



## Course Schedule for Winter 2023

### **ANS 121 OW**

#### **INTRO TO ANIMAL SCIENCE**

Introduces animal science, offering a foundation in breeds, genetics, nutrition, marketing, management, ration formulation and facilities planning.

Instructor:	Location:	Credits:
Porter, Sandra	Web	4.00

Schedule: 1/9/2023-3/24/2023

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### **ANS 143 OA**

#### **ADVANCED HORSE TRAINING**

In this course students will learn the process of taking a horse from a snaffle bit to a finished bridle horse, how to use ranch work to instill a strong foundation on an all-around performance horse and how to market and show a horse in a performance horse sale. Prerequisite: ANS 252.

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: TR 3:00PM-5:20PM 1/9/2023-3/24/2023

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### **ANS 146 OH**

#### **EQUINE TRAINING QUALITY ASSURANCE**

This course is designed to cover Training Quality Assurance industry quality standards and certifications for working on ranches where horsemanship, stockmanship and roping skills are required.

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: 1/9/2023-3/24/2023

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### **ANS 146 OI**

#### **EQUINE TRAINING QUALITY ASSURANCE**

This course is designed to cover Training Quality Assurance industry quality standards and certifications for working on ranches where horsemanship, stockmanship and roping skills are required.

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: 1/9/2023-3/24/2023

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**ANS 150 OA**

**DRIVING & PACKING**

Gain knowledge in preparing a horse to pack and properly train a horse to pull a wagon under a harness.

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: MTWRF 1/23/2023-1/27/2023

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**ANS 152 OA**

**BUILDING AND STABLE MANAGEMENT II**

Covers the practical application of managing an equine facility. Teaches the proper horse handling skills, risk management, and professionalism required to become a herd manager or equine facility director. Prerequisite: ANS 151

Instructor:	Location:	Credits:
Olsen, Cami	Ontario Campus	1.00

Schedule: W 8:00AM-8:50AM 1/9/2023-3/24/2023

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**ANS 182 OA**

**FUNDAMENTALS OF EQUESTRIAN SKILL II**

Teaches the basic fundamentals of horsemanship skills while handling and riding horses. Improves the student's feel, timing, and control while riding up to the lope. Prerequisite: ANS 181, or instructor approval.

Instructor:	Location:	Credits:
Olsen, Cami	Ontario Campus	2.00

Schedule: TR 9:00AM-11:20AM 1/9/2023-3/24/2023

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**ANS 194 OA**

**FENCE WORK**

Introduces horse and rider to the fundamentals of training and competing on a cow horse with an emphasis on fence work.

Instructor:	Location:	Credits:
Olsen, Cami	Ontario Campus	3.00

Schedule: MWF 3:00PM-5:20PM 1/9/2023-3/24/2023

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**ANS 199 OH**

**RANCH SKILLS CERTIFICATION**

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: 1/9/2023-3/24/2023

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**ANS 199 OI**  
RANCH SKILLS CERTIFICATION

Instructor: Location: Credits:  
Black, Wade Ontario Campus 3.00

Schedule: 1/9/2023-3/24/2023

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**ANS 205 OX**  
FOOD ANIMAL HEALTH & DISEASE

Studies food animal (bovine, ovine and swine) physiology and health. Including nutritional, metabolic and reproductive disorders; as well as preventative measures and treatments available.

Instructor: Location: Credits:  
Porter, Sandra Ontario Campus 2.00

Schedule: TR 8:00AM-8:50AM 1/9/2023-3/24/2023

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**ANS 211 OA**  
APPLIED ANIMAL NUTRITION

Covers all aspects of animal nutrition, including analysis of feedstuffs, the anatomy of ruminant and non-ruminant, nutrient metabolism, and the in-depth discussion on the required nutrients (water, protein, lipids, carbohydrates, minerals, and vitamins). Prerequisites: ANS 121 recommended.

Instructor: Location: Credits:  
Porter, Sandra Ontario Campus 3.00

Schedule: MWF 9:00AM-9:50AM 1/9/2023-3/24/2023

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**ANS 211 OB**  
APPLIED ANIMAL NUTRITION

Covers all aspects of animal nutrition, including analysis of feedstuffs, the anatomy of ruminant and non-ruminant, nutrient metabolism, and the in-depth discussion on the required nutrients (water, protein, lipids, carbohydrates, minerals, and vitamins). Prerequisites: ANS 121 recommended.

Instructor: Location: Credits:  
Porter, Sandra Ontario Campus 3.00

Schedule: MWF 1:00PM-1:50PM 1/9/2023-3/24/2023

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**ANS 215 OA**  
BEEF/DAIRY CATTLE PRODUCTION

Covers the history and development of beef cattle, their distribution and adaptation, the types and breeds of beef and dual-purpose cattle, and the fundamental principles of establishing a beef production herd. Discusses cattle, genetics, problems in breeding and feeding, buildings, and

equipment. Course Note: Course requires 22 hours per term, TBA with instructor. Lab hours will be made up in off campus activities

Instructor:	Location:	Credits:
Porter, Sandra	Ontario Campus	3.00

Schedule: TR 2:00PM-3:20PM 1/9/2023-3/24/2023

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**ANS 223 OA**  
**EQUINE BUSINESS & MARKETING**

Examines correct procedures in genetic selection, pedigree and performance. Covers developing a bookkeeping system, and how to market, purchase and evaluate horses according to conformation.

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: TR 8:00AM-9:20AM 1/9/2023-3/24/2023

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**ANS 240 OA**  
**INTRO TO ULTRASOUND TECHNOLOGY**

Presents information on what ultrasound technology is and how it can be used in animal agriculture. Familiarizes students with ultrasound terminology and machine operations. Includes hands-on opportunities for scanning cattle, sheep, and hogs. Course Note: Lab Required

Instructor:	Location:	Credits:
Porter, Sandra	Ontario Campus	2.00

Schedule: T 9:00AM-9:50AM 1/9/2023-3/24/2023

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**ANS 250 OA**  
**INTRO TO MEAT SCIENCE**

Follows market animals (cattle, sheep and swine) from the finishing phase to the meat counter. Includes slaughter, meat grading and evaluation, inspection, structure and composition of muscle, conversion of muscle to meat, microbiology and sanitation, cookery of meat, and nutritive value of meat. Course Note: Lab Required

Instructor:	Location:	Credits:
Porter, Sandra	Ontario Campus	3.00

Schedule: MWF 11:00AM-11:50AM 1/9/2023-3/24/2023

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**ANS 252 OA**  
**COLT STARTING**

This course focuses on applying the knowledge and skill students have received from Intro to Colt Starting to training an un-started horse. The focus of this course will be on safety as students work to meet the industry colt starting standard in training an un-started horse for the public.

Prerequisite: ANS 251

Instructor:	Location:	Credits:
Black, Wade	Ontario Campus	3.00

Schedule: MTWRF 12:00PM-1:20PM 1/9/2023-3/24/2023

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**ANS 252 OB**

**COLT STARTING**

This course focuses on applying the knowledge and skill students have received from Intro to Colt Starting to training an un-started horse. The focus of this course will be on safety as students work to meet the industry colt starting standard in training an un-started horse for the public.

Prerequisite: ANS 251

Instructor:

Black, Wade

Location:

Ontario Campus

Credits:

3.00

Schedule: MTWRF 1:30PM-2:50PM 1/9/2023-3/24/2023

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