGVH3

INSTRUCTORS: Dr. Morgan Wawryk

DURATION: 2 weeks

TIMING: S1-2 April 24, 2023 to May 7
S3-4 May 8, 2023 to May 22, 2023
S5-6 May 23, 2023 to June 4, 2023

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Team Medicine, General Small Animal Practice

Students will run appointments - take a history, perform a full physical exam, nutrition plans, treatment plans with Lead DVM overseeing. Students will see 2-3 wellness appointments and 1-2 day admissions per day.

The rotation dates listed are our busiest times of the year where we see a lot of wellness appointments with heartworm testing as well during the spring months. Student Appointment types will range from puppy/kitten wellness appointments, eye, ear, derm and vomiting and diarrhea cases. They will have the opportunity to monitor anesthesia during surgery and dentals, perform nerve blocks and dental scalings, perform cat spays/ cat neuters and perform lab work and assist the RVTs with appointments.

Work hours are: M-F 9-5 Saturdays 10-6 (@ Southglen Vet or Bridgwater Vet) Off Sundays. We are not open on Stat Holidays.

Accommodations/Housing Options nearby:

- Holiday Inn Winnipeg South
- Best Western Plus Pembina Inn & Suites
- Canada Inns Destination Centre Fort Garry

Travel: A car would be the best option to get around the city in general. Weather conditions will delay travel.

Work Attire: Our support team wear scrubs, our Veterinarians will wear regular business attire under their white coat, but will often wear a black scrub top and regular pants (no jeans please) when seeing appointments.

CONTACT: **Tricia (Trish) Lobaton R.V.T.**
Hospital Administrator
tricia.lobaton@vetstrategy.com
(204) 452-9010

Gibsons Veterinary Hospital

ROTATION CODE: GIB

INSTRUCTORS: Drs. H. Frimer and J. Davicioni

DURATION: 2 weeks

TIMING: Pre-draft application procedure
Dates to be determined

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Come join us at Gibsons Veterinary Hospital in beautiful Gibsons, BC. We are a broadly focused general small animal practice. Being across from the water from the specialty centres of Vancouver necessitates us dealing with emergency care on a daily basis.

Join our fantastic team members who never stop learning. We have all the regular digital bells and whistles (DR digital x ray and digital dental) and perform lots of routine, dental, orthopedic surgeries, ultrasound, and more. We share on call with other clinics, so you are guaranteed the opportunity to sleep some nights... Integrate your knowledge, learn and practice your skills. Get a taste of general practice routine and emergency care daily.

Shadow our vets who each have 13 years' experience and review case management. Help us with surgery and learn how to practice a fast pace in calmness. Observe and partake in efficient friendly communication on a tight timeline.

Application: Please submit a short cover letter and a CV to wcv.m.curriculum@usask.ca A short list of applicants will be contacted for zoom interviews. Thanks for your interest.

CONTACT: gibsonsvets@gmail.com
604-886-4161

Government of NWT – Wildlife and Conservation Medicine

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|------------------|---|
| ROTATION CODE: | NWT |
| INSTRUCTORS: | Dr. Naima Jutha |
| DURATION: | 4 weeks |
| TIMING: | Pre-draft application procedure Weeks 25 to 32 - March or April 2024 |
| STUDENT NUMBERS: | 1-2 students per rotation |
| DESCRIPTION: | <p>The objectives of this rotation are to expose fourth year veterinary students to the responsibilities held and techniques applied in wildlife or conservation medicine in the context of a government/agency-based wildlife health program, and to discuss and apply major topics related to wildlife health and more broadly, northern One Health. The rotation will comprise of the following key topics or components, by ways depending on projects underway at the time of the rotation: diseases of northern wildlife; veterinary roles in wildlife health surveillance and management; techniques in the capture, immobilization, and handling of wildlife; welfare and sustainable use of free-ranging wildlife in research and monitoring; field and lab-based mortality investigations and necropsy techniques; and community-based wildlife health surveillance approaches.</p> <p>This rotation will offer a mixture of wild animal necropsy, directed readings, participation in the NWT Wildlife Care Committee review process, and laboratory- and field-based wildlife handling, health monitoring, and health response work, as available. Students will be expected to complete a small, research-based or case-based project (presentation, written case report, poster, etc.) as part of this rotation.</p> <p><u>Housing:</u> not guaranteed to be provided.</p> <p><u>Application:</u> Please submit a letter of interest and a CV to wcvm.curriculum@usask.ca addressed to Dr. Jutha.</p> |
| CONTACT: | <p>Dr. Naima Jutha Naima_Jutha@gov.nt.ca C: 867-445-3536 Wildlife Veterinarian, Chief Veterinary Officer (NWT) Wildlife & Fish Division Department of Environment & Natural Resources Government of the Northwest Territories Yellowknife, NT www.enr.gov.nt.ca</p> |

Kennedy Heights Animal and Bird Hospital – Surrey, BC

ROTATION CODE: KEN

INSTRUCTORS:

DURATION: 2 weeks

TIMING: 5-6 September 25, 2023 – October 9, 2023
15 – 16 December 4, 2023 – December 17, 2023

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Kennedy Heights Animal and Bird Hospital is a general practice located in Surrey, BC. Students will be assisting doctors during routine appointments, dentals and surgeries of companion animals and will gain vast experience with exotics. Our hospital is 50% cats and dogs, and 50% exotics.

Work Hours: The hours of operations as of January 2023 are M,W,F 8:30 am to 5:30 pm, T/Th from 8:30 am to 7:30 pm and Saturdays from 9am to 4:30 pm. Students are not expected to stay past 5:30 pm or work on a Saturday unless they would like to do so.

Attire: Extern's own surgical scrubs/ business casual Housing: Not provided. There are several hotels in the area.

Travel: Students are expected to provide their own means to travel to the practice.

CONTACT:

Shayla Mejia Rojas

shaylamanager@kennedyheightsanimalhosp.ca

Laboratory Animal Medicine

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| ROTATION CODE: | LAB, LAB1, LAB2, LAB3 |
| INSTRUCTORS: | Drs. K. Swekla (coordinator), B. Gray, M. Timonin |
| DURATION: | 2 weeks |
| TIMING: | S5 – 6 May 23, 2023- June 4, 2023 S7 – 8 June 5, 2023 - June 18, 2023 S9 – 10 June 19, 2023 - July 2, 2023 1 – 2 August 28, 2023 – September 10, 2023 3 – 4 September 11, 2023 – September 24, 2023 5 – 6 September 25, 2023 – October 9, 2023 7 – 8 October 10, 2023 – October 22, 2023 11 – 12 November 6, 2023 – November 19, 2023 13 – 14 November 20, 2023 – December 3, 2023 15 – 16 December 4, 2023 – December 17, 2023 19 – 20 January 15, 2024 – January 28, 2024 21 – 22 January 29, 2024 – February 11, 2024 23 – 24 February 12, 2024 – February 23 (6PM), 2024 25 – 26 February 27, 2024 - March 10, 2024 27 – 28 March 11, 2024 – March 24, 2024 29 – 30 March 25, 2024 – April 7, 2024 31 – 32 April 8, 2024 – April 21, 2024 |

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: This rotation provides an opportunity to gain experience, skills, and knowledge in laboratory animal medicine. Students will develop the following skills and experience:

- Expand clinical skills through participation in clinical rounds, journal club, and presentation of cases to senior staff
- Broaden knowledge of basic husbandry, biology, and dis-eases of vertebrate species used in teaching, research, and testing at the University of Saskatchewan, which are varia-ble but can include swine, sheep, goats, cattle, horses, dogs, cats, rodents, rabbits, various avian and aquatic species in agricultural, biomedical, behavioural, and wildlife settings.
- Become familiar with basic pathology of common lab ani-mal diseases
- Observe and participate in animal surgeries and anesthesia
- Become familiar with rodent sentinel health programs, rodent necropsy, quarantine, rodent shipping and receiving, vendor health surveillance and facility quality assurance measurements
- Learn basic principles of managing large laboratory animal colonies
- Become familiar with the regulations involved for animals used in research, testing, and teaching through discussions with veterinarians and attendance at Usask Animal Care Committee meetings
- Learn basic principles of developing Humane Intervention Points and Experimental Endpoints
- Participate in animal use protocol evaluation and gain exposure to research techniques pertaining to animal use

- Become familiar with Canadian Council of Animal Care standards, animal transport, import/export, and other applicable regulations and guidelines.
- Learn the fundamental principles of biohazard and occupational safety
- Become familiar with resources related to laboratory animal medicine including publications, websites, organizations, and continuing education

Students will be expected to participate in weekly rounds, seminar series, and journal club rotations. Specific didactic aspects include:

- Weekly veterinary meetings
- Present one journal club article
- Provide a presentation on a laboratory animal research topic of their choice
- Assist with training seminars offered by UACC Clinical Veterinarians
- Complete online training module, including the “Basic Module” and additional online training in at least one species of interest.

Large Animal Imaging

ROTATION CODE: LMI

INSTRUCTORS:

DURATION: 2 weeks

TIMING: 9 – 10 October 23, 2023 – November 5, 2023

STUDENT NUMBERS: 8 students per rotation

COREQUISITE: Students must be scheduled in Large Animal Surgery during their clinical year.

DESCRIPTION: Large Animal Imaging rotation is expected to offer up to 3 days spent on report ultrasound of the bovine reproductive tract, and 1-2 days of equine reproductive imaging. The remainder of the time will be spent with Equine Radiographic positioning and image acquisition, interpretation of equine radiographs and advanced imaging modalities. There may be opportunities for tendon U/S and abdomen/thorax US.

Large Animal Medicine

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| ROTATION CODE: | LAM |
| INSTRUCTORS: | Drs. Montgomery, Uehlinger, 3rd clinician TBD; coordination: Dr. Uehlinger |
| DURATION: | 2 weeks |
| TIMING: | S3-4 May 8, 2023 - May 22, 2023 1 – 2 August 28, 2023 – September 10, 2023 3 – 4 September 11, 2023 – September 24, 2023 5 – 6 September 25, 2023 – October 9, 2023 7 – 8 October 10, 2023 – October 22, 2023 9 – 10 October 23, 2023 – November 5, 2023 11 – 12 November 6, 2023 – November 19, 2023 13 – 14 November 20, 2023 – December 3, 2023 15 – 16 December 4, 2023 – December 17, 2023 17 – 18 January 2, 2024 – January 14, 2024 19 – 20 January 15, 2024 – January 28, 2024 21 – 22 January 29, 2024 – February 11, 2024 23 – 24 February 12, 2024 – February 23 (6PM), 2024 25 – 26 February 27, 2024 - March 10, 2024 27 – 28 March 11, 2024 – March 24, 2024 29 – 30 March 25, 2024 – April 7, 2024 31 – 32 April 8, 2024 – April 21, 2024 |
| STUDENT NUMBERS: | 2-6 students per rotation |
| DESCRIPTION: | <p>To enable the student to apply the principles of history taking, client communication, clinical examination, creating a list of differential diagnoses and diagnostic plan, therapy and disease prevention in a supervised clinical setting. To become familiar with the costs associated with treatment and hospitalization.</p> <p>To improve the students' skills and confidence in handling and restraining large animals and to develop the technical skills required to obtain samples, perform diagnostic procedures, and to treat horses and food animals.</p> <p>To allow the students to be responsible for the day-to-day assessment and treatment of patients admitted to the Large Animal Clinic during regular hours and after hours. Through this experience the student will learn about the progression and prognosis of a disease and how that disease responds to therapy.</p> <p>To meet these objectives, the students must have a complete understanding of the cases, including the basis for each treatment and management procedure that is employed. This means not only examining the cases carefully but also consulting notes, textbooks, the literature, and relevant veterinary databases.</p> <p>During the regular academic year, group discussions are held daily in the morning on cases admitted to the Large Animal Clinic, or on topics of interest. In addition, small group teaching is held to discuss the broader concepts of the economic impact of certain diseases, and disease control and prevention. During the summer rotations, formal small group discussions are not scheduled.</p> |

Students are expected to support the after-hours and weekend large animal in-house services (internal medicine, surgery, theriogenology) incl. staying in the residence overnight on a rotational basis.

The evaluation of student performance will be based upon individual performance in the clinic, and in rounds. During the regular academic year, a presentation to the large animal medicine group will also contribute to the overall evaluation. This is not the case during the summer rotations.

* Students may repeat this rotation. We would not recommend (except in exceptional circumstances) that a student take more than four weeks of this rotation.

Large Animal Surgery

ROTATION CODE: LAS, LAS1, LAS2, LAS3

INSTRUCTORS: J. Bracamonte, J. Carmalt, K. Thomas and D. Wilson

DURATION: 2 weeks

S1-2, S3-4, S5-6

TIMING: 1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 – January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 3 - 6 students per rotation

DESCRIPTION: All large animal surgery rotations will cover the basic essentials of large animal surgery. will have access to the Veterinary Medical Centre patients. As well, supplemental material will be provided in the form of rounds and small group seminars to round out any deficiencies resulting from the seasonality of the caseload. Horse limbs will be available for dissection.

The fall caseload is predominantly equine with a good cross-section of case material being presented. Case material is lightest in mid-winter but adequate for teaching. One can expect a rising equine caseload during the months of March and April. Small group teaching rounds, cadavers and donation surgeries help strengthen the rotation. This rotation is designed to give the students a hands-on experience when cases allow.

Evaluation will be based on participation, performance, interest and comprehension of the material.

* Students may repeat this rotation.

Livestock and Forage Centre of Excellence Calving Rotation

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| ROTATION CODE: | LFCE |
| INSTRUCTORS: | Dr. C. Palmer, Large Animal Clinical Sciences |
| DURATION: | 2 week rotations |
| TIMING: | 29 – 30 March 25, 2024 – April 7, 2024 31 – 32 April 8, 2024 – April 21, 2024 |
| STUDENT NUMBERS: | 2 - 6 students per rotation |
| COREQUISITE: | Students must be scheduled in Large Animal Medicine. |
| DESCRIPTION: | <p>This rotation takes place at the Livestock and Forage Centre of Excellence, Forage Cow-Calf Research and Teaching Unit located south of Clavet. The heifer calving group consists of approximately 100 heifers bred either to a single fixed-time artificial insemination or bred naturally over one or two estrous cycles. The cows, numbering over 300, are usually mated later, therefore, their breeding season begins approximately two weeks later. The first rotation will experience mostly heifers calving which will transition into the main cowherd calving for the second rotation. By the second to third weeks of April there can be 25 to 30 calves born per day. Dystocias are rare. Students may be involved with 1 to 4 calving's per rotation. Students spend most of their time observing calving's, making sure that mothering is occurring, ensuring that calves have received adequate colostrum on time, tagging and weighing calves and other learning activities. Inclement weather can make for some busy days mothering up cows and calves. Students will work with WCVN veterinarians and LFCE staff in monitoring the herd, and providing obstetrical, medical, and surgical treatment when needed. Particular attention will need to be paid to first parity animals to ensure that mothering has occurred properly. By the end of this rotation students will be expected to be able to recognize the three stages of parturition and to determine when intervention is necessary, and how to intervene. Instruction on obstetrical intervention and fetotomy will be given at the beginning of the rotation using simulation models. The rotation will also include daily rounds, wet labs, and opportunities for engagement with LFCE researchers, grad students and staff. Students taking this rotation must be accepting of flexible scheduling and last-minute changes – when times are slow there will be more rounds and time for discussion; when it is busy there will be long days spent tending to the animals.</p> <p>A positive attitude and a willingness to work as a team is a must for this rotation. At all times be respectful to all of those you work with, and you should expect the same in return. Night and weekend work is to be expected; however, it will be shared on an equitable basis. Students will be paired with an LFCE staff member(s) for after-hours checks. This rotation will be considered eligible for the large animal core requirement.</p> <p>This rotation is intended for those interested in pursuing a career in large or mixed animal practice who lack experience calving cattle.</p> |

* A student may take this rotation only once.

Livestock Veterinary Services – Dairy Rotation

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| ROTATION CODE: | LVS |
| INSTRUCTORS: | Dr. Kelli Pinner |
| DURATION: | 2 weeks |
| TIMING: | pre-draft application procedure |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>Livestock Veterinary Services is a progressive 5 veterinarian and 2 technician ambulatory practice located in Picture Butte, Alberta. Our services are primarily dairy preventative medicine focused and cover a large geographical area. Please visit our website for further information about our practice: www.livestockvet.ca</p> <p>During the rotation students will learn the principles of dairy herd health. The rotation involves a large volume of preventive herd medicine work including reproduction, population medicine, consulting, and record analysis using Dairy Comp 305. Students will also be exposed to individual animal health needs and in most cases bovine GI surgery.</p> <p>PREPARATION:</p> <p>Please review your bovine reproductive physiology, population medicine and any herd monitoring lectures and notes you have received. Dairy Comp 305 is used frequently for herd analysis. An introduction to this program prior to the start of this rotation is an asset but is not required. Bring your own stethoscope and thermometer for physical exams. Please be prepared to complete a full physical exam on a dairy cow (review your notes). Please bring as many pairs of coveralls as possible (minimum of 4). Biosecurity is important to us and our producers.</p> <p>Hours are variable depending on the caseload and may begin before 7am or extend past 6pm on certain days. Students are expected to follow the practitioners' regular hours. Students will be given notice 1 week prior to the start of rotation on where the starting time and location will be for their first day. They will be given notice of the start time and tentative plan for each subsequent day of the rotation from there on. This is done in order to give students the most enriched day possible, as well as to provide for a variety of cases and veterinarians to learn from. On call is not required, but it is recommended that students make themselves available every other weekday night in the event of a bovine emergency. <u>Accommodations</u> can be made available by clinic staff hosting students in their homes. Please contact our practice manager for details on cost, location, etc. at admin@livestockvet.ca</p> <p><u>Application:</u> Please submit your letter of interest and a CV to wcvm.curriculum@usask.ca addressed to Dr. Pinner.</p> |

Manitoba's Chief Veterinary Office – Animal Welfare Winnipeg

ROTATION CODE: MPL

INSTRUCTORS: Drs. Lisa Joachim and Erica Robertson

DURATION: 2 weeks

TIMING: Weeks S5-6 May 23, 2023 - June 4, 2023
* A student may take this rotation only once.

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: The Office of the Chief Veterinarian (CVO) with Manitoba Agriculture operates an Animal Welfare Program to enforce Manitoba's domestic animal welfare legislation, The Animal Care Act. This program is unique in Canada as other provinces enforce animal welfare legislation primarily through privately funded Humane Societies or Societies for the Prevention of Cruelty to Animals (SPCAs). The Animal Care Act has been referred to as one of the strongest animal welfare legislations in the country. The Minister of Agriculture and the CVO currently have approximately 100 animal protection officers (APOs) appointed throughout the province to enforce The Animal Care Act; these APOs are composed of veterinarians, animal health technologists, current/retired provincial government employees, animal control officers, retired/active police officers, and employees of the Winnipeg Humane Society (WHS). This Act protects all domestic species of animals in Manitoba including companion animals, livestock, and non-domestic species. This Act requires veterinarians to report concerns about potential animal abuse or neglect. During the course of this externship students will receive broad exposure to issues related to animal welfare with an emphasis on the role of public service veterinarians in this field. Students should gain an understanding of this role and be able to demonstrate their comprehension via various assignments and a special topic project presentation.

Student Evaluation:

- Final student grade will be determined accordingly: Participation – 60%
- Assignments – 20%
- Special Topics Presentation: 20%

Objectives of Rotation:

- **Regulation and policy:** Understanding the process involved in development of animal welfare related policy and regulation; understanding the relevance and application of these documents in enforcement of animal welfare legislation
- **Understanding The Animal Care Act:** The requirements of caregivers to provide adequate care to their animals, determining compliance under The Animal Care Act, authority of APOs to pursue corrective action to relieve/prevent animal distress, powers of investigation, penalties.
- **Inspections:** Evaluating complaints to determine relevance to The Act, conducting inspections and collecting information to determine compliance under The Act, authority to pursue corrective action to achieve compliance or relieve animal distress.
- **Investigations:** Conducting investigations and collecting evidence to support violation of The Act, formulating court briefs and providing witness testimony to support charges under The Act.
- **Relationships with other animal welfare stakeholders:** Understanding the roles of

other animal welfare/rescue agencies in supporting animal welfare enforcement.

Rotation Description:

- Policy Development – students will be asked to write a balanced policy discussion document regarding an animal welfare issue and present this to a stakeholder panel for review.
- Demonstrate report writing and evidence collection skills, demonstrate an understanding of local animal welfare poli-cy/legislation – students will be asked to submit reports rele-vant to inspections/investigations they participate in. These reports should demonstrate an understanding of inspection techniques, documentation of appropriate information to de-terminine compliance under The Act, and collection of appropri-ate evidence to support allegations of animal abuse/neglect under The Act.
- Tour of CVO office and introduction to employees administer-ing the humane inspection program.
- Attend animal protection officer training and/or continuing education session relevant to animal welfare.
- Forensic pathology, investigation techniques – introduction to veterinary pathologists and staff in veterinary diagnostic lab, tour of veterinary diagnostic lab, instruction in conducting post mortems and collecting/processing samples to determine compliance and support charges under The Act.
- Humane treatment of zoo species – evaluate animal care and husbandry at the Winnipeg zoo in relation to methods of ensuring emotional and physical needs of animals are met to ensure health and well being.
- Humane treatment of livestock animals from farm to slaughter - Attending livestock processing plants, assembly yards, and auction marts to evaluate humane animal handling techniques and protocols
- Inspections
 - Attending humane inspections in Winnipeg with APOs at the Winnipeg Humane Society (WHS)
 - Attending humane inspections in rural Manitoba with APOs
 - Attending inspections specific to licensing of kennels, breeders, and companion animal retail stores
 - Attending inspections specific to livestock auction marts and assembly yards
 - An effort will be made to expose students to common complaints including animal hoarding, starvation, and complaints specific to animals being housed in cold climates. An effort will also be made to involve stu-dents in cases in the event that animals are deemed to be in distress; or if corrective action such as seizures or surrenders are executed to relieve distress.
 - Introduction to other animal welfare stakeholders:
 - Tour of the WHS – understanding the role of animal shelters in supporting the CVO in the event that animals are surrendered to or seized by the CVO. This will include documenting identification of animals admitted to the WHS by the CVO, medical evaluation specific to concerns of animal abuse/neglect, providing ongoing care to animals on behalf of the CVO.

Attire/Equipment Required

Winter weather in Manitoba is similar to Saskatchewan, cold and unpredictable.

Students should bring:

- Clothes to conduct inspections in cold weather outdoors for extended periods that can be sanitized if contaminated including: Coveralls, boots, toques, mitts, scarves, warm coats.
- Inspections may include exposure to animals carrying infectious/zoonotic/contagious disease, so clothes worn should be safe to be cleaned/sanitized appropriately to prevent spread of disease.
- Lab coat and scrubs
- Business casual attire when in the office
- Camera
- Laptop computer
- Cell phone

Assignments:

1. Special Topics Project (30 min. presentation + 15 min. for discussion per student)
 - This assignment is comprised of a Power Point and verbal presentation made to a panel of Animal Welfare professionals. The students may select one of the Animal Welfare Special Topics provided or may develop their own (must be approved).
 - This presentation must include a brief yet thorough review of the issue including the various positions of significant stakeholders, potential resolutions to the issue and a recommend path forward along with the justification for these recommendations.
2. Humane Inspection Report
 - Students will participate in a number of Humane Inspections throughout the first week. Each student is to select one of these inspections and to submit a completed Humane Inspection Report.
3. Animal Welfare Case Management
 - An animal welfare case will be presented to the students. Each student is to write a case summary describing how they would see the case to completion outlining the justification for their decisions using The Animal Care Act and Regulations of Manitoba.
4. Animal Welfare Policy Advisory Note – Tour confirmation pending
 - Students will attend a tour of a livestock handling/processing facility and be involved in a discussion on the facility as it relates to a current animal welfare issue. They will then write a draft Advisory Note regarding this issue for the Minister following a template provided.
 - Students will attend a tour/inspection of a boarding kennel and an animal rescue/shelter – due to budgeting constraints enforcement of existing licensing provisions under The Animal Care Act have been minimal, and the value of the licensing program is being challenged. You will then be asked to write a draft Advisory Note for the Minister regarding this issue. Be prepared to discuss the concerns of stakeholders in regards to licensing under the Act, the pros/cons of the licensing pro-gram, and your recommendations whether to maintain the licensing component of this Act.

Hours of Work

- In general, hours of operation at the CVO office range between 8:00 am to 5:30 pm depending on the activity involved. Our office is located at 545 University Crescent, Winnipeg, Manitoba, R3T 5S6; we are situated on the University of Manitoba Campus at the south end of Winnipeg.
- In the event of an animal emergency such as a seizure or sur-render, students may

be required to work earlier or later than the hours posted above.

Travel and Accommodations

If travel is required during this rotation every effort will be made to accommodate students with existing means of transport available to the CVO.

Students will be responsible for providing their own accommodations and daily transportation to and from our office, for the duration of this rotation.

CONTACT:

Dr. Lisa Joachim

B: (204) 794-1591

lisa.joachim@gov.mb.ca

Dr. Erica Robertson

C: (204) 794-1041

B: (204) 726-6374

Erica.robertson@gov.mb.ca

Manitoba Swine

ROTATION CODE: MSW

INSTRUCTORS: COORDINATOR: Dr. M. Costa
SUPERVISOR: Dr. B. Tully

DURATION: 2 weeks

TIMING: Pre-draft application procedure
11 – 12 November 6, 2023 to November 19, 2023
15 – 16 December 4, 2023 to December 17, 2023
17 – 18 January 2, 2024 to January 14, 2024
25 – 26 February 27, 2024 to March 10, 2024

* A student may take this rotation only once.

PREREQUISITES: Enrollment in the Swine Practice Rotation unless permission from Dr. Harding is granted. Cases will be assessed on a case-by-case basis.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: This rotation is designed to build on the Swine Practice rotation, by providing extensive clinical training by specialist swine veterinarians. This externship is geared for those students who have taken the Swine Practice rotation, or those who have past experience in the swine production or the swine veterinary profession. During the externship students will accompany a number of swine veterinarians on their daily herd health calls, providing exposure to a variety of swine production facilities and activities fundamental to swine veterinary practice.

The daily roster will be scheduled by the externship supervisor, and will involve a rotation amongst specialist swine veterinarians from the following swine businesses:

- Swine Health Professionals – a multi-person swine veterinary practice
Contact: Dr. Blaine Tully
- Maple Leaf Agri-Foods- the pork production division of Maple Leaf Foods
Contact: Dr. Jewel White
- HyLife Ltd – Canada’s largest swine production company
Contact: Dr. Karine Talbot
- The Progressive Group – a pork production management company
Contact: Dr. Tony Nikkel

There will be strong emphasis on swine production, preventative medicine and quality assurance. Daily discussions may include but are not necessarily limited to: disease pathogenesis, expression, diagnostics, treatment and prevention; biosecurity; animal welfare; Canadian Pork Excellence (CPE) training and validation; CFIA export certification; semen production; swine production, nutrition and housing. The rotation may include weekend and evening sessions.

Students will travel to Steinbach Manitoba, about one hour southeast of Winnipeg for this externship. Appropriate lodging must be arranged with assistance of the on-site supervisor. Students are responsible for the costs of travel, accommodation and food, but are encouraged to apply to the American Association of Swine Veterinarians for financial assistance which is available for student externships.

CONTACT: Those interested in selecting this external rotation are strongly recommended to talk to Dr. Costa prior to the draft. Only students with a sincere interest in swine medicine and production should select this elective.

McKnight Veterinary Hospital – Calgary

ROTATION CODE: MCK

INSTRUCTORS: Dr. Vanessa Gruffydd

DURATION: 2 weeks

TIMING: 17 – 18 January 2, 2024 to January 14, 2024
19 – 20 January 15, 2024 to January 28, 2024
23 – 24 February 12, 2024 to February 23 (6PM), 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: McKnight Veterinary Hospital is a primary and urgent care hospital. The aim of our program is to provide comprehensive hands-on clinical experience, with the goal to compliment academic work. The program will rely on student-driven learning to improve clinical skills as well as client interactions. Furthermore, since this program is also heavily based on learning, we will ask students to read papers, textbook chapters and research topics. If time allows, students will be expected to research a topic or case they were involved in and present it to our team as a learning opportunity.

The schedule will include mostly days, although they can also include evenings. Students will be expected to work approximately 40-hour weeks, although this may vary; and will be paired with a veterinarian for the duration of the learning process during which they will be encouraged to participate in all aspects of patient care. The rotation is designed to place the student in an environment where they can function as a veterinarian while directly supervised by an experienced clinician, and thus prepare them for clinical work. These rotations are designed to allow students, under veterinary supervision, to practice communication skills, problem-solving, and technical skills that they have acquired during their clinical preparation.

CONTACT:

Expectations:

Work Hours: Approximately 40 hours, mostly days, some evenings and nights and weekends depending on the rotation.

Attire: Extern's own surgical scrubs

Housing: Not provided

Travel: Students are expected to provide their own means to come to the practice. It is recommended that students have their own car and stay close to downtown area.

Dr. Vanessa Gruffydd
info@mcknightveterinaryhospital.ca

Nechako Valley Animal Health Services Equine – Vanderhoof, BC

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| ROTATION CODE: | NVAHS |
| INSTRUCTORS: | Dr. Cori Stephen |
| DURATION: | 2 weeks |
| TIMING: | pre-draft application procedure 1 st Student – Week 5-6 2 nd Student – Week 31-32 |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>Nechako Valley Animal Health Services is located in Vanderhoof, BC. Students will accompany Dr. Stephen or an associate veterinarian on daily appointments in the field and in clinic. The rotation will involve almost entirely an equine caseload. Typical equine cases can be expected including routine wellness, field surgeries, dentistry and lameness, as well as emergencies. Students will spend 4 days in Vanderhoof and then will depart with Dr. Stephen for a mobile clinic trip to Terrace BC to provide equine veterinary services in an underserved region. Days will be long and the work will be physically demanding. Those with an interest in general equine practice and dentistry are encouraged to apply.</p> <p><u>Housing</u> is provided while on the trip to Terrace. While in Vanderhoof, housing may be available with a member of the clinic team. Students should consult with Dr. Stephen about this.</p> <p><u>Application</u>: Please submit a letter of interest and a CV to wcvm.curriculum@usask.ca addressed to Dr. Cori Stephen.</p> |

Oakbank Bird's Hill Animal Hospital

ROTATION CODE: OBIRD, OBIRD1

INSTRUCTORS: Dr Melanie Youngs
Dr Carly Mayo
Dr Jenna Rondeau

DURATION: 2 weeks

TIMING: S1 – 2 April 24, 2023 – Nov 5, 2023
17 – 18 Jan 2, 2024 - January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: We do an abundance of dental surgeries, x-rays, and ultrasounds. We do some orthopaedic, ACL, and soft tissue surgeries. We also work closely with local rescues in helping with stray, feral, or underserved pets.

Hours are generally a standard 9-5/6 with evenings at this point on just Thursdays. Our Vets also do a rotation of Saturday shifts so depending on the student's needs and wants, they could likely work as much as they'd like during that time.

Attire: Student provides their own scrubs.

Housing: Hotels are available in Oakbank, or nearby Winnipeg.

Travel: Own transportation, would likely need a car.

CONTACT: **Kathryn Gibb**
kathryn.gibb@oakbankanimalhospital.ca

Okotoks Feedlot Health Management

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| ROTATION CODE: | OFL |
| INSTRUCTOR: | Dr. J. Campbell and N. Erickson |
| DURATION: | 2 weeks |
| TIMING: | 9 – 10 October 23, 2023 – November 5, 2023 (Dates in Okotoks are: October 29 – November 4) |
| | * A student may take this rotation only once. |
| STUDENT NUMBERS: | 4 students |
| PREREQUISITE: | A student must have taken two of three of the Bovine Nutrition (VLAC 493), Beef Industry (VLAC 491) or Advanced Ruminant Med (VLAC 437). |

DESCRIPTION: This rotation will take place in Okotoks, Alberta and will be based out of the Feedlot Health Management Services veterinary practice. The feedlot externship is **only one week in length** and students will spend the other week on field service at the WCVM. This is an intensive rotation focused on feedlot production and health management. The rotation will have directed learning experiences in both classroom and field settings with targeted follow-up and discussion of each experience. On most days, approximately ½ of the day will be spent in a classroom setting and the other half of the day will be spent in a field setting. The objective of the classroom exercises will be to provide/review the necessary background material so that the students can get the most out of the field experiences. The objective of the field experiences is to provide veterinary students with exposure to day-to-day feedlot operations so that students can gain an improved understanding of the feedlot production system and to provide hands on experience in performing selected animal health and veterinary procedures such as field necropsy, administration of vaccines, implants and minor surgery. The model of beef production consulting utilized at Feedlot Health Management Services will also be presented with the feedlot production consulting model as the primary example studied.

Some funding of student expenses has been obtained in the past from various pharmaceutical company sponsors; however students should be prepared to pay for their food and lodging during this rotation. This is a very intensive one week experience in which the combination of clinical and classroom experiences averages 14-15 hours/day. Only students with a primary focus on food animal production medicine should select this rotation!

Students are expected to travel there on the Saturday and start the rotation on the Sunday morning. Travel and food is covered for this rotation, with the hotel being a possible expense.

Oncology

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| ROTATION CODE: | ONC |
| INSTRUCTORS: | Dr. V. MacDonald and Dr. A. Matsuyama |
| DURATION: | 2 weeks |
| TIMING: | 1 – 2 August 28, 2023 – September 10, 2023 3 – 4 September 11, 2023 – September 24, 2023 5 – 6 September 25, 2023 – October 9, 2023 9 – 10 October 23, 2023 – November 5, 2023 11 – 12 November 6, 2023 – November 19, 2023 13 – 14 November 20, 2023 – December 3, 2023 15 – 16 December 4, 2023 – December 17, 2023 17 – 18 January 2, 2024 – January 14, 2024 19 – 20 January 15, 2024 – January 28, 2024 21 – 22 January 29, 2024 – February 11, 2024 23 – 24 February 12, 2024 – February 23 (6PM), 2024 25 – 26 February 27, 2024 - March 10, 2024 27 – 28 March 11, 2024 – March 24, 2024 29 – 30 March 25, 2024 – April 7, 2024 |

Oncology service will be closed the week of October 10th to attend our annual conference.

* A student may take this rotation only once.

STUDENT NUMBERS: minimum of 2 to a maximum of 3 students per rotation

DESCRIPTION: Cancer is the #1 disease-related cause of death in companion animals in Canada and the US. Many clients will have preconceived notions regarding cancer and the treatment options available for their pets. It is important for every veterinarian (regardless of whether they choose to treat cancer patients in practice) to understand the basic principles of oncology.

The main objective of this course is for the student to be able to recognize common cancers in companion animals and to understand reasons for staging tests. In addition, the student will learn about treatment options and prognosis, so they will be able to offer this information to clients in practice.

Students will be assigned to receive cases presented to the Oncology service (medical and radiation) for scheduled appointments, emergency management and in-house transfers. Depending on the cases presented, possible skills/techniques that may be performed by the student include fine needle aspirates, skin/bone biopsies and bone marrow aspirates/biopsy. You will be able to follow your patient the entire time including collecting history, performing physical exam and staying with patient through any diagnostic tests that may be done.

The student will be responsible for any hospitalized cases and radiation outpatients during this course. Duties will include treatments, feeding, client communication, hospital records, collecting and submitting laboratory samples, scheduling other diagnostic tests and being directly involved with decision making about the case.

The rotation will include topic rounds in the morning prior to receiving cases at which time we will cover such things as the most common tumors seen in practice and chemotherapy drugs. Case rounds will be held in the afternoon at which time the student will present their case to the group.

The evaluation of students will be based on all aspects of their performance in the clinic including patient care, ability to work with the oncology team, client communication, technical skills and their preparedness for both topic and case rounds.

Ophthalmology

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| ROTATION CODE: | OPH |
| INSTRUCTORS: | Drs. L. Sandmeyer, Dr. M. Leis |
| DURATION: | 2 weeks |
| TIMING: | 1 – 2 August 28, 2023 – September 10, 2023 5 – 6 September 25, 2023 – October 9, 2023 7 – 8 October 10, 2023 – October 22, 2023 9 – 10 October 23, 2023 – November 5, 2023 11 – 12 November 6, 2023 – November 19, 2023 13 – 14 November 20, 2023 – December 3, 2023 15 – 16 December 4, 2023 – December 17, 2023 17 – 18 January 2, 2024 – January 14, 2024 19 – 20 January 15, 2024 – January 28, 2024 21 – 22 January 29, 2024 – February 11, 2024 23 – 24 February 12, 2024 – February 23 (6PM), 2024 25 – 26 February 27, 2024 March 10, 2024 27 – 28 March 11, 2024 – March 24, 2024 29 – 30 March 25, 2024 – April 7, 2024 31 – 32 April 8, 2024 – April 21, 2024 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 2 - 4 students per rotation |
| DESCRIPTION: | <p>The ophthalmology service is a referral service within the VMC that consults on small animal, large animal, and exotic animal cases. We provide referral services to veterinarians throughout Western Canada and do internal consults within the hospital. The ophthalmology team on each rotation includes one faculty member, an ophthalmology resident, the ophthalmology technician and the ophthalmology Liaison. The student will develop skills in taking an ocular history and performing a systematic ocular examination. There is no primary emergency call responsibility for this rotation. All weekend and after hour treatments are the responsibility of the students, and these treatments should be shared equally between all members of the group. Students will be able to view surgical procedures performed by the ophthalmologist but will not be performing surgery in live animals.</p> <p>Ocular surgeries are usually completed on Tuesdays and Thursdays by the ophthalmologist and the resident. Monday and Wednesday are reserved for clinical consults and pre-surgical examinations. Students are not responsible for discharge notes or surgery reports as these are completed by the ophthalmology resident. Additional learning materials include several rounds' topics on Canvas that students are expected to complete during the rotation. Quizzes based on these rounds are on Canvas and are also completed in your own time. There is one assignment, which is to choose one of your cases from each week to present to the group. Friday is reserved for Grand Rounds, Ocular Pathology Rounds, and a Dead-Head surgery lab that is completed on the first Friday of the rotation. We will also discuss the Canvas topic rounds and your case-presentation assignments on Fridays. Your evaluation on the ophthalmology service will be based on three parts: clinical service (50%), quizzes (20%), participation in rounds (10%), and case presentation assignments (20%).</p> |

OVC – Dairy Cattle Welfare

ROTATION CODE: ODC

INSTRUCTORS: Drs. D. Haley & T. Duffiel

DURATION: 2 weeks

PRE-REQ: Completion of one Ruminant Field Service rotation.

TIMING:

Week 13 - 14 Monday, November 20, 2023 – Sunday, December 3, 2023

WCVM Ruminant Field Service for the 1st week

OVC Offering 1: Monday, November 27 – Wednesday, December 1, 2023

Week 21 – 22 Monday, January 29, 2024 – Sunday, February 11, 2024

WCVM Ruminant Field Service for the 1st week

OVC Offering 2: Monday, February 5 to Friday, February 9, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION:

Rotation Learning Outcomes :

The goal of the rotation is to contribute to student Phase-4 competencies by providing learning opportunities in the context of dairy cattle welfare. The rotation aims, in particular, to provide experience in welfare assessment, communication and analytical discussion of key welfare topics important to the dairy cattle industry. By the end of this rotation, students should be able to do the following learning outcomes at the level of an entry-level graduate from the DVM Program:

- Perform practical animal based welfare assessment of dairy cattle based on the proAction Animal Care Module
- Comprehend the veterinary, dairy industry, and legislated standards in place to ensure the well-being of dairy cattle
- Work with dairy clients to ensure good animal welfare on farm
- Refined animal welfare knowledge for an entry-level DVM
- Technical and client communication skills required of the entry-level food-animal practitioner

Teaching and Learning Strategies:

Students will have lectures and discussions with selected faculty members from the Ontario Veterinary College (OVC) who have expertise in key areas related to dairy cattle welfare. Students will participate in practical welfare assessments on 2 dairy farms using the Canadian proAction Animal Care Module as a guide. A livestock auction market and a veal farm will also be visited to further consider the welfare of dairy animals beyond the traditional context of a working dairy. Participants will complete assignments which are a mix of independent and small group work. Student directed topics will be encouraged throughout the week to provide participants a sense of ownership over the content and focus on the areas important to entry level veterinarians. The rotation brings together students from OVC and veterinary schools from across Canada, the United States and the United Kingdom.

Safety:

Safety is a priority at all times. In order to ensure the safety of all participants, the safety procedures / guidelines provided by the instructors must be followed. Instructors will go over farm specific safety procedures and biosecurity measures before each visit. It is a basic expectation that students will wear coveralls, tie back long hair and wear steel toed footwear when on farm. Facemasks, hand sanitizer and boot wash or covers will be provided by the rotation.

PD Days:

PD days will generally not be granted on this rotation due to the short duration and the importance of attending on-farm visits.

Rotation Hours:

This rotation runs Monday to Friday, generally from 8:30am to 5pm. Some days may end later than 5pm due to unforeseen factors that arise during external site visits. The rotation schedule will be posted to the rotation CourseLink site prior to the first day of the rotation. Students will also be expected to complete assignments outside of regular rotation hours during the week.

Meals:

Timing of meal breaks will be outlined in the rotation schedule. As a result of the timing of farm visits some meals during the week are provided by the rotation. When meals are provided and when students are responsible for their own meals will be clearly marked on the schedule. When students are responsible for their own meals, the rotation will be on campus so students will have access to the OVC cafeteria to purchase food or they can bring a packed lunch.

Evaluation:

Evaluation will be performed by the rotation coordinators. The mark for this rotation is based entirely on the universal grading rubric. The evaluation will reflect the student's performance in the following learning categories/competencies.

- Basic knowledge
- Applied knowledge / assessment skills
- Technical skills / ability to delivery of veterinary care
- Attitude
- Ability to relate to colleagues and clients
- Professionalism

About the rotation: <https://www.youtube.com/watch?v=Mk1MyVYWyjw>

Funding is available to support student travel and accommodation to attend the rotation.

Contact: **Dr. Lena Levison**
Saputo Dairy Care Program Manager
dairywel@uoguelph.ca
519-824-4120 ext 54305

Poultry Diagnostic & Field Service

ROTATION CODE: POU

INSTRUCTOR: Drs. S. Gomis, Dickson, (poultry extension veterinarian), Wolfgang (VIDO)

DURATION: 2 weeks

TIMING: 29-30 March 25, 2024 – April 7, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 2-4 students per rotation

DESCRIPTION: This elective rotation in Poultry Diagnostic Pathology and Field Service will be offered once and is open to four students who have a strong interest in food animal production. The objectives are to expose the students to the commercial poultry industry, disease diagnosis, management of disease problems and nutrition related problems in the field. It will consist of field trips to commercial broiler, broiler breeder, table egg-layer, turkey, duck and gees hatchery, processing plant, hatchery, feed mill and the Research Facilities at the Animal and Poultry Science and VIDO.

Cardiology – Pulse Veterinary Specialists & Emergency

ROTATION CODE: CEDM, CEDM1, CEDM2, CEDM3

INSTRUCTORS: Dr. K. Hawkes

DURATION: 2 weeks

TIMING: S3 – 4 May 8, 2023 - May 22, 2023
S7 – 8 June 5, 2023 - June 18, 2023
S17 – 18 August 14, 2023 - August 27, 2023
5 – 6 September 25, 2023 – October 9, 2023
13 – 14 November 20, 2023 – December 3, 2023
15 – 16 December 4, 2023 – December 17, 2023
21 – 22 January 29, 2024 – February 11, 2024
27 – 28 March 11, 2024 – March 24, 2024
31 – 32 April 8, 2024 – April 21, 2024
* A student may take this rotation only once.

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: The Cardiology Service is a two-week rotation designed to expose senior veterinary students to the common congenital and acquired cardiovascular diseases of dogs and cats. By the end of this clinical rotation the student should:

1. Demonstrate proficiency at conducting a thorough cardiovascular physical examination.
2. Be able to record and interpret an electrocardiogram in dogs and cats.
3. Demonstrate the ability to recognize common arrhythmias in dogs and cats.
4. Be able to provide emergency treatment of the most common arrhythmias in dogs and cats.
5. Be able to record and interpret non-invasive blood pressure measurements in dogs and cats.
6. Be able to recognize and treat systemic hypertension in dogs and cats.
7. Be able to recognize normal anatomic structures on thoracic radiographs.
8. Be able to recognize left and right heart enlargement patterns on thoracic radiographs.
9. Be able to recognize the radiographic hallmarks of cardiogenic pulmonary edema.
10. Be familiar with the various echocardiographic modalities - M-mode, two dimensional, color flow and spectral Doppler imaging.
11. Demonstrate a basic knowledge, and ability to recognize the most common congenital heart defects in dogs and cats, and know how they are treated.
12. Demonstrate a basic understanding, and ability to recognize, the most common acquired heart diseases of dogs and cats and know how they are treated.
13. Be familiar with classes of cardiac medications, basic mechanism of action, and potential side effects.

Attire: Extern's own surgical scrubs or lab coat

Housing: Not provided

Travel: Students are expected to provide their own means to come to Sherwood Park.

CONTACT: **Dr. Kim Hawkes**
kimh@pulseveterinary.ca

Medical Imaging – Pulse Veterinary Specialists & Emergency

ROTATION CODE: MIPULSE, MIPULSE1, MIPULSE2

INSTRUCTORS: Dr. L. Kawalilak

DURATION: 2 weeks

TIMING: S1 – 2 April 24, 2023 – May 7, 2023
S7 – 8 June 5, 2023 – June 18, 2023
5 – 6 September 25, 2023 – October 9, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 – January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION:

Objectives

- 1) To provide the 4th year student with the basic skills and understanding of radiograph and ultrasound image acquisition and interpretation
- 2) To introduce the 4th year student to advanced imaging modalities (including fluoroscopy, computed tomography [CT], and magnetic resonance imaging [MRI]) and their utility in clinical practice

Specific goals

Radiology

- Recognize normal from abnormal
- Learn a systematic approach to radiograph reading for the thorax, musculoskeletal, and abdomen regions
- Demonstrate knowledge of radiographic anatomy and terminology of radiographic views
- Identify and describe radiographic changes accurately and using appropriate terminology
- Organize radiographic differentials appropriately and develop plan for further diagnostic testing and treatment
- Summarize cases succinctly with appropriate medical terminology and semantic qualifiers
- Understand pathophysiology relative to changes on radiographs

Ultrasound

- Understand the basics of ultrasound physics and machine operation
- Recognize the abdominal organs while scanning the patient and review the topography of the organs in the abdomen
- Recognize free fluid and free gas in the abdomen and thorax
- Identify common abnormalities of the abdomen such as nodules/masses, relative echogenicity of some abdominal organs, organ inflammation, foreign material, etc.

- Organize sonographic differentials appropriately and develop plan for further diagnostic testing and treatment

Advanced Imaging

- Identify cases in which advanced imaging is beneficial as a diagnostic tool
- Understand the basic imaging physics and procedures for acquiring fluoroscopy, CT, and MRI studies
- Understand basic interpretation paradigms for fluoroscopy, CT, and MRI

Workdays:

Monday to Thursday (service days) = 8am-6pm; Friday (review day) = 9am-12pm, depending on case load

We encourage the students to request any additional topics or specific learning objectives not included in the outline above. Additional topic rounds/journal club are held on Wednesdays and Fridays. Additional learning opportunities in Emergency/Critical Care and Internal Medicine are also available on Fridays at Pulse.

Attire: Extern's own surgical scrubs or lab coat

Housing: Not provided

Travel: Students are expected to provide their own means to come to Sherwood Park.

CONTACT:

Dr. Lukas Kawalilak

lukas@pulseveterinary.ca

Regulatory Veterinary Medicine - CFIA

ROTATION CODE: REG

INSTRUCTORS: Rachel Courtice

DURATION: 2 weeks

TIMING: 31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: up to 10 students

DESCRIPTION: Information presented will expose students to the roles of veterinarians (private practitioners and federal veterinarians) in disease control, public health and regulatory medicine. This information will be presented through a combination of field training, classroom lectures/discussions, and opportunities for the students to apply their knowledge to disease outbreak and public health scenarios.

Field training includes a tour of a slaughter facility, humane transportation monitoring, TB testing, EIA testing and BSE sampling. Specialty topics include reportable and foreign animal disease emergency management, import/export of animals, animal welfare, biosecurity, meat hygiene and food safety.

All modules for CFIA pre-accreditation are covered in the form of a virtual seminar. Each student who successfully completes this rotation will receive a covering letter which is to be presented to the District Veterinarian when applying for accreditation.

This rotation hosts a series of guest lectures that expose students to the first hand experiences of regulatory veterinarians at the federal and provincial level in Western Canada. Students will gain knowledge of the roles of veterinarians in a variety of agencies and departments including CFIA, Fisheries and Oceans Canada, Public Health Agency of Canada and provincial ministries of agriculture.

Student evaluation is based on completion of a pet export assignment and commentary on a current event/issue related to regulatory medicine in the form of a group presentation. General participation in group discussions, wet labs and rotation activities is also considered.

CONTACT: **Rachel Courtice**
Phone: (306) 385 4898
Email: rachel.courtice@inspection.gc.ca

Remote Clinical Practice Rotation

ROTATION CODE: REMCP, REMCP1, REMCP2

INSTRUCTORS: Dr. Woodsworth with support from small animal anesthesia and surgery

DURATION: 2 weeks

TIMING: S3-4 (May 8-21) – La Ronge
S17-18 (August 14-27) – La Ronge
3-4 (September 11-24) – Ile-a-la-Crosse

STUDENT NUMBERS: 8 students at a time

DESCRIPTION: Purpose:

To provide students with clinical experience in delivering remote area veterinary services, including disease surveillance and prevention, population control and zoonotic disease management. Through classroom discussions and on-site learning, students will gain an understanding of the role of veterinary medicine in the context of socioeconomic determinants of human and animal health. Cultural, economic, geographical, political and social challenges having an impact on service delivery in these communities will be discussed. The importance of veterinary involvement in community initiatives will be discussed with an emphasis on One Health objectives. Students will also participate in community-based research and education programs.

Objectives:

While on rotation, students will:

- Identify and discuss challenges faced by remote communities (animal population management issues, animal welfare issues, public health issues, political and cultural challenges, economic challenges)
- Discuss existing capacity and strengths within communities to address these challenges
- Rationalize the delivery of veterinary or public health services from outside parties
- Formulate strategic plans for clinic setup and service delivery onsite
- Demonstrate entry-level clinical competence and efficiency in performing sterilization surgeries in dogs and cats
- Demonstrate sound judgment and competence in anesthetic maintenance and monitoring during elective surgeries
- Elicit thorough histories through discussions with clients
- Perform complete physical examinations and pre-surgical assessments
- Practice technical skills, time management and professional documentation
- Describe characteristics of diseases commonly seen in remote areas that may not be common in urban small animal practice
- Demonstrate peer teaching skills
- Demonstrate effective communication with clients, peers, instructors and volunteers
- Demonstrate self-awareness, self-regulation and active self-reflection

- Demonstrate cultural curiosity and humility, considering own role in reconciliation in a Canadian context
- Recount the impact of the experience on themselves, the community and the animals through a final oral presentation to veterinary student peers
- Design and deliver interactive presentations for school children as an exercise in community outreach and education

Schedule (subject to change):

Monday – Wednesday: orientation and preparation at WCVM

Wednesday – Thursday: clinic set up and community engagement in host community

Friday – Sunday: Clinic activities in host community; drive home Sunday

Monday: Day off

Tuesday - Wednesday: unpack; begin debrief

Thursday: detailed debrief; begin work on presentations

Friday: feedback and wrap up discussions; presentations to student peers and WCVM community at lunch

Evaluation:

Learners will be evaluated on achievement of the above objectives. Communication skills, planning foresight, cultural humility, knowledge and clinical competencies will be assessed. Working as a team with peers and mentors, learners are expected to demonstrate improved efficiency in patient assessment, surgery and anesthesia through the rotation. In addition to delivering an interactive presentation to school children in the community, learners will be required to engage in reflective discussions with classmates and instructors before and after the clinic. Learners will also deliver a final presentation to their veterinary peers describing the experience and the impact (real or perceived) programs such as these have on communities, animals, veterinarians and volunteers.

*A student may take this rotation only once.

Ruminant Neonatal Management

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| ROTATION CODE: | RNM |
| INSTRUCTORS: | Dr. D. Dadarwal |
| DURATION: | 2 weeks |
| TIMING: | 27 – 28 March 11, 2024 – March 24, 2024 |
| STUDENT NUMBERS: | 8 students |
| PREREQUISITE: | A student must have taken the Bovine Nutrition elective (VLAC 493) or Small Ruminant elective (VINT 438-07) and be registered in Large Animal Medicine. |
| DESCRIPTION: | <i>This rotation contains extended days and out of hours requirements which are essential components of the clinical experience.</i> |

We plan to breed around 30 sheep to lamb during the rotation. These ewes will lamb out in two batches, one batch for each week of the rotation. Depending on the plans for the WCVN goats, there is likelihood of having some goats scheduled for kidding during the rotation period as well. The rotation will cover antenatal care, obstetrics, postpartum evaluation of the mother and neonatal care of ruminant species and processing of the lambs. The rotation will include practical hands-on experience and seminars. There will be an on-call schedule to care for the animals. The rotation is well-supported by residents and clinicians (medicine and bovine field service).

Saskatchewan Provincial Government - Regina

ROTATION CODE: SPG

INSTRUCTORS: Veterinary Unit

DURATION: 2 weeks

TIMING: 7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
19 – 20 January 15, 2024 – January 28, 2024
29 – 30 March 25, 2024 – April 7, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: The Livestock Branch is responsible for developing and maintaining legislation and policies relating to animal welfare, disease surveillance, disease response, food safety and the veterinary profession. Students will develop an understanding of the provincial role in animal health and welfare, responsibilities of public sector veterinarians, as well as learn how practicing veterinarians fit within these roles and responsibilities. Students will be provided the opportunity to develop written and oral communication skills as well as to network with Ministry of Agriculture staff.

Objectives:

- Legislation/Policy - become familiar with Federal and Provincial regulations and understand how they relate to animal health, animal welfare and food safety in Saskatchewan.
- Animal Welfare - understand *The Animal Protection Act, 2018* and how it applies to animal welfare enforcement, authority of APOs to pursue corrective action to relieve/prevent distress, and powers of investigation and penalties.
- Surveillance and Disease Management – become familiar with provincial surveillance programs and how they contribute to animal health and public health in Saskatchewan, as well as understanding government’s role in emerging animal health issues.
- Foreign Animal Disease – understand how Saskatchewan would respond if a foreign animal disease was detected.
- Meat Hygiene – understand the meat inspection system in Saskatchewan and across Canada.

Rotation Description:

- Legislation/ Policy
 - Become familiar with the role of government in developing policies that impact animal health and welfare including disease control policies, disease response plans, and reportable/notifiable diseases.
 - A tour of the Legislative building may be included.
- Animal Welfare
 - Explore animal welfare legislation in Saskatchewan and across Canada.

- Study the role of veterinarians in animal welfare including expertise during an investigation, legislative responsibility, available networks and resources, and promoting humane animal care practices.
- A tour of an animal protection agency may be included.
- Surveillance and Disease Management
 - Assess provincial disease surveillance programs including chronic wasting disease, small flock surveillance (avian influenza) and rabies.
 - Become familiar with the role of veterinarians in an anthrax outbreak response.
 - Participate in collaborative discussions between provincial and federal governments on emerging issues, as applicable.
- Foreign Animal Disease (FAD)
 - Engage in discussions on foreign animal disease planning and preparation, including African swine fever and highly pathogenic avian influenza.
- Meat Hygiene
 - Learn the role of government in delivering *The Meat Inspection (Saskatchewan) Regulations*, standards, and inspection services to domestic meat plants.
 - A tour of a domestic meat plant may be included.

Evaluation:

- The student will be given 2 assignments to complete during their rotation. These assignments will not be evaluated but are meant to provide the student with working examples of typical duties of a provincial veterinarian.
- The student will be expected to research and prepare a 10–15-minute presentation on a topic of their choosing, from a provided list, during the rotation. The presentation evaluation will count towards the overall rotation grade.
- The student will be evaluated on communication abilities, professionalism and professional identity, and the ability to work in a team environment.

Additional Information:

- Location – Walter Scott Building, Room 202 - 3085 Albert St, Regina, SK.
- Hours of work – Monday to Friday, 8am to 5pm (1hr lunch). Free parking is available.
- Business casual attire required. Please note our office is scent free.
- All required equipment will be provided.
- Students will be responsible for providing their own accommodations and daily transport to and from the office. Billeting may be available in extenuating circumstances.
- If travel is required during working rotation hours, every effort will be made to accommodate students with existing means of transport available to the Livestock Branch.

CONTACT:

Dr. Stephanie Smith
stephanie.smith@gov.sk.ca

Mikayla Waller
mikayla.waller@gov.sk.ca

Swine Practice - Saskatchewan

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| ROTATION CODE: | SWI1 |
| INSTRUCTOR: | Drs. J. Harding and M. Costa |
| DURATION: | 2 weeks |
| TIMING: | 7 – 8 October 10, 2023 – October 22, 2023 |
| STUDENT NUMBERS: | 2-5 students |
| PREREQUISITE: | Students must have taken the Swine Production Elective (VLAC 439) and be registered in Large Animal Medicine during their clinical year. In special circumstances, students may be permitted enrol in SWI with permission of the instructor following the draft. |
| DESCRIPTION: | <p>This rotation is meant to provide concentrated studies in swine medicine and modern swine production. Course activities will include herd visits, directed discussions on disease and production, student presentations, hosted technical seminars and web labs. Students will complete a number of assignments enhancing their knowledge of drug usage on swine farms, production records, and gross necropsy.</p> <p>There is a strong emphasis on preventive medicine in all aspects of this rotation. The general concepts discussed and reviewed certainly are applicable to other livestock species.</p> <p>The rotation will include complementary registration at the Western Canadian Association of Swine Veterinarians' Annual Conference in Saskatoon. Attendance at the two-day conference (Thursday/Friday) is mandatory.</p> <p>Because of the limited enrolment, it is encouraged that only students with a sincere interest in swine medicine and production should select this rotation.</p> <p>The rotation may include a 2-3 day trip out of province. Students are responsible for their out of pocket expenses. Lodging will be provided.</p> |

* This rotation is only offered once.

Small Animal Elective Surgery

ROTATION CODE: SASE, SASE1, SASE2

INSTRUCTORS: Dr. D. de Rantere

DURATION: 2 weeks

TIMING: S5 – 6 May 23, 2023 - June 4, 2023
S11 – 12 July 3, 2023 - July 16, 2023
3 – 4 September 11, 2023 – September 24, 2023
7 – 8 **October 10, 2023** – October 22, 2023
11 – 12 November 6, 2023 – November 19, 2023
15 – 16 December 4, 2023 – December 17, 2023
19 – 20 January 15, 2024 – January 28, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
27 – 28 March 11, 2024 – March 24, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once

STUDENT NUMBERS: 4 students per rotation

DESCRIPTION: COMPLETE SPAY DEPA DURING THIS ROTATION
Learning objectives of the electives rotation include development of surgical skills including tissue handling, use of instruments, ensuring adequate knot security, techniques to ensure cosmesis of closure. Learning objectives also include the ability to describe a plan for complications encountered during spays and neuters, description of abdominal anatomy with specific reference to the urogenital tract, and formation of an appropriate post-operative plan for spay and neuter patients. Rounds will take place in the mornings, and will be led by the surgery clinical associate, with some rounds including faculty participation, depending on clinician availability. Rounds topics may include spay complications, neuter complications, ovariectomy vs. ovariohysterectomy, pyometra, c-section, cystotomy and any other topic of interest to the clinicians or students.

Students will be evaluated using the results of the spay DEPA and performance on the rotation including patient care, accuracy and thoroughness of the medical record, participation in rounds and surgical skill. Evaluation will be given at mid-rotation, which is at the end of the first week, and written evaluation will be given at the end of the rotation. If there is a serious weakness identified at the mid-rotation evaluation, written evaluation will be provided along with parameters for improvement that need to be met in order to achieve a passing grad in the rotation.

Students on the electives rotation will be entered into the surgical call schedule with the students who are on the majors rotation. Emergency duty in the clinic on the weekends will also be a part of the rotation.

Small Animal Surgery Majors & Electives

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| ROTATION CODE: | SAME |
| INSTRUCTORS: | Drs. D. de Rantere, K. Aoki, C. Shmon, K. Linn |
| DURATION: | 2 weeks |
| TIMING: | 1 – 2 August 28, 2023 – September 10, 2023 5 – 6 September 25, 2023 – October 9, 2023 9 – 10 October 23, 2023 – November 5, 2023 13 – 14 November 20, 2023 – December 3, 2023 21 – 22 January 29, 2024 – February 11, 2024 25 – 26 February 27, 2024 - March 10, 2024 29 – 30 March 25, 2024 – April 7, 2024 |
| STUDENT NUMBERS: | 4 students per rotation |
| DESCRIPTION: | This general small animal surgery course is designed to introduce students to fundamental concepts. It will focus on the clinical diagnosis and management of surgical problems observed in small animal practice using clinical cases presented to the Veterinary Medical Centre. Hands on experience will be provided primarily through assistance in major procedures, and through the performance of elective procedures. |

Objectives:

- To develop and practice basic problem-solving and diagnostic skills for the management of small animal surgical problems.
- To learn and practice optimal perioperative patient managements including the recognition and management of surgical complications.
- To teach students how to apply sound surgical judgement and surgical techniques to patients presenting with surgical diseases.
- To practice and further refine surgical psychomotor and tissue handling skills.
- To develop communication skills through the interaction with clients, peers and clinicians.
- To develop an awareness of practicalities, success and economics of various treatment regimes.

*Students will be expected to successfully complete and pass a spay OSCE to pass this rotation.

* Students may repeat this rotation only once

Small Animal Medical Imaging

(Radiology and Ultrasound)

ROTATION CODE: MI

INSTRUCTORS: Dr. S. Sukut , Dr. J Gu

DURATION: 2 weeks

TIMING:

- 1 – 2 August 28, 2023 – September 10, 2023
- 3 – 4 September 11, 2023 – September 24, 2023
- 5 – 6 September 25, 2023 – October 9, 2023
- 7 – 8 October 10, 2023 – October 22, 2023
- 9 – 10 October 23, 2023 – November 5, 2023
- 11 – 12 November 6, 2023 – November 19, 2023
- 13 – 14 November 20, 2023 – December 3, 2023
- 15 – 16 December 4, 2023 – December 17, 2023
- 17 – 18 January 2, 2024 – January 14, 2024
- 19 – 20 January 15, 2024 – January 28, 2024
- 21 – 22 January 29, 2024 – February 11, 2024
- 23 – 24 February 12, 2024 – February 23 (6PM), 2024
- 25 – 26 February 27, 2024 - March 10, 2024
- 27 – 28 March 11, 2024 – March 24, 2024
- 29 – 30 March 25, 2024 – April 7, 2024
- 31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 4-6 students per rotation

DESCRIPTION: This course focuses primarily on the acquisition and interpretation of small animal radiographs, and entry level small animal ultrasound examination. A detailed schedule of rotation activities will be given to each student on day 1 of the rotation.

For instruction in the acquisition of radiographs students are closely supervised by the radiology technologists until they develop enough proficiency to work independently. Ultrasonography including echocardiography is integrated into the casework. Some “hands-on” experience in abdominal sonographic examination is included. In addition to clinical cases a dedicated ultrasound lab occurs during week 1. Small animal CT and MRI studies are regularly performed, and the students are encouraged to take on observational role in these imaging modalities.

The students’ analytical skills in image interpretation will be developed by the radiologists through clinical case discussions using a variety of teaching formats. Rounds will deal with groups of clinic-based cases that the students will discuss.

Rotation grades will be based on ability, attitude, and participation in the handling of the imaging caseload, including the rounds discussions. An end-of-rotation quiz will form an additional part of the grade:

Interpretive Exam: A Canvas exam which is multiple-choice and 1.5 hours in duration will occur at the end of week 2 in which the students will be primarily asked radiographic interpretive questions, and entry level ultrasound questions.

Small Animal Medicine

ROTATION CODE: SAM

INSTRUCTORS: Drs. C. Carr, K. Cosford, J. Loewen and E. Snead

DURATION: 4 weeks

TIMING: 1 – 4 August 28, 2023 – September 24, 2023
5 – 8 September 25, 2023 – October 22, 2023
9 – 12 October 23, 2023 – November 19, 2023
13 – 16 November 20, 2023 – December 17, 2023
17 – 20 January 2, 2024 - January 28, 2024
21 – 24 January 29, 2024 - February 23 (6PM), 2024
25 – 28 February 27, 2024 - March 24, 2024
29 – 32 March 25, 2024 - April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 8-10 students per rotation

DESCRIPTION: The main objective of this course is to have the student learn to practice clinical small animal medicine. The student will work together with clinical faculty and house officers to manage patients presented to the Small Animal Clinic of the Veterinary Medical Centre. The student will develop the observational and communicative skills necessary to interact with pet owners and collect relevant clinical information. The student will learn to handle, restrain and examine dogs and cats and will develop the manual and technical skills required for diagnosis and treatment of these animals. The student will learn and practice a logical, problem-oriented analytic approach to making clinical decisions relating to diagnosis, prognosis, management and disease control.

Students will be assigned to receive cases presented to the Small Animal Clinic for scheduled appointments and emergency management. The students will be responsible for all aspects of management of their hospitalized cases, 24 hours a day, seven days a week. This will include all treatments, feeding, maintaining hospital records, collecting and submitting samples for laboratory analysis, interpreting diagnostic test results, communicating with owners and participating in decision-making about their cases.

Morning rounds will be held daily (Monday to Friday). The student will be required to keep a written log of all cases managed during the rotation. The evaluation of students will be based upon all aspects of their performance in the clinic, their preparedness for rounds presentations and discussions and their quiz scores.

Small Animal Nutrition

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| ROTATION CODE: | SAN |
| INSTRUCTORS: | Dr. T. Owens |
| DURATION: | 2 weeks |
| TIMING: | S1 – 2 April 24, 2023 - May 7, 2023 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 2-4 students per rotation |
| DESCRIPTION: | <p>The rotation will focus on practical application of principles in small animal nutrition to clinical cases and developing the nutrition related competencies expected of graduating veterinarians. Review of differential diagnoses, interpretation of diagnostic tests, and pathophysiology of disease is incorporated as indicated. Clinical cases presenting to the VMC will be utilized to achieve this in combination with self-directed learning/review and topic rounds. Students are typically responsible for helping to assess and provide nutritional recommendations for hospitalized small animal patients. Preference will be given to the use of clinical case management for learning; however, exact content may vary with the interests of the students on rotation and the available case load. Examples may include wellness/preventative nutrition, obesity, chronic kidney disease, urolithiasis, and gastrointestinal disease. The rotation is intended for students to practice nutritional assessment, integration of basic nutritional skills and tools into case management, and to introduce students to more advanced nutritional review and recommendation. Emphasis is placed on ensuring that students are capable of applying basic nutritional principles and utilizing available resources to manage nutrition-responsive diseases and answer client questions.</p> |

Small Animal Nutrition and Rehabilitation Joint Rotation

ROTATION CODE: SANR, SANR1

INSTRUCTORS: Dr. T. Owens, Dr. R Pinto, Dr. K. Penney

DURATION: 2 weeks

TIMING: Weeks S7-8 June 5-18
Weeks 27-28 Mar 11-24

* A student may take this rotation only once.

STUDENT NUMBERS: 2-4 students per rotation

DESCRIPTION: Students will spend 1 week with the rehabilitation service and 1 week with the nutrition service. In some cases (e.g. osteoarthritis management, weight loss), rounds topics may be integrated with both services participating. Some cases may be managed or need consultation with both services, fostering a more integrative approach.

REHABILITATION SECTION

Daily activities will consist of topic rounds as well as participation in the treatment of clinical rehabilitation cases. In comparison to the full canine rehabilitation rotation, this rotation will cover fewer topics related to rehabilitation with more of a focus on common conditions encountered in general practice.

Rotation hours are generally from 8:00 am to 5:00 pm Monday to Friday, however, some patient care for in-hospital patients may be required evenings and weekends. One day of the week, students will be required to stay late for appointments. There will be no on-call duties.

A review of canine applied anatomy, particularly bones and muscles is required prior to the start of the rotation.

Grading will be based on rounds participation, skill in rehabilitation patient evaluation and treatment, patient care and attitude.

Goals:

- to become familiar with the approach to rehabilitation of cases involving post-operative orthopedics, neurologic cases, osteoarthritis cases and soft tissue injuries
- to perform initial evaluations on clinical cases and formulate treatment plans with the guidance of a rehabilitation clinician
- to become competent with basic techniques such as massage, passive range of motion, stretching and rhythmic stabilization
- to understand the use of modalities such as heat, ice, therapeutic ultrasound, acupuncture, E-stim and low-level laser
- to understand the application of therapeutic exercises such as cavelettis, sit to stands and the underwater treadmill

On completion of the rotation, students should be familiar with many of the concepts in rehabilitation, however, it is still recommended that those interested in practicing rehabilitation medicine take further training and become certified practitioners.

NUTRITION SECTION

Rotation hours are standard; however, majority of case work may occur in the mornings, with portions of the day left for self-directed learning, research, case-prep and planning. Exact scheduling may vary with exact rotation dates.

The rotation will focus on practical application of small animal nutrition principles to common scenarios in practice. The overarching goal is for the student to gain proficiency in nutrition related competencies expected of graduating veterinarians, as established by the ACVN. Collection of accurate diet histories, analysis of current diet and formulating recommendations will be key to all appointments. Working with other services will necessitate learning and awareness of contraindications to certain dietary recommendations and to differentiate cases where recommendations can be made based on already available information (compared to cases where a more thorough extended nutritional evaluation is indicated).

A combination of topic rounds, nutrition focused projects, self-directed learning, and clinical cases presenting to the VMC will be utilized to achieve this. Preference will be given to the use of clinical case management; however, exact content may vary with the interests of the students on rotation and the available case load.

In comparison to the full nutrition rotation, this rotation will likely cover fewer nutritional topics overall. General topics covered with, therefore, focus more on the most common conditions encountered in general practice, with more in-depth review of those that overlap with rehabilitation (e.g. obesity, osteoarthritis, muscle loss, senior pet nutrition, etc.). Other types of cases/topics reviewed by individual students will then depend on case presentations within the hospital and appointment scheduling.

Emphasis will be placed on learning related to common nutritionally-managed diseases such as obesity, renal/urinary disease, adverse food reactions, and gastrointestinal disease. Dealing with more complex cases is likely; however, learning objectives for students will be focused on application of principles universal to case management expected for general practice or entry into an internship. The nutrition service may also be asked to assist or consult on hospitalized cases in other services to provide in-hospital feeding recommendations/plans and assisted feeding (tube) plans as needed. The nutrition service also works with other services within the hospital to provide support and recommendations for their patients.

Goals:

- Develop confidence in nutritional management of common diseases/issues
- Review basic nutritional principles and core competencies (diet history, body and muscle condition scoring, recognizing potential problems and need for extended evaluations, etc.)
- Review pathophysiology of common nutritionally-related diseases and be able to explain principles of nutrition management
- Gain familiarity and competence with utilizing available resources to manage nutrition-responsive diseases
- Develop confidence and comfort communicating with clients and answering common nutrition-related questions from pet owners.

Small Animal Surgery 2

ROTATION CODE: SA2

INSTRUCTORS: Drs. K. Aoki (co-ordinator), Dr. C. Shmon, Dr. K. Linn

DURATION: 2 weeks

TIMING:

1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
7 – 8 October 10, 2023 – October 22, 2023
11 – 12 November 6, 2023 – November 19, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 – January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
27 – 28 March 11, 2024 – March 24, 2024
31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 3-5 students per rotation

DESCRIPTION: This general small animal surgery course is designed to introduce students to fundamental concepts of clinical surgery. It will focus on the clinical diagnosis and peri-operative management of surgical problems observed in small animal practice using clinical cases presented to the Veterinary Medical Centre. Hands on experience will be provided primarily through assistance in major procedures. Students desiring a more intensive experience in small animal surgery should select the Small Animal Surgery Electives rotation or repeat this rotation.

Objectives:

To practice problem-solving and diagnostic skills for the management of small animal surgical problems.

To practice optimal perioperative patient management including the recognition and management of surgical complications.

To learn how to select surgical techniques in patients presenting with surgical diseases and begin to develop surgical judgement.

To practice communication skills through the interactions with clients, peers, and clinicians.

To develop an awareness of practicalities, success, and economics of various surgical treatment regimes.

Small Ruminant

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| ROTATION CODE: | SR |
| INSTRUCTORS: | Dr. C. Clark |
| DURATION: | 2 weeks |
| TIMING: | 25 – 26 February 27, 2024 - March 10, 2024 |
| PREREQUISITE: | A student must have taken the Small Ruminant elective (VINT 438-07). |
| COREQUISITE: | Students must also be scheduled in Large Animal Medicine. |
| STUDENT NUMBERS: | 8 students per rotation |
| DESCRIPTION: | <p>This course is meant to provide an in-depth examination of the sheep and goat industry in this area. Course activities will include a review of nutrition of sheep and goats, clinical cases, general sheep management, flock health programs, ultrasonography of ewes (if any are available at the appropriate stage of gestation), ram fertility evaluation, and selected field trips.</p> <p>Each student will be required to make a presentation at the end of the rotation on an industries topic of interest. The topics will be given out at the beginning of the rotation.</p> <p>Travel expenses including the cost of meals and hotels are at the expense of the student.</p> <p>This course is not recommended for pregnant students.</p> |

South West Animal Health Centre - Swift Current

ROTATION CODE: SWAHC

INSTRUCTORS: Dr. G. Griffin

DURATION: 2 weeks

TIMING: pre-draft application procedure

Beginning of April (1 student) – heavy obstetrical case load and semen testing

End of April (1 student) – heavy obstetrical case load and semen testing

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Students will accompany a vet throughout their rotation leading or assisting in all cases seen by the veterinarian. Students will be expected to take call 50% of the nights/weekends during their rotation.

Depending on the time of year cases may include:

- Bovine obstetrics (malpresentations, caesareans, vaginal prolapses, uterine prolapses)
- Semen testing
- Bovine neonatal care

Housing: Accommodations **may** be available in the clinic.

Application: Please submit a cover letter and a CV to wcv curriculum@usask.ca

CONTACT: Office phone (306) 773-4121

Southglenn Veterinary Hospital

ROTATION CODE: SVH

INSTRUCTORS: Dr. Litchfield, Dr. Blankvoort and Dr. Guinn

DURATION: 2 weeks

TIMING: 27 – 28 March 11, 2024 – March 24, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Southglenn Veterinary Hospital is a busy small animal hospital open 7 days a week with a focus on Wellness and Urgent Care medicine, we also offer walk-ins on Saturdays. Students will be assisting DVMs with routine appointments and surgeries of companion animals.

Schedule Expectations:
Monday – Friday 9am – 5 pm or 4pm – 12am, midnight
Weekends 10am – 6 pm

Attire: Business Casual & Interns own Lab Coat and Surgical scrubs
Housing: Not provided, we are located on the south side of the city.
Travel: Students are expected to provide their own transport to the clinic, we are on a busy street with easy access to bus routes.

CONTACT: **Ashlee Kaniuga**
Practice Manager
(204) 452-0077
ashlee@southglenvethospital.ca

Strathmore Veterinary Clinic

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| ROTATION CODE: | STRATH |
| INSTRUCTORS: | |
| DURATION: | 2 weeks |
| TIMING: | 19 – 20 January 15, 2024 – January 28, 2024 27 – 28 March 11, 2024 – March 24, 2024 * A student may take this rotation only once. |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>Strathmore Veterinary Clinic is a general practice located in Strathmore, AB. Students will be assisting doctors during routine appointments, dentals and surgeries of companion animals.</p> <p>Expectations: Work Hours: Monday - Friday 8am - 6 pm, open Saturday's 9 am - 2 pm. No evenings. No Sundays.</p> <p>Attire: Extern's own surgical scrubs/ business casual Housing: Not provided. There are several hotels in the area. Travel: Students are expected to provide their own means to travel to the practice.</p> |
| CONTACT: | <p>Sadie Lanthier Practice Manager (403) 934-3311 sadie@strathmorevet.com</p> |

Sunrise Veterinary Clinic

ROTATION CODE: SVC, SVC1, SVC2

INSTRUCTORS: Dr. C. Ruiz, Dr. A. Ruiz

DURATION: 2 weeks

TIMING: pre-draft application based

S1 – 2 April 24, 2023 - May 7, 2023

S17 – 18 August 14, 2023 - August 27, 2023

3 – 4 September 11, 2023 – September 24, 2023

11 – 12 November 6, 2023 – November 19, 2023

19 – 20 January 15, 2024 – January 28, 2024

25 – 26 February 27, 2024 – March 10, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: A “from the trenches” glimpse of how veterinary medicine work-life-balance can be achieved in private practice at Sunrise Veterinary Clinic in Comox, BC. Veterinary medicine has an unsustainable trend of losing veterinarians, especially women, after starting a family, due to an inability to balance family life and career. Innovation and creativity are essential to developing creative solutions for this quagmire, especially in the current veterinarian shortage.

During the family practice rotation, you will have opportunity to expand your skill set in various areas of small animal and exotics practice including medicine, surgery, dentistry, dermatology and preventive care, on a gold-standard general practice level.

Balancing family and veterinary medicine can be both possible and rewarding. The “family practice” rotation is led by a husband-and-wife vet couple who have forged their own path and made a way for their family of 6 to homeschool and thrive while also leading successful and fulfilling veterinary careers. They are keen to share their experiences and mentor the next generation of veterinarians to be entrepreneurs and innovators for the sake of their own families and our beloved profession.

CONTACT: reception@sunrisevet.ca
250-339-6555

Swiftsure Equine Veterinary Services

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| ROTATION CODE: | SWIF |
| INSTRUCTORS: | Dr. Danica Olenick (WCVM 2008), Dr. Kaitlin McDonald (UofC 2015), Dr. Reina Fennell (WCVM 2021) |
| DURATION: | 2 weeks |
| TIMING: | pre-application procedure Any months <i>except</i> Dec, Jan, Feb, July, Aug |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>Swiftsure Equine Veterinary Services is primarily an ambulatory, equine-exclusive, veterinary practice serving the Greater Victoria area with a haul-in facility for standing surgeries and exams. Our desire is to help clients provide quality care for their horses by offering compassionate and professional service, client education, and customized care for our diverse clientele. The scope of practice is approximately 40% performance (hunter/jumper/dressage) horse, 40% lesson horse, and 20% pleasure horse. SEVS provides routine wellness and lameness services with equipment including DR, US, gastroscope, Prostride, in-house lab, Powerfloat etc. as well as complimentary services including spinal manipulation and acupuncture. SEVS offers routine appointments on weekdays as well as urgent and emergency services to our regular clientele.</p> <p>Our team consists of three WCVM and UofC graduated veterinarians, three veterinary assistants and two office staff. We aim to provide a truly balanced lifestyle and cooperative team atmosphere. By prioritizing individuals needs, hobbies and personal goals, and collectively working to support others, we strive for all staff to achieve professional and personal satisfaction (and avoid burnout). Our veterinarians enjoy mentoring graduating colleagues, providing practical and clinically relevant knowledge, skills, and insights to help enhance the student/new graduate's educational foundation.</p> <p>Students will primarily be observing field services, procedures and client communications, with some hands-on experience, case-specific.</p> <p><u>Housing:</u> Successful applicants must organize their own transport to the clinic. They can arrange their own accommodations or Dr. Danica can offer a private bedroom and bathroom on site. The facility is located 8 km from Swartz Bay Ferry Terminal and 2.5km from Victoria International Airport YYJ.</p> <p><u>Application:</u> Interested applicants must submit a Letter of Intent addressed to Dr. Danica Olenick to wcvm.curriculum@usask.ca describing their equine experience, professional goals after graduation, as well as personal interests and hobbies.</p> |
| CONTACT: | Dr. Danica Olenick info@swiftsureequine.com |

The Pet Hospital – Leduc

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| ROTATION CODE: | PHOS |
| INSTRUCTORS: | Dr. Jessica TerBorgh |
| DURATION: | 2 weeks |
| TIMING: | 5 – 6 September 25, 2023 – October 9, 2023 13 – 14 July 17, 2023 – July 30, 2023 |
| STUDENT NUMBERS: | 1 student per rotation |
| DESCRIPTION: | <p>The Pet Hospital, located 8 minutes south of Edmonton, is a full-service small animal practice which is a privately owned (non-corporate). The facility was recently built in 2016, big, bright, and clean. We are certified by the American Association of Feline Practitioner (AAFP) as a gold standard Cat Friendly Practice. 2 veterinarians, 5 technicians (all senior with 6+ years of experience) and two receptionists make up our staff.</p> <p>This rotation is best suited for a student with an interest in entering small animal general practice. Students will be assisting doctors during routine appointments, surgeries, dentistry, and occasional emergency cases. Entire case load will be dogs and cats. A large proportion of surgical cases are dentistry, but The Pet Hospital will ensure exposure to spays and neuters is provided.</p> <p>The objective of our rotation is to provide comprehensive hands-on clinical experience in small animal medicine.</p> <p>Clinic Hours: Monday – Friday 8:00 am – 5:30 pm. No evenings and No on call. Attire: Extern’s own surgical scrubs and lab coat/ business casual. Housing: Not provided. There are several hotels in the area. The Pet Hospital will make recommendations if needed. Travel: Students are expected to provide their own means to travel to the practice.</p> |
| CONTACT: | <p>Dr. Jessica terBorgh jessicaterborgh@icloud.com (587) 983 6734</p> |

Toronto Humane Society Shelter Medicine Rotation Information Package

General Information:

Instructors (are subject to change over time):

Dr. Laura Balanoff (Staff Veterinarian / Surgery Lead, Interim Curriculum Organizer)
Dr. Danielle Boes (Staff Veterinarian, Shelter Medicine Rotation Curriculum Organizer)
Dr. Karen Ward (Chief Veterinary Officer)
Dr. Linda Jacobson (Senior Manager, Shelter Medicine Advancement)

Shelter DVM:

Dr. Zaki Jafry (Staff Veterinarian)
Dr. Kristen Pow (Staff Veterinarian)
Dr. Megan Haines (Staff Veterinarian)
Dr. Elva Ma (Staff Veterinarian, Foster Department)
Dr. Sophia Marin (Staff Veterinarian, Foster Department)

Public veterinary Service DVM:

Dr. Cynthia Minter (Staff Veterinarian)
Dr. Kristen Jacques (Staff Veterinarian)
Dr. Lindsay Lane (Staff Veterinarian)

Main contacts for rotation information:

Dr. Danielle Boes, Rotation Curriculum Organizer, dboes@torontohumanesociety.com (on parental leave from Oct 2021-Feb 2023)
[Dr. Laura Balanoff, Interim Curriculum Organizer lbalanoff@torontohumanesociety.com](mailto:lbalanoff@torontohumanesociety.com)
Ms. Rachel Fortin RVT, Rotation Scheduler, rfortin@torontohumanesociety.com
Dr. Karen Ward, Chief Veterinary Officer, kward@torontohumanesociety.com

TIMING:

1 – 2 Aug 28 - Sept 10, 2023
13 - 14 Nov 20 – Dec 3, 2023
23 – 24 Feb 12-Feb 13, 2024
31 – 32 Apr 8 – Apr 21, 2024

COVID-19 UPDATE:

The Toronto Humane Society mask mandate and rapid test requirements will no longer be in effect as of Monday October 17, 2022. This is in keeping with the Ontario Government's decision to manage COVID-19 in the same way as other respiratory infections such as 'flu. Mask-wearing is voluntary but THS strongly encourage staff and volunteers to continue to wear masks while in the facility, whether you have recently been sick or not. THS will continue to provide N95-type masks for staff and volunteers.

There will be zero tolerance for any attempt to discourage others from wearing a mask if they choose to do so.

In light of the many adjustments in staffing since COVID -19, the student schedules as listed below may not be representative of what services the students will actually be scheduled for. The overall goal of the rotation at THS is to provide well rounded exposure to shelter medicine and community outreach. There will be opportunities for surgical

experience however this is not the main focus of the rotation at THS. Students wanting a rotation experience with a mostly surgical focus and a large amount of surgery time should consider an alternative placement.

Shelter address:

11 River St.
Toronto ON
M5A 4C2

Located at the corner of Queen St. East and River St.
In the neighbourhood of Corktown and Regent Park

Rotation duration:

Varies from 1 day to 2 week placements depending on the availability and needs of the student and shelter capacity.

Dates available:

January to April and September to December

During the summer months with kitten season, the shelter gets extremely busy. Rotations scheduled outside of May-Aug are best to allow time to properly mentor students.

Student numbers:

Ideal to have 2 students at a time per rotation. Exceptions will be considered for single student placement on a case by case basis.

First day info:

Please arrive to the front doors of the shelter (on River St) at the scheduled time which will be relayed in advance to the student depending on the service. If it is before 11am, the front doors will be locked still. You can contact a supervisor at 416-392-2273 x 2190 to be let in. The supervisor will show you to the vet's office where you will meet the vet you are on service with that day. Morning rounds start at 10am each day.

The shelter is easily accessible by public transport and there is a THS parking lot behind the shelter. Parking is free there but it is first come first serve and can fill up quickly. Be sure to read signage before parking to avoid a parking ticket.

Accommodations:

If accommodations are needed in the city, students can consider:

- Renting an Airbnb or other short term rental
- Booking a hotel room. Hotwire sometimes has deals on their website
- Staying with friends or family member(s)

Rotation description:

Open to all veterinary students along with veterinary interns who would like to gain more exposure to and are interested in animal welfare, shelter medicine and community veterinary practice.

Rotation goals:

1. Broad overview of shelter medicine, its challenges and rewards
2. Exposure to a busy, well-resourced shelter with capacity for extensive surgical and medical case management
3. Understanding how sheltering best practices improve health, welfare, length of stay and life-saving capacity
4. Exposure to population management and pathway planning in shelters
5. Exposure to common medical and behavioural reasons for relinquishment and how to manage them in an animal shelter

6. Understanding the roles of both shelter veterinarians and private practice veterinarians in creating a humane society
7. Exposure to accessible public veterinary care

Rotation components:

1. INTAKE
 - a. All animals arriving at the shelter receive a complete physical exam, assessment, intake procedures and pathway plan
 - b. Includes foster exams, newly adopted, strays, emergencies, surrenders and transfers
2. FELINE MEDICINE
 - a. All medicine shifts include:
 - i. Rounds
 - ii. Case work up and management
 - iii. Full in house lab including fungal culture lab, digital radiography, ultrasound
 - iv. Assessment and interpretation of diagnostics
 - v. Infectious disease prevention and management
 - vi. Population management
3. SPECIAL SPECIES MEDICINE
4. CANINE MEDICINE
5. HIGH-VOLUME-HIGH-QUALITY SPAY-NEUTER SURGERY
 - a. Based on the Humane Alliance model
 - b. Services a combination of owned animals, rescue and shelter animals
 - c. 5,600 spay/neuter surgeries performed in 2018
6. SHELTER SURGERY
 - a. A wide variety of surgical procedures, including but not limited to
 - i. Feline and canine (both pediatric and adult) spay and neuter
 - ii. Rabbit spays/neuters and dentals
 - iii. Feline and canine dentistry including digital dental radiography
 - iv. Gastrotomy, enterotomy
 - v. Cystotomy
 - vi. Mass removals
 - vii. Amputations
 - viii. FHO
 - ix. Enucleation, cherry eye repair, entropion/ectropion correction
7. PUBLIC VETERINARY SERVICES
 - a. Vaccinations, wellness exams and blood work, pre-surgical and pre-dental consultations, owner-requested euthanasias, post-operative concerns, amongst others
8. CANINE TRAINING DEPARTMENT
 - a. Public training classes, shelter training classes, behaviour modification plans
 - b. In-shelter enrichment plans
 - c. Most of our trainers are CPDT-KA certified, or tracking towards certification
9. FELINE TRAINING DEPARTMENT
 - a. In-shelter and foster home training and enrichment plans, behaviour modification
 - b. Department led by Dr. Jacklyn Ellis, Animal Behaviour Scientist
 - c. Managing litterbox concerns, including inappropriate urination & defecation
10. LABORATORY
 - a. Exposure to our in-house IDEXX lab with dedicated RVT; CBC, Chemistries, cytology, fecals, urinalysis, fungal cultures
11. ADOPTIONS

- a. New hire presentation on “Adopters Welcome”

****NOTE:** Participation in some of the above components will be based on time allowance and shelter capacity. Longer placements will allow for exposure to more of the components.

Resources to review prior to the rotation:

Please watch the following videos:

- The first 60 minutes webinar by Dr. Brian DiGangi
 - <https://www.maddiesfund.org/the-first-60-minutes-webcast.htm>
- Flow through planning webinar by Dr. Elizabeth Berliner
 - <https://www.maddiesfund.org/in-one-door-and-out-the-other.htm>
- Making the case for a paradigm shift in community cat management by Dr. Kate Hurley
 - <https://www.maddiesfund.org/making-the-case-for-community-cats-part-one.htm#sfkdsaj>
- RAVS basic surgery skills practice videos:
 - http://www.ruralareavet.org/training_av.php
- ASPCA Humane Alliance youtube videos:
 - Pedicle ties: <https://www.youtube.com/watch?v=scutiRrHtQI>
 - Puppy scrotal neuter: <https://www.youtube.com/watch?v=WqwLHiSnboQ>
 - Modified miller’s knot (aka “strangle knot” per ASPCA):
<https://www.youtube.com/watch?v=vUJR5zj2Pyo>
 - Incision placement: <https://www.youtube.com/watch?v=q9Z0pr2xBsQ>
 - Spay hook use: <https://www.youtube.com/watch?v=6HNz6RzMRE>

Please browse and be familiar with generally (don’t need to study/memorize these documents!):

- The Association of Shelter Veterinarians (ASV) Guidelines for Standards of Care in Animal Shelters
 - <https://www.sheltervet.org/assets/docs/shelter-standards-oct2011-wforward.pdf>
- The Association of Shelter Veterinarians (ASV) Spay – Neuter Guidelines
 - <https://avmajournals.avma.org/doi/pdf/10.2460/javma.249.2.165Jshgfkas>
- Toronto Humane Society Protocols on Dropbox. Students will be given access given email to the THS Dropbox files. Please browse/be familiar with the following protocols in order of importance:
 - Vaccination protocols
 - URI
 - Kennel cough
 - Diarrhea (acute)
 - Kitten protocols
 - Ringworm
 - FeLV
 - FIV
 - Inappropriate urination
 - Inappropriate defecation
 - Parvovirus (feline and canine)
 - GI parasites generally (i.e. coccidia, roundworms, hookworms etc)

Please visit these websites:

- Ontario Shelter Medicine Association (OSMA)
 - <https://www.ontariosheltermedicine.org/>

- Maddie’s Fund
 - <https://www.maddiesfund.org/index.htm>
- ASPCA Spay and Neuter Alliance (formally Humane Alliance)
 - <https://www.aspca.org/humane-alliance>
- Association of Shelter Veterinarians (ASV)
 - <https://www.sheltervet.org/>
- University of Florida Shelter Medicine Online Courses
 - <https://onlinesheltermedicine.vetmed.ufl.edu/Kjashlfkjsha>

Talent LMS THS online training needed prior to rotation:

- WHIMIS
 - * **this is the main course that MUST be completed prior to the rotation, the other courses would be more for interest**
- Risk injury prevention
- Rabies observation
- Hazard identification
- Infectious disease control
- Radiation

Tentative Student Scheduling:

One day student placements:

| Time | Service |
|--------------|---|
| 7am-7:30am | Shelter tour |
| 7:30-10:30am | Main clinic shelter surgery service |
| 10:30am-2pm | Feline medicine service |
| 2-3pm | Late lunch – please bring snacks for throughout the day prior to this |
| 3-6pm | Intake service |

Two day student placements:

Day 1:

| Time | Service |
|------------|-----------------------------------|
| 9am-9:30am | Shelter tour |
| 9:30am-2pm | Feline or canine medicine service |
| 2-3pm | Lunch |
| 3-6pm | Intake service |

Day 2:

| Time | Service |
|----------|--|
| 7am-12pm | Main clinic surgery service |
| 12-1pm | Lunch |
| 1-4pm | Feline or canine medicine service (whichever wasn’t done the day before) |

One week student rotation:

- Monday-Friday placement typically (exceptions could be made on a case by case basis)
- Shelter tour on the first day
- Two sets of rounds as detailed below (case-based and ASV Shelter Guidelines)
- One day of:
 - Intake service
 - Feline medicine service

- Canine medicine service
- Main clinic shelter surgery service
- Spay and neuter clinic service

Two week student rotation:

- Monday-Friday placement typically (exceptions could be made on a case by case basis)
- Shelter tour on the first day
- Rounds as scheduled below (case-based, ASV Shelter Guidelines and ASV Spay and Neuter Guidelines)
- Two days (ideally in a row) of:
 - Intake service
 - Feline medicine service
 - Canine medicine service
- One day of:
 - Main clinic shelter surgery service
 - Spay and neuter clinic service
 - +/- Public veterinary services appointments or surgery (when program is fully running)
 - Canine and feline training departments with certified trainers or Dr. Jacklyn Ellis
- Half day of:
 - Laboratory training with Laboratory and Pharmacy RVT Lauren McIntyre
 - Will be scheduled on either a Wednesday or Friday
- Approximately 1 hours of:
 - Presentation on “Adopters Welcome” by Greg Ratelle who is the Senior Manager, Client Care

Intern schedule:

| Monday | Tuesday - Friday |
|---|--|
| 9am: Shelter tour ~9:30 -2pm: Feline medicine 2-3pm: Lunch 3-6pm: Intake | 3 days in MC surgery and 1 day in SNC surgery service. SNC day will be later in the week (Thurs or Fri ideally). |

Rounds schedule and info:

There will be ideally 2-3 sets of rounds as outlined below which will take place during the rotation week. The student will be advised ahead of the rotation as to the dates of the rounds which will vary depending on the student’s schedule. The rounds will typically be held with the veterinarian you are on service with that day. Time of rounds may vary based on the shelter schedule and service needs that day (i.e. in the morning, over lunch time, at the end of the day etc.). The length of the rounds will be ~30 - 60mins. The rounds will be an informal discussion that the student will lead (PowerPoint presentations not required!).

The type of rounds are outlined as below.

1. Case-based rounds:
 - The student will pick a specific shelter-focused case or topic that they have encountered or are interested in learning more about.
 - Examples could include: shelter flow, intake procedures and recommendations, outbreak management, hemoabdomen, ringworm, upper respiratory infection and canine infectious respiratory disease complex, FELV/FIV etc.
2. Association of Shelter Veterinarian (ASV) Guidelines for Standards of Care in Animal Shelters:

- The document can be found here: <https://www.sheltervet.org/assets/docs/shelter-standards-oct2011-wforward.pdf>
- The student will read the introduction and one topic of their choice (i.e. Population Management, Medical Healthy and Physical Well-being, Euthanasia etc) from the document.
- The student will then relay the interesting and important info they learned from their sections.

For 2-week rotation students there will be an additional third set of rounds as below. For veterinary interns, whose focus of the rotation is more surgical in nature, there will be one set of rounds as below. This rounds topic will be scheduled in the same manner as the rounds details above.

3. Association of Shelter Veterinarian (ASV) Veterinary Medical Care Guidelines for Spay-Neuter Programs (for veterinary interns on rotation)
 - The document can be found here: <https://avmajournals.avma.org/doi/pdf/10.2460/javma.249.2.165Jshgfkas>
 - The student will read the document and will discuss ~10 interesting and/or important pieces of information that they learned.

Surgical information for student/interns on rotation:

Some information and materials in this section were adapted with permission from RAVS

In order of priority, the goals of the THS surgical team(s) while there are student(s) on rotation are:

- provide safe and efficient surgeries for the animals in our care
- provide mentored surgical opportunities

We aim to reach these goals while still completing the assigned daily duties and tasks at the shelter.

Student surgical participation will be **determined by 4 factors:**

- 1) health and safety needs of the patient
- 2) the case load and tasks to be completed for that day
- 3) the surgical and teaching comfort level of the attending THS veterinarian
- 4) the student's learning goals and skill level

Ultimately the level of participation for each procedure is determined on a case-by-case basis at the discretion of the attending THS veterinarian working with the student.

It is expected that students will dedicate sufficient time for reviewing relevant surgery information and practicing their surgery techniques and skills prior to the rotation.

Rough surgical time limit guidelines for each surgery ensure teaching does not supersede patient welfare. Surgical time limits are maximums, not goals. It is the responsibility of both the attending THS veterinarian and student to be mindful of the surgery timelines.

Surgical Time Limits:

- Canine Spay: 45 minutes or less
- Canine Neuter: 20 minutes or less
- Feline Spay: 30 minutes or less
- Feline Neuter: 10 minutes or less
- Pediatric surgeries in animals less than 6 months of age should be about half of the above times (thus student involvement maybe less in these cases)
- Other cases: as determined by the attending veterinarian

Procedure limits:

- In stable patients where time allows, students will be given 2 opportunities to perform procedures. For example, 2 attempts to place an IVC in the SAME LEG or 2 attempts to place an ET tube.
- If these attempts are unsuccessful, the RVT or DVM will take over

Expedited Cases: There will be cases considered non-teaching (no active student participation other than observation), either due to patient health status and/or due to caseload timing. A teaching case may be converted to a non-teaching case if patient status changes under anaesthesia or the patient's surgical status is requiring a lengthier surgical time due to intra-operative challenges or complications.

In order to meet our goals and timelines as indicated above the following steps should be taken by the student and the THS attending veterinarian in the morning of your scheduled surgery day:

- Discuss the student's previous placements, experience and comfort level
- Together estimate which of the colour coded levels the student would fall into (GREEN, BLUE or BLACK)
- Decide on 3-5 specific learning goals both for surgery and aesthetic for the day based on the case load, surgery schedule and the student's skills and experience
 - o Common surgical goal examples may include:
 - Using a spay hook to locate the uterus
 - Performing millers knot(s)
 - Improving incision placement
 - Placing a tattoo
 - Improving intradermal skin closure
 - o Below is a more extensive list of common surgical skills that could be potential goals
- Ahead of each surgical case, the student and the THS attending veterinarian should
 - o Discuss the case specific aesthetic protocol and considerations
 - o Discuss specific induction and recovery considerations
 - o Discuss possible complications and how one would address them
 - o The student should verbally walk through the entire surgery with the veterinarian
 - i.e. First I will make a skin incision in the middle third of the ventral abdomen between the pubis and umbilicus. Then I will bluntly dissect the SQ tissue to expose the linea. etc

Active Observer (Level 1 - GREEN)

- Feline Neuter: manipulate testicles into scrotum, apply tension on skin, incise scrotum over testicle, exteriorize testicle and spermatic cord and remove fascia, use blade to cut spermatic cord against clamp, (DVM performs ligation), tattoo
- Canine Neuter: manipulate testicle in pre-scrotal position, apply tension on skin, incise skin over testicle, exteriorize testicle and spermatic cord and remove fascia, place and remove clamps from spermatic cord, use blade to cut spermatic cord against clamps, cut suture (DVM ligates/sutures), tattoo
- Feline or Canine Spay: skin incision, blunt and sharp dissection of subcutaneous tissue, identify linea alba, practice tenting up the linea (vet enters abdomen), palpate inside abdomen through incision, use spay hook on right side of patient to retrieve uterus, palpate suspensory ligament (vet stretches or breaks down), place and remove clamps, use blade to cut tissue against clamps, cut suture (DVM ligates/sutures), tattoo

Assistant Surgeon (Level 2 - BLUE)

- Blue Learning Goals = Green level skills PLUS:
- Feline Neuter: Perform figure 8 knot
- Canine Neuter: place 1 of 2 ligatures on spermatic cords, suture subcutaneous tissue & skin
- Feline Spay or Canine Spay: place 1 of 2 ligatures at each location, suture subcutaneous tissue & skin

Mentored Surgeon (Level 3 - BLACK)

- Black Learning Goals = Green and Blue level skills, PLUS:
- Start procedure at beginning & work for defined time
- Start procedure at halfway point & work for defined time
- Focus on challenging parts of procedure - Exteriorize testicle, entering/closing abdomen, suspensories, friable tissue handling
- Place both ligatures on neuters and spays
- Learn high volume techniques with a staff member or other experienced HQHV surgeon

Typically students can expect on a THS rotation placement to be scheduled for 1 surgery day in the main clinic of the shelter and 1 surgery day in the Public Veterinary Service (PVS) spay and neuter clinic (SNC). This is subject to change depending on the shelter scheduling and shelter needs.

Main clinic shelter service:

- range of 3-30 scheduled surgeries depending on the species and type of surgeries and surgeon on staff
- surgeries can include pediatric or adult spays and neuters, enucleations, cystotomies, amputations, FHO, dental surgeries, wound explores/repairs, pyometras etc
- completed on shelter animals

PVS SNC clinic service:

- there are three different clinics that run out of the SNC
 1. High quality high volume (HQHV) straight forward spays and neuters on healthy young cats or dogs under 7 years old
 - a. Typically 10-30 surgeries are scheduled for this clinic/day
 2. High quality low volume (HQLV) spays, neuters, hernia repairs, cryptorchid neuters on animals that could be older than 7 and/or under or overweight, typically surgeries that are declined from the HQHV clinic
 - a. Typically 3-10 surgeries are scheduled for this clinic/day
 3. Dental surgeries ranging from COHAT 1-5
 - a. Typically 1-3 surgeries are scheduled for this clinic/day
- Trap neuter return (TNR) cat surgeries are also completed at the end of the day in one of the three clinics as needed
- surgeries are performed on public owned animals thus obtaining informed owner consent is critical
- on the consent forms that the owner's fill out in the morning of the surgery, there are checkboxes for the owner to initial
- one checkbox indicates that they consent to a student or intern completing or assisting in the surgery under supervision of a THS veterinarian
- this checkbox MUST be initialed for a student to participate with the surgery (other than observing)
- this responsibility to obtain informed consent maybe delegated to the student

Toxicology

| | |
|------------------|--|
| ROTATION CODE: | TOX |
| INSTRUCTORS: | Dr. Barry Blakley, Dr. Vanessa Cowan |
| PREREQUISITES: | Successful completion of VBMS 334 |
| DURATION: | 2 weeks |
| TIMING: | Week 1-2 August 28, 2023 – September 10, 2023 * A student may only take this rotation once |
| STUDENT NUMBERS: | A maximum of 5 students. |
| DESCRIPTION: | <p>This course in veterinary toxicology will be presented from diagnostic and clinical perspectives. Objectives will include recognizing toxicology problems and developing investigative strategies to solve disease problems. Course activities will include: daily review and discussion of cases submitted to Prairie Diagnostic Services with toxicological and nutritional implications in all animal species. In addition, students will be presented with a series of cases with potential toxicological significance and asked to develop a diagnostic plan that may include history, analytical testing, therapy prevention, differential diagnosis with nutritional and toxicological relevance. Regulatory and perhaps legal implications will also be included if appropriate.</p> <p>Evaluation will be based on class participation, demonstrated problem solving abilities and preparation and presentation of diagnostic plans.</p> |

Tri Lake Animal Hospital & Referral Centre

ROTATION CODE: TRIL, TRIL13

INSTRUCTORS: Dr. Heather Gordon and Dr. Serena Caunce

DURATION: 2 weeks

TIMING: S13-14 July 17-30, 2023
15-16 Dec 4-17, 2023
31-32 Apr 8-21, 2024
* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: VCA Canada Tri Lake Animal Hospital & Referral Centre is a growing hybrid practice situated in the heart of the beautiful Okanagan Valley, serving the Interior of British Columbia for over 35 years. The hospital houses a bustling general practice with a healthy case load of exotic patients and an expanding set of specialty services. Currently, there is no exotic specialist at the practice. However, Dr. Linda Kaplan as provided exotic services to the area for the past 30 years. Now, with three doctors seeing exotic species, Tri Lake attends to the majority of avian, reptile, and pocket pet owners within a 5-hour radius of the hospital.

The hospital is a 16,500 sq ft purpose-built facility with eight exam rooms, spacious treatment floor, well-equipped in-house lab, four ORs, separate Dental suite, Philips Affiniti 70 Ultrasound unit, Aquilion 64-slice CT scanner, and Sound SmartDR+Csl.

Students with an interest in exotics, urgent care, and general small animal practice will receive a varied experience at Tri Lake Animal Hospital & Referral Centre! The goals are:

1. For final year veterinary students to gain exposure to and increase confidence with small animal general practice
2. To foster the student's interest in exotic pet species including urgent care cases

Expectations: Specific clinical interests by the student should be expressed prior to the rotation; a short case presentation will be required by the student towards the end of the rotation

| | | | | |
|---------------|--------|--------------------|----------------|------------------------|
| Hours: | WEEK 1 | Monday – Friday | 8:30 – 5:00pm | determined by caseload |
| | WEEK 2 | Tuesday – Saturday | 1:00 – 10:00pm | |

Use of social media is not permitted during rotation hours.

Attire: Extern's own surgical scrubs AND lab coat Housing: Not provided Travel: Students are expected to arrange their own means of transport to the practice

CONTACT: **Monica Stiller**
General Manager
(250) 766-6692
monica.stiller@vca.com | vcacanada.com/trilake

Trinity Hills 24 Hour Pet Hospital

ROTATION CODE: TH24

INSTRUCTORS: Dr. Heather Suttie, DVM, CCRP
Dr. Sheri Clarkson, DVM, DACVIM (SAIM)
ER doctors who are working at this time

DURATION: 2 weeks

TIMING: 3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023

* A student may take this rotation only once.

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: Trinity Hills 24 Hour Pet Hospital is a small animal emergency hospital located in west Calgary. The aim of this program is to provide students a comprehensive hands on emergency medicine experience in a privately owned, fast paced ER hospital. There is a heavy soft tissue, internal medicine and reproductive caseload. Students will take an active role in all aspects of case management. There will be one rounds session discussing a topic of the student's choice that is a common ER case. There is an internal medicine specialist with a strong caseload and opportunity to develop skills in this area as well.

Objectives of the rotation:

Students will be exposed to a varied caseload and further develop skills related to small animal emergency medicine. Students will be expected to take a history, perform a physical exam, create a problem list and differential diagnoses. Students will collaborate with their supervisor on all cases to develop treatment plans and carry out procedures as indicated. Students will understand when diagnostic tests are indicated and interpret and discuss results with their supervising DVM. Assist and where appropriate independently perform basic surgical procedures. Develop a comfort level with the basics of canine reproduction reproductive emergencies. Emphasis will be placed on management of hospitalized patients including but not limited to fluid therapy, pain control and nutritional support. Students will spend a day shadowing our internal medicine specialist and gain experience with CT, diagnostic ultrasound and management of common IM cases.

Skills to perform:

- Thoracocentesis
- Abdominocentesis
- Chest tube placement (cadaver)
- Approach to pericardiocentesis
- Placement of nasogastric feeding tube
- Deobstruct male cat
- Pass orogastric tube
- Retrieve fetus from gravid uterus via C-section and remove the placenta afterwards
- Resuscitate neonates after delivery via C-section

Work hours:

Week 1: Monday: 8am – 6pm, Tuesday 8am – 6pm, Wednesday – Off, Thursday - Saturday: 2pm – 12am. Sunday – Off.

Week 2: Monday: 8am – 6pm (Internal medicine), Tuesday 8am – 6pm, Wednesday – Off, Thursday – Saturday: 2pm – 12am. Sunday – Off.

Students can ask to be called in for certain cases if they wish outside of their assigned hours.

Attire: solid color top and bottom, the staff wear black but is not necessary.

Housing: One student able to stay in Heather’s spare bedroom 15 min away from the hospital. Other housing options with staff may be available as well.

Travel: Transit is not great to the hospital, would require own vehicle. Could carpool occasionally.

Use of social media during work hours or taking photos of the patients without owner permission is strictly prohibited.

CONTACT:

Dr. Heather Suttie

(403) 510-6584

DrHSuttie@thph.ca

Secondary contact:

Dr. Sheri Clarkson

DrSClarkson@thph.ca

Hospital phone number: (403) 233-2888 (24/7)

Tuxedo Animal Hospital

ROTATION CODE: TUX, TUX1, TUX2, TUX3, TUX4, TUX5, TUX6, TUX7, TUX8, TUX9

INSTRUCTORS: Dr. Patricia Dorval

DURATION: 2 weeks

TIMING:

- S1 – 2 April 24, 2023 – May 7, 2023
- S3 – 4 May 8, 2023 – May 22, 2023
- S5 – 6 May 23, 2023 – June 4, 2023
- S7 – 8 June 5, 2023 – June 18, 2023
- S9 – 10 June 19, 2023 – July 2, 2023
- S11 – 12 July 3, 2023 – July 16, 2023
- S13 – 14 July 17, 2023 – July 30, 2023
- S15 – 16 July 31, 2023 – August 13, 2023
- S17 – 18 August 14, 2023 – August 27, 2023
- 1 – 2 August 28, 2023 – September 10, 2023
- 3 – 4 September 11, 2023 – September 24, 2023
- 11 – 12 November 6, 2023 – November 19, 2023
- 15 – 16 December 4, 2023 – December 17, 2023
- 17 – 18 January 2, 2024 - January 14, 2024
- 19 – 20 January 15, 2024 – January 28, 2024
- 21 – 22 January 29, 2024 – February 11, 2024
- 23 – 24 February 12, 2024 – February 23 (6PM), 2024
- 25 – 26 February 27, 2024 - March 10, 2024
- 27 – 28 March 11, 2024 – March 24, 2024
- 29 – 30 March 25, 2024 – April 7, 2024
- 31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: We are a small animal practice with an amazing team who are great at mentoring. Students would be assisting the doctors in appointments and in surgeries.

Our hours currently are Monday 8am - 6pm, Tuesday - Thursday 7:30am - 7pm, Friday 8am - 6pm and Saturdays 8am - 2pm. Closed on Sundays.

Attire: business casual or surgical scrub tops.

Housing: We do not provide housing but since we are close to the airport there are lots of hotels to stay at.

Travel: We do have bus routes to the clinic as well.

CONTACT: **Christal Linfitt**
Practice Manager
christal@tuxedoanimalhospital.com
(204) 488-1843

UCVM Basic Techniques in Small Animal Dentistry and Anesthesia

ROTATION CODE: SADA

INSTRUCTORS: Dr. Donszelmann and Dr. Daniel Pang

DURATION: 2 weeks

TIMING: 5-6 September 25, 2023 – October 9, 2023
31-32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 3 students per rotation

DESCRIPTION: The diagnostic and treatment procedures in this rotation are intended to develop clinical competence and confidence as an entry-level veterinary practitioner as well as to introduce the skills, knowledge, and equipment available in the industry. Students will become more confident and gain experience in performing small animal anesthesia and dentistry.

The rotation involves a combination of lecture, discussions, cadaver laboratories, and live animal cases. The anesthesia portions of the rotation are taught by Dr. Pang (Anesthesiologist) and the dentistry portion is taught by Dr. Donszelmann (General Practitioner). The U of Illinois Dentistry modules are utilized for this course and some pre-study of them is required.

Travel and Accommodation:

Rotation is located within Calgary at the UCVM Clinical Skills Building.

Hours of work and expectations for on-call:

Generally the rotation starts at 8:30am and goes to 4:30 pm, however the hours will vary somewhat on live animal lab days. On those days, we often start as early as 7:30am and occasionally finish at 6:00pm. On live animal laboratory days students are expected to do post-op care, evening, and early morning checks of their recovering patients (this may involve a Saturday morning). There are generally three live animal days during the rotation.

UCVM Equine Dentistry

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|------------------|--|
| ROTATION CODE: | UCEQD |
| INSTRUCTORS: | Dr. Donszelmann |
| DURATION: | 2 weeks |
| TIMING: | S9-10 June 19-30, 2023 |
| STUDENT NUMBERS: | 2 students per rotation |
| DESCRIPTION: | <p>The diagnostic and treatment procedures in this rotation are intended to develop clinical competence and confidence as an entry-level equine veterinary practitioner as well as to introduce the skills, knowledge, and equipment available in the industry. Students will become confident and gain experience in performing routine equine dental procedures as well as local anesthesia blocks, neuroleptanalgesia, minor extractions, and dental radiography for dental procedures.</p> |

This rotation usually involves the group performing equine dentistry in the field in a community service capacity for horses which otherwise do not receive routine dental care.

Travel and Accommodation:

Rotation is mostly located within Calgary at the CSB and nearby field locations. Occasionally the rotation requires spending 1-2 nights away from Calgary (in those cases accommodation and one meal/groceries will be provided).

Normally University vehicles are used for driving to field work locations. It is important that at least 4 students from the rotation group are able to provide Driver's abstracts to the University of Calgary in order to register to drive for the rotation. Because we are driving long distances after a physically arduous and demanding day in the field, it is important that students share driving duties in order to give each other a break.

Hours of work and expectations for on-call:

There is no on-call expectation for this rotation. CSB days of lecture, lab, and case discussion will generally start at 8:30am and end by 4:30pm. There are generally 4-5 days in the CSB for this rotation.

Field days can be much longer due to driving requirements and the number of cases seen whilst in the field location. For some field locations we may need to leave the CSB as early as 6:00am and return by 8:00pm and vehicles might need to be restocked with supplies for the following day in the field.

UCVM Equine Lameness

ROTATION CODE: UCEQL

INSTRUCTORS: Dr. Romero

DURATION: 2 weeks

TIMING: S5 - 6 May 22 - June 2, 2023

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: This 2-week student-centered elective rotation will be offered at the Clinical Skills Building and will focus on the assessment, diagnosis, treatment of lameness in the horse. Each student will have primary responsibility for the full lameness workup, including diagnostics and treatment, of one horse. "Purpose acquired teaching" horses will be used during this rotation, giving students the opportunity to work at their own pace and to practice a wide variety of diagnostic and therapeutic techniques. Additional expectations include a presentation pertaining to lameness, and final presentation of case rounds.

Expected outcomes:

The intent is for the students to develop the necessary skills to become competent in basic lameness diagnosis and management in horses.

Details of the rotation:

The first week of this rotation will be a comprehensive review of clinical lameness diagnostics, regional anesthesia and joint injection techniques as well as diagnostic imaging skills (including ultrasound, and radiography). Alternative imaging and treatment modalities will be discussed and incorporated where appropriate (shockwave, hydrotherapy, mesotherapy, acupuncture, chiropractic, etc.). Digital lameness diagnostic aids will be incorporated (lameness locator). Clinical anatomy and physical examination techniques will be emphasized. In the second week of this rotation students will be given live horses with actual clinical lameness problems. They will be asked to work independently to diagnose the lameness condition in their horse. They will be given free access to diagnostic materials and instructor input/advice. The emphasis will be on the student performing the diagnostic tests and interpreting them by themselves (accessing and consulting the literature as needed). The instructor and the student will then devise a treatment plan, which may include such treatments a shoeing, joint injections, arthroscopy, etc. Treatments will be implemented on individual cases as required for therapy and teaching purposes being mindful of the limitations of the course budget and the overall learning experience to be gained. This rotation will include some medical report writing and a brief case presentation to the group.

Travel and Accommodation: Rotation will take place at the Clinical Skills Building

Hours of work and expectations for on-call:

8am – 5pm on weekdays. There will be no requirement for on call, but students may be required to check on the animals involved on the weekend, if needed.

Valley Vet Clinic – Bigland, Labrador

ROTATION CODE: VAL, VAL1, VAL2

INSTRUCTORS: Dr. Rebecca Jackson

DURATION: 2 weeks

TIMING: S5 – 6 May 23, 2023 – June 4, 2023
S15 – 16 July 31, 2023 - August 13, 2023
5 – 6 September 25, 2023 – October 9, 2023
13 – 14 November 20, 2023 – December 3, 2023
15 – 16 December 4, 2023 – December 17, 2023
31 – 32 April 8, 2024 – April 21, 2024
* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Valley Vet Clinic is a general practice located in the Bigland, Labrador. Our clinic is a single vet practice that covers a wide service area which presents unique challenges and real-world experiences. Students will have an opportunity to do solo elective surgeries on SPCA animals, assist in non-elective surgeries including dental procedures, perform routine exams and vaccinations on shelter animals and assist with exams, diagnostics and case management of client owned animals. Your experience can be customized to include a TNR day for feral cats on the south coast, a vaccine clinic in Sheshatshui (local Innu Reserve), and dog sledding/sled dog care (Weeks 31-32).

Expectation: Monday-Friday 8-5 with after hour call in possible. Weekend travel for remote services or cultural experiences.

Examples of activities during specific times of the year:

S5 – 6 May 23, 2023 – June 4, 2023

TNR day for feral cats on the south coast

The cat sanctuary takes 6-8 hours of travel each way but we leave on a Friday afternoon and drive back after supper Sunday. Planning supplies for the trip can be part of the experience as well. The sanctuary owners have a hotel so that is covered, and we carpool so will be no additional travel expenses for student. Meals taken care of as well.

S15 – 16 July 31, 2023 - August 13, 2023

In August, our clinic does a Dog Wash fundraiser for our shelter on the 13th, there is a regatta weekend August 1st, a beach festival and Pride in the Park the weekend in between so there are lots of activities to participate in on the weekends these blocks. There will be a workday trip to Sheshatshui (local Innu Reserve.) We see lots of parvo that time of year as well.

31 – 32 April 8, 2024 – April 21, 2024

Dog sledding/sled dog care rotation (and ice fishing!)

Attire: surgical scrubs

Housing provided at offsite apartment. Vehicle can be provided as well (valid license required) Travel to Labrador required at students expense.

CONTACT: To find out more about this rotation, and/or what activities you will be participating in during certain rotation blocks, contact:

Dr. Rebecca Jackson at 709-896-2627 valleyvet2627@gmail.com

Dermatology – Vet DERM Clinic, BC

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|----------------|---|
| ROTATION CODE: | DERMREF, DERMREF13 |
| INSTRUCTOR: | Dr. Jangi Bajwa |
| DURATION: | 2 weeks |
| TIMING: | S13 – 14 July 17-30, 2023 13 – 14 Nov 20 - Dec 3, 2023 15 – 16 Dec 4-17, 2023 17 – 18 Jan 2-14, 2024 19 – 20 Jan 15-28, 2024 23 – 24 Feb 12-23, 2024 |

* A student may take this rotation only once.

STUDENT NUMBERS: 2 students per rotation.

DESCRIPTION: This is a clinical dermatology rotation where referral and non-referral small animal dermatology cases are examined by each of the students on the rotation. The goal of the rotation is to provide you with an opportunity to apply your knowledge and develop your skills in the discipline of dermatology while gaining clinical experience with the workup and management of dermatological conditions in dogs and cats. Please review your notes from past lectures in Dermatology before the start of the rotation.

Learning Objectives

- To become competent in collecting a complete general and dermatologic focused history from the client.
- To become competent in performing a thorough general physical examination and a focused dermatologic examination (including an otic examination) recognizing significant abnormalities. You should be able to provide a morphological description of the lesions and their distribution.
- To be able to take identified abnormalities and formulate a list of common differential diagnoses and diagnostic plan to determine the diagnosis.
- To be able to identify common and important dermatological conditions in dogs and cats observed in general practice including infectious skin diseases (bacterial, fungal and parasitic), otitis externa/media, allergic skin disease, skin manifestations of endocrine disease, allergic and immune-mediated skin diseases.
- To be able to perform basic diagnostics commonly performed on dermatologic cases (e.g. impression cytology, skin scrapings, dermatophyte cultures, direct hair exams, bacterial culture, skin biopsy and the clinical diagnosis of atopic dermatitis.) as well as otoscopic evaluations.
- To be able to formulate a reasonable therapeutic plan for the management of common and important dermatologic conditions observed in general practice and justify why you chose that plan.
- To build competency in communicating with clients and within a professional team (colleagues, clinician and animal technologist, and staff), including efficient time management.

- To develop an awareness of the cases which can be effectively managed in general practice and those that would be best served by referral to a specialist.

Orientation: Orientation will be held at 8:00 on the first day of the rotation.

Dress: For the rotation, you should wear professional attire appropriate to interacting with clients.

Rounds: Rounds will be scheduled at the beginning of the rotation and include morning rounds, journal club and end of rotation presentations.

1. Morning rounds will generally be an in-depth discussion of specific topics. You should read-up on the topic in advance to make sure you come prepared to join the discussion. Rounds may also be held at the end of the day to discuss the day's cases and plan for the next day. This will depend on the caseload.
2. End of rotation rounds: you will be asked to prepare and present on one dermatological topic (typically during the second week of rotation). Please select and discuss your topic with the instructor by the first Wednesday of the rotation.
3. Weekly Journal club will be held on Wednesdays and students will be expected to review the selected articles and be able to discuss them at the sessions.

Otoscopy training: Hands on practice on detailed hand held otoscopic evaluation of patients will be organized throughout the rotation. Prepare by reading on ear anatomy, important landmarks and techniques of otoscopic examination. Students are encouraged to perform handheld otoscopy practice on all sedated/anesthetized patients during the rotation. In the second week of rotation, guided hand held & video otoscopy can be pursued on awake patients, where possible.

Appointment schedule: Appointments are typically one hour in length. Appointments will be assigned the day before to allow you to review the case record or any referral information and read up on the case in advance.

General:

1. Appointments are scheduled for 30-60 minutes with one student assigned to each case. Cases assignments will ideally be done the day before so to provide time to research the case if needed. It is assigned student's responsibility to begin the appointment at the scheduled time, introduce themselves to the client, collect the history, and perform the physical examination. Try to complete this component in the first 5-15 minutes so you will have time to formulate your diagnostic plan and discuss it with the clinician before they must complete their component of the appointment. Avoid discussing your plan with the client as it may change after discussion with the clinician. The clinician and other students (as available) will then meet with the client, examine the patient, and present the plan and estimate to the client. Ideally, the assigned student will enter information into the medical record during this part of the appointment but it is their responsibility to ensure it is completed by the end of the day. It is very important for the service that the appointments run on time so use your time efficiently. If you are observing a consultation when your appointment is scheduled to begin, please excuse yourself, and begin your assigned appointment at the scheduled time.

2. In hospital patients: Students are responsible for the treatments and maintaining the medical records on any hospitalized patients or patients spending the day at the clinic for procedures. Each patient should be discharged with written discharge notes. Generally the referring veterinarian will be called and a referral letter should go to the referring veterinarian within 24 hours of discharge (unless additional test results are pending).
3. If communicating with clients, ensure each communication is summarized in the communication section of the medical record.

Veterinary Infectious Diseases

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|------------------|--|
| ROTATION CODE: | CLM |
| INSTRUCTORS: | Dr. J. Rubin |
| DURATION: | 2 weeks |
| TIMING: | 21 – 22 January 29, 2024 – February 11, 2024 |
| STUDENT NUMBERS: | 2-12 students per rotation |
| DESCRIPTION: | <p>Infectious disease is the most exciting and quickly evolving discipline in the medical sciences. From anti-vaxxers to Ebola outbreaks, antimicrobial resistance to whole genome sequencing professionals working in infectious diseases strive to apply evidence-based solutions to contemporary ‘wicked-problems’ in individuals and populations. Veterinary infectious disease lies at the intersection of microbiology and laboratory medicine, clinical pharmacology, internal medicine, epidemiology and public health and is much more than just the “ologies”!</p> <p>In this rotation we will cover laboratory diagnostic methods and how to interpret results, diagnostic processes including sample selection and submission, anti-infective pharmaceuticals, antimicrobial stewardship, vaccines and disease prevention, infection control, outbreak investigation and imported and foreign animal diseases. This rotation is divided into lecture + discussion (mornings) and laboratory + case studies (afternoons).</p> <p>The objective of this rotation is to review the fundamental concepts and develop a toolset required for the evidence-based diagnosis, treatment, and management of infectious diseases in animals.</p> |

Virден Animal Hospital

ROTATION CODE: VIR
INSTRUCTORS: Dr. N. Wohlgemuth
DURATION: 2 weeks
TIMING: Pre-draft application procedure

October 23 – November 5
November 20 – December 3
February 27 – March 10
March 25 – April 7

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: The Virден Animal Hospital is a busy mixed animal 7 veterinarian practice located in Virден, Manitoba. Our practice is 55% Bovine, 35% Small animal and 10% Equine. Our bovine practice is mainly cow/calf. Students will primarily spend each day with a bovine veterinarian.

In the fall weeks, students will mainly be pregnancy checking beef cow herds with the veterinarian. Our clinic used ReproScan Ultrasounds for pregnancy diagnosis. In the months of October, November and December each bovine veterinarian in our clinic is typically preg checking 1000-1500 beef cows a week. Students should bring warm cloths for preg checking on farms as the days in late November/December can be cold!

For students that take the rotation in the spring they can expect to do Bovine obstetrics (malpresentations, c-sections, prolapsed uteruses and vaginas), semen testing and neonatal cases. Over 95% of our obstetrical and neonatal cases are done in clinic. Semen testing is about 50/50 in clinic and on farm.

In both the fall and spring weeks the students will also have the opportunity to participate in some equine or small animal cases at our clinic if bovine has a quiet day.

Our clinic provides 24/7 emergency services for both large and small animal. The students are encouraged to be available to the veterinarians after hours to enhance their experience at our clinic.

Accommodations can be provided.

Application: Interested applicants must submit a Letter of Intent and a CV addressed to Dr. Nadine Wohlgemuth to wcv.m.curriculum@usask.ca

Wellness and Preventative Medicine

ROTATION CODE: WPM

INSTRUCTORS: Dr. Karen Sheehan and Dr. Dayle Borchardt

DURATION: 2 weeks

TIMING:

- 1 – 2 August 28, 2023 – September 10, 2023
- 3 – 4 September 11, 2023 – September 24, 2023
- 5 – 6 September 25, 2023 – October 9, 2023
- 7 – 8 October 10, 2023 – October 22, 2023
- 9 – 10 October 23, 2023 – November 5, 2023
- 11 – 12 November 6, 2023 – November 19, 2023
- 13 – 14 November 20, 2023 – December 3, 2023
- 15 – 16 December 4, 2023 – December 17, 2023
- 17 – 18 January 2, 2024 – January 14, 2024
- 19 – 20 January 15, 2024 – January 28, 2024
- 21 – 22 January 29, 2024 – February 11, 2024
- 23 – 24 February 12, 2024 – February 23 (6PM), 2024
- 25 – 26 February 27, 2024 – March 10, 2024
- 27 – 28 March 11, 2024 – March 24, 2024
- 29 – 30 March 25, 2024 – April 7, 2024
- 31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 2-4 students per rotation

DESCRIPTION: Objectives: To provide students with a solid foundation in wellness and preventive medicine in preparation for their entry into small animal general practice. Daily activities will involve seeing wellness and primary care medical appointments in the VMC, case-based topic rounds and discussions and student presentations. Communication skills, thoroughness in history taking and physical examination, and clinical efficiency will be stressed. Students will focus on their role as service provider to the client in order to learn the importance of high quality service in a successful veterinary practice.

Tentative rotation hours will be as follows:

Mondays: 8:30am to 5:00pm (second Monday of the rotation off in exchange for first Saturday if Saturday is a vaccination clinic)

Tuesdays: 8:30am to 5:00pm

Wednesdays: 8:30 am to 5:00 pm

Thursdays: 8:30am to 5:00pm

Fridays: 8:30am to 5:00pm

Saturdays (first Saturday of rotation only): 8:00am to 5:00pm

There will be no on-call or after hours duties outside of these times.

Familiarity with the VMC vaccination protocols is essential. Students should also know which parasite control products are available through the VMC Pharmacy. Attending this rotation with questions about general practice status quo is encouraged as controversies and debates surrounding conventionally accepted practices in the area of wellness (i.e., vaccines, deworming, nutrition, pet welfare, puppy and kitten wellness, behaviour problems, etc.) will be discussed.

Evaluation will be based upon assessment of clinical and communication skills, participation in rounds, quality of student presentations, attitude (willingness to learn and active participation in all aspects of the rotation), evidence of improvement throughout the course of the rotation and the ability of the student to build rapport with clients.

On completion of the rotation, students should be comfortable conducting wellness consultations, proficient in physical examination and history taking skills, and comfortable fielding questions from clients about routine preventive health care programs and screening tools.

Goals:

1. To understand the importance of wellness and preventive medicine as they relate to the development and maintenance of a sustainable client base in general practice
2. To improve communication skills to optimize client interactions and history taking
3. To develop and improve clinical efficiency while maintaining a high standard of relationship-centered care
4. To become aware of the controversies surrounding conventional wellness and preventive veterinary medicine and to learn how to critically evaluate available biologics and pharmaceutical products and their alternatives
5. To gain a foundation in the clinical application of small animal nutrition and how to discuss diet-related issues with clients
6. To understand the veterinarian's role as an animal welfare advocate
7. To understand the veterinarian's role in fostering and supporting the human animal bond
8. To understand the concept of 'One Health' and what we can do to support the interface of human and animal health in our communities
9. To promote a focus on the tools required for successful longevity in the profession; fostering mental health, boundaries, resilience, and moral stresses.
10. To facilitate connection with former graduates to provide genuine insight into the transition to practice including career path, job search, contract negotiation, and the adjustment from student to clinician.

Western Veterinary Specialists & Emergency Centre- Small Animal Emergency & Critical Care

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| ROTATION CODE: | WEST |
| INSTRUCTOR: | Dr. Valerie Madden, DVM, DACVECC, Dr. Laura Osborne, DVM, DACVECC, Dr. Clare Hyatt, DVM, DACVECC, Dr. James Lange DVM, ECC Resident |
| DURATION: | 2 weeks |
| TIMING: | 7 – 8 October 10, 2023 – October 22, 2023 13 – 14 November 20, 2023 – December 3, 2023 17 – 18 January 2, 2024 – January 14, 2024 |
| STUDENT NUMBERS: | 2 students per rotation |
| DESCRIPTION: | <p>This rotation is an advanced small animal rotation focusing on emergency and critical care medicine but will integrate your knowledge of medicine, surgery, ophthalmology, neurology, cardiology and anesthesia. Our goal is to introduce you to all aspects of emergency practice so there will be a variety of shifts that you will rotation through – days, evenings and weekends.</p> |

The **emergency service** is responsible for seeing cases directly as they present to the clinic. The shifts will range from days and evenings and occur during weekdays and weekends. The types of cases of cases will vary from day to day as you would expect with any emergency room.

Your responsibility will be to:

1. triage cases as they come in (stable vs unstable, prioritize cases if multiple cases are present)
2. obtain the history
3. perform your physical examination
4. perform point of care thoracic and abdominal ultrasound
5. create your problem list and associated differential list
6. create diagnostic and treatment recommendation
7. reassess hospitalized patients

The **critical care service** specializes in complicated hospitalized ICU cases so you will have the opportunity to learn about:

- advanced monitoring procedures
- constant rate infusions
- central/sampling lines/chest tubes/catheters/feeding tubes
- therapeutic plasma exchange
- oxygen therapy +/- mechanical ventilation
- veterinary ambulance transport
- multimodal analgesia
- management of a variety of critical illnesses
- CPR

The criticalists will also perform rechecks and consultations from referring veterinarians and pick up transfers from other services within the hospital (including the emergency service). As their student, you will be discussing the intricacies of

each case and working your way through management of diseases processes such as (but not limited to) pneumonia, congestive heart failure, sepsis, toxin ingestion, pancreatitis and polytrauma. The hours will be 7:00am-5:00pm. We have 7 days a week critical care service; the student will participate in a 5 day week rotation on the critical care service.

In addition to the shifts, there will be **a project**. This project will be a power point presentation on a critical care topic of your choice, that you will develop and present to the criticalists. This project will allow the student to develop their knowledge on a particular subject, as well as to enhance their presentation and public speaking skillset.

Goal(s) of rotation: To gain better understanding of how to triage, diagnose and manage emergency cases, while working on increasing efficiency and time management. Expose the student to advanced level care in a small animal ICU setting.

Details of the rotation (including caseload, personnel, policies, pre-requisites, insurance requirements, expectations, assignments, extra costs involved, evaluation)

You will be working with multiple veterinarians. Every veterinarian you train with will have an opportunity to grade you and the weight of their mark will depend on the duration you spend with them.

Each veterinarian will approach the teaching differently, just as each student learns in a different way, so the day to day expectation will vary from individual to individual.

Travel and Accommodation:

Special arrangements are not applicable. Students will be expected to arrange their own transportation to Western Veterinary Specialist Emergency Centre. You can park in our parking lot while here.

Hours of work and expectations for on-call:

There will be day shifts, evening shifts, weekday shifts and weekend shifts. A schedule will be provided to the student when they select this rotation.

* A student may take this rotation only once

CONTACT:

Dr. Laura Osborne
laura.osborne@vca.com
(403) 770-1340

Western Veterinary Specialists & Emergency Centre - Small Animal Internal Medicine Rotation

ROTATION CODE: WEST-IM, WEST-IM1, WEST-IM2, WEST-IM3, WEST-IM4, WEST-IM5

INSTRUCTORS: Dr. Amelie Pare

DURATION: 2 weeks

TIMING: S1 – 2 April 24, 2023 to May 7, 2023
S3 – 4 May 8, 2023 to May 22, 2023
S11 – 12 July 3, 2023 to July 16, 2023
S13 – 14 July 17, 2023 to July 30, 2023
S15 – 16 July 31, 2023 to August 13, 2023
23 – 24 February 12, 2024 – February 23 (6PM), 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 1-2 students per rotation

DESCRIPTION: This rotation is an advanced small animal rotation focusing on internal medicine. The rotation will be from Tuesday to Friday. The day typically starts around 8 am and finishes around 6 pm, though this can vary on a day-to-day basis. Some days will be filled with consultations (2-3 new consultations and 2-4 rechecks) and procedures and some days, transfers from the ER service will also occur in the morning. Students are welcomed to join the on-call endoscopy list, but this is not required.

Your responsibility for the consultation will be to:

1. Review the medical file prior to the consultation. Make sure you contact me at least 2 weeks prior to your rotation so that you can receive the proper log-ins.
2. Obtain a succinct and efficient history from the owner as well as perform a physical examination. A maximum of 20 minutes will be given for this.
3. Create your problem list, differential and plan for the patient. You should have worked on this beforehand, at the time of the review of the medical file.
4. Present the case to the clinician and together, we will go and discuss it with the owner.
5. Participate in obtaining the diagnostic samples (blood draw, helping with cystocentesis if indicated, placing IV catheter if required), ensure you follow up on the results and adjust your plan along the way. Our technician team will be evaluating those skills.

The internal medicine service specializes in the more chronic or complicated cases so you will have the opportunity to learn about:

- Endoscopy (gastrointestinal biopsies or foreign body removal, bronchoscopy, cystoscopy)
- Joint taps, voiding hydroretropulsion, bone marrow biopsies depending on the caseload
- Interpreting blood work results and determine which changes are significant
- Management of immune-mediated diseases, diabetes, kidney disease, proteinuria, and other chronic illness

During this rotation, you will be working alongside very experienced technicians that are always happy to teach you and assist you with your physical examination, blood draw, intubation, catheter placement, etc. If the caseload is low, we may ask that you do a presentation on a subject of your choice. Rounds can also be done on subjects of your choice depending on the caseload. Let us know if you have specific goals for the rotation so that we can help you achieve those.

Goal(s) of rotation: This rotation can be extremely busy and efficiency skills will be developed. Working through your differential list while prioritizing the possibility and adapting your plan will also be important. Some clients will have financial concerns and learning where to focus might be required.

Details of the rotation (including caseload, personnel, policies, pre-requisites, insurance requirements, expectations, assignments, extra costs involved, evaluation) You may be working with multiple veterinarians. Every veterinarian you train with will have an opportunity to grade you and the weight of their mark will depend on the duration you spend with them. Each veterinarian will approach the teaching differently, just as each student learns in a different way, so the day-to-day expectation will vary from individual to individual.

Travel and Accommodation: Special arrangements are not applicable. Students will be expected to arrange their own transportation to Western Veterinary Specialist Emergency Centre. You can park in our parking lot located at the back of the building while here.

Hours of work and expectations for on-call: There will be day shifts.

CONTACT:

Dr. Amelie Pare
amelie.pare@vca.com
(403) 770.1340

Radiation Oncology

ROTATION CODE: WESTOnc

INSTRUCTORS: Dr. Katherine Sweet

DURATION: 2 weeks

TIMING: 3 – 4 September 11, 2023 – September 24, 2023
23 – 24 February 12, 2024 – February 23 (6PM), 2024

* A student may take this rotation only once.

STUDENT NUMBERS: maximum of 2 students per rotation

DESCRIPTION: Cancer treatment can take various forms in companion animals. The main objective of this course is for the student to gain exposure to the use of external beam radiation therapy for cancer treatment in companion animals.

Students will be assigned to cases presented to the radiation oncology service for scheduled appointments, ongoing cases, and internal transfers. Depending on the cases presented, possible skills/techniques that may be performed by the student include fine needle aspirates, biopsies, catheter placement, blood collection, and cystocentesis. Radiation treatment planning software will also be introduced. You will be in-volved in all steps of a patient's care at Western Vet.

The student will be responsible for hospitalized cases and outpatients during this course. Duties will include intake and gathering history, physical examination, participation in consultation, diagnostic procedures, treatment planning and delivery, and discharge.

The rotation will include topic rounds relevant to incoming or ongoing cases. Students will also be responsible for rounding on their cases with Dr. Sweet daily.

The evaluation of students will be based on all aspects of their performance in the clinic including patient care, teamwork, client communication, technical skills, and preparedness for rounds.

Westwinds Mobile Veterinary Services: Mixed Animal Practice Prince George, BC

ROTATION CODE: WESTW, WESTW1

INSTRUCTORS: Dr. J. McConnell, Dr. M. Forster

DURATION: 2 weeks

TIMING: S17 – 18 August 14, 2023 – August 27, 2023
1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
11 – 12 November 6, 2023 – November 19, 2023
15 – 16 December 4, 2023 – December 17, 2023
17 – 18 January 2, 2024 - January 14, 2024
19 – 20 January 15, 2024 – January 28, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024
31 – 32 April 8, 2024 – April 21, 2024

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Are you wanting to get more **hands-on** mixed animal practice in a sparkling new vet clinic with awesome/friendly teachers/mentors? Are you hoping to experience higher-level medicine in a semi-rural practice with a bustling caseload? Look no further! Here are some of the skills you can look forward to developing when you are here learning with us (*Please keep in mind that we are willing to alter/adjust your experience based on your interests, feel free to reach out and let us know what you want to see!*):

Equine Wellness, Emergency, Medicine & Surgery

- ✓ Perform a good physical exam on horses
- ✓ Confidently and quickly float a horse (we do several per day!)
- ✓ Consistently give IV and IM injections & place IV catheters
- ✓ Perform and interpret ultrasounds of horse tendons, reproductive tracts, and abdominal contents.
- ✓ Perform Open Castrations (and sometimes hernia repairs, sarcoid surgeries, or more!)
- ✓ Learn to do a lameness exam start to finish! (X-rays, blocks, injections, etc.)
- ✓ Manage colic, chokes, lacerations, and whatever other emergencies we get!
- ✓ Enjoy a mixture of field medicine (roadtrips all over northern B.C.) and in-clinic medicine.

Small Animal Wellness & Surgery

- ✓ Learn how to perform a physical exam, give vaccines, and discuss common questions with owners (ie. Deworming, diet, exercise)
- ✓ Confidently give injections (IV, IM, SC) in cats and dogs
- ✓ Increase your skillset for collecting and interpreting blood from dogs/cats
- ✓ Improve your ability to perform and interpret different imaging modalities (x-ray and ultrasounds).
- ✓ Practice tissue handling skills with cat neuters, laceration repairs, lump removals, and more!

Housing: On-Site Student Housing (entire house) and travel accommodation if on a road-trip.

CONTACT: Please reach out to us if you have any questions or concerns. We are here to support you and are excited to get to work with you. Westwindsvets@gmail.com (250) 617-3210

Wild Rose Cat Clinic – Calgary

ROTATION CODE: FEL

INSTRUCTORS: Dr. Elizabeth Ruelle, DABVP (Feline Practice)

DURATION: 2 weeks

TIMING: 1 – 2 August 28, 2023 – September 10, 2023
5 – 6 September 25, 2023 – October 9, 2023
9 – 10 October 23, 2023 – November 5, 2023
13 – 14 November 20, 2023 – December 3, 2023
19 – 20 January 15, 2024 – January 28, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
27 – 28 March 11, 2024 – March 24, 2024
31 – 32 April 8, 2024 – April 21, 2024
* A student may take this rotation only once.

STUDENT NUMBERS: 1 student per rotation

DESCRIPTION: Now the most popular house pet in North America, the cat is still considered a medically neglected species with less than half of all cats receiving the veterinary care they need. Through initiatives of the AAFP (Cat Friendly Practice) and now with the work of Dr. Liz O'Brien (Cat Healthy Canada) that is all changing. Welcome to the world of cat medicine!

As a feline only practice, students will be immersed in the world of cat medicine. As a general practice with a boarded specialist owner, the focus of this rotation will be on what is most likely to be encountered in small animal clinics but with an approach to medicine worthy of a specialist practice. Our clinic philosophy is on preventive care and treating diseases with the whole patient in mind. Many of our patients are senior and geriatric cats, so managing multiple diseases will be discussed. For more information about Wild Rose Cat Clinic, please check out our websites at www.catmd.ca.

The timing of the rotations for October and/or March was chosen because these are our dental awareness months. These months are typically busy with anesthetics and students can learn about feline dental pathology.

About the instructor: Dr. Liz Ruelle is a 2005 graduate from the University of Veterinary Medicine in Kosice, Slovakia. After graduation, she returned to her home town of Calgary where she started a career in feline medicine. Owner of Wild Rose Cat Clinic since 2009, Dr. Liz obtained her ABVP boards in feline practice in 2012. She is proud to be one of the authors of Cat Health Canada and an advocate for cat health and wellness.

CONTACT: Dr. Elizabeth Ruelle
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Winnipeg Assiniboine Park Zoo – Zoo Practice

ROTATION CODE: WAZ

INSTRUCTORS: Dr. C. Enright

DURATION: 2 weeks

TIMING: 3 – 4 September 11, 2023 – September 24, 2023

5 – 6 September 25, 2023 – October 9, 2023

19 – 20 January 15, 2024 – January 28, 2024

31 – 32 April 8, 2024 – April 21, 2024

* A student may take this rotation only once.

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: Medicine: Students are expected to assist the zoo veterinarians in the delivery of preventative and emergency medicine to the animals of the Assiniboine Park Zoo. Over 1500 individuals of more than 300 species are kept at the zoo. Clinical cases may also be admitted from Wildlife Rehabilitators seeking veterinary care for their charges. A range of medical conditions are seen at the zoo hospital and our patients range in age from neonates to geriatric. Infectious, metabolic, traumatic, and nutritional disease may all be encountered. Externs will be encouraged to develop diagnostic and therapeutic plans for hospital cases under the direction of the veterinarians. As demand requires, routine medical procedures such as anesthesia, physical examinations, vaccinations, blood tests, TB tests, parasitology examinations and treatments may also be performed on clinically healthy members of the zoo population.

Surgery: The Assiniboine Park Zoo maintains a surgical site as well as equipment for field surgery as required. Surgical case load is not heavy at the zoo, but soft tissue and orthopaedic procedures may be encountered. The zoo administers a vasectomy / tubal ligation program for wild raccoons living on site and the student may have opportunities to perform these surgeries.

Pathology: The Assiniboine Park Zoo has a policy to necropsy all deceased zoo animals. The majority of necropsies are performed on site, with a proportion being referred to the provincial diagnostic laboratory. Students will have the opportunity to perform gross pathological examination and interpretation.

Anesthesia: The use of chemical restraint is instrumental in zoo and wildlife medicine. The student will be expected to gain familiarity with anesthetic equipment and drugs used in zoo practice and to assist in hospital and field anesthetics as required.

Evaluation: Students will be graded using the standard WCVI evaluation form. A sound knowledge of domestic animal medicine, surgery and pathology is a good basis for zoo practice and will be expected.

Overview of Experience:

- Tour of the Assiniboine Park Zoo and Hospital
- Introduction to the unique environment of zoo medicine
- Safe work procedures in a zoo environment (ultrapotent opioids, novel and dangerous species, zoonoses etc)
- Discussion of population versus individual medicine in a zoo environment

- Discussion of Zoonoses and vet's responsibility to staff and visitors
- Discussion of vaccination, parasite control and other health promotion strategies
- Case management of select hospitalized animals
- Discussion of quarantine, disinfection and control of infectious disease
- Clinical Pathology diagnostics including fecal exams, urinalysis, skin scrape, and blood work
- Discussion of interpretation and limits of diagnostic tests
- Gross pathological examination and interpretation
- Discussion (and dependent on timing – implementation) of neonate medicine
- Physical examination of avian species, reptile species and mammalian species
- Wildlife emergency medicine
- Discussion of anesthetic drug selection and procedures Introduction to anesthesia, anesthetic monitoring in zoo species
- Trap-vasectomize / tubal ligation-return of raccoon population
- Other surgical experience
- Radiography

Attire: Steel toe boots are required on site and should be disinfected prior to arrival at the zoo. Students may be required to spend periods of time out of doors working on an animal and should have clothing appropriate to the weather conditions. Coveralls should be worn while on site and should be provided by the student. Surgical scrubs are to be worn during surgeries and students should provide their own scrubs.

Hours of Work: Monday to Friday 8:00 – 4:30. Additional evening or weekend treatments or other responsibilities may arise dependent on case load and case requirements.

Recommended Reading: The zoo library contains relevant texts and journal articles and students are encouraged to make use of these resources in case management and management for disease discussions.

Housing: Students are expected to provide their own housing in Winnipeg.

Travel: Students are expected to provide their own means to come to Winnipeg.

CONTACT:

Dr. Chris Enright
cenright@assiniboinepark.ca
 (204) 927-8024

Zoological, Exotic and Wildlife Medicine

ROTATION CODE: ZE1

INSTRUCTORS: Drs. L. Chassang and I. Desprez

DURATION: 2 weeks

TIMING: 1 – 2 August 28, 2023 – September 10, 2023
3 – 4 September 11, 2023 – September 24, 2023
5 – 6 September 25, 2023 – October 9, 2023
7 – 8 October 10, 2023 – October 22, 2023
9 – 10 October 23, 2023 – November 5, 2023
11 – 12 November 6, 2023 – November 19, 2023
13 – 14 November 20, 2023 – December 3, 2023
17 – 18 January 3, 2023 – January 15, 2023
19 – 20 January 15, 2024 – January 28, 2024
21 – 22 January 29, 2024 – February 11, 2024
23 – 24 February 12, 2024 – February 23 (6PM), 2024
25 – 26 February 27, 2024 - March 10, 2024
27 – 28 March 11, 2024 – March 24, 2024
29 – 30 March 25, 2024 – April 7, 2024

STUDENT NUMBERS: 2 students per rotation

DESCRIPTION: Students will participate in the management of clinical cases involving pet birds, ferrets, rabbits, rodents and reptiles. This rotation is based heavily on clinical material, and will vary with the caseload. There is usually an opportunity for students to assist with elective surgery, such as rabbit ovariohysterectomy, orchidectomy as well as with non-elective surgeries. Wild bird patients will be also seen and students will have the opportunity to learn correct handling and management of these species. These patients are also important for the student to learn basic avian anatomy, radiograph interpretation, clinical pathology and disease management, as we often do not have large parrots present for diagnostic work-ups. The wild bird caseload is heaviest in the early fall.

One morning a week will be spent at the Saskatoon Zoo performing preventative medicine procedures and helping provide veterinary services to the zoo.

Each student will be responsible for preparing 1-2 10-minute presentations on a ZEW topic of their choice.

Students will be expected to support the after-hour house officer and will participate in on-call shifts (no overnight) and weekend duties.