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# EQUINE TECHNICIAN

**COURSE:** EQUINE OPERATIONS AND CARE 33

**Corequisite:** CTR1210: Personal Safety Management

**Note:** Students are required to complete the corequisite course prior to or concurrent with their enrollment in the first course of the Equine Technician specialization.

**Description:** Students demonstrate the ability to identify horse breeds, markings and colours; handle horses safely; maintain and clean stable area; and recognize and attend to basic equine health and nutritional needs.

**Parameters:** Each of the three courses that constitute the Equine Technician specialization is designed to be delivered off campus. The annual inspection and approval of the work station, and the monitoring, supervision and assessment of each student's progress and performance must be done in accordance with the procedures specified in the *Off-campus Education Guide for Administrators, Counsellors and Teachers*.

## Prescribed

**General Outcomes:** *The student will:*

- communicate horse identification effectively, by:
  - describing the genetic development of the horse
  - understanding the different classification and types of horses
  - identifying common horse breeds, colours and markings
- demonstrate a knowledge of equine behaviour and handle horses safely, by:
  - understanding horse senses, body language and defense mechanisms
  - handling horses in stressful and emergency situations
  - identifying behaviours and understanding the effect of body language on the horse
  - performing safe haltering, leading and tying procedures
  - understanding expectations of ground manners
- maintain and clean stable areas, by:
  - identifying and using common stable equipment
  - operating and maintaining common equipment safely
  - using and maintaining hand and power tools safely
  - cleaning stalls, facility and equipment
  - using and storing bedding materials properly

- demonstrate basic equine health knowledge, by:
  - communicating a basic knowledge of equine anatomy and physiology
  - identifying conformation faults and blemishes
  - understanding and evaluating body condition score
  - recognizing normal and abnormal general demeanor
  - understanding and performing evaluations of vital signs
- assist with an equine feeding program, by:
  - identifying water requirements
  - recognizing common feeds
  - identifying nutritional requirements of different classes of horses
  - maintaining a knowledge of feed concentrates and supplements
  - following the daily nutritional routine
  - knowing the effects of feed changes.

**COURSE:** EQUINE PROCESSES AND PRACTICES 33

**Corequisite:** CTR1210: Personal Safety Management

**Note:** Students are required to complete the corequisite course prior to or concurrent with their enrollment in the first course of the Equine Technician specialization.

**Description:** Students demonstrate the ability to maintain outdoor equine environments, apply business management skills, manage tack and equipment, communicate and interact professionally, and display a positive attitude toward equine and personal safety.

**Parameters:** Each of the three courses that constitute the Equine Technician specialization is designed to be delivered off campus. The annual inspection and approval of the work station, and the monitoring, supervision and assessment of each student's progress and performance must be done in accordance with the procedures specified in the *Off-campus Education Guide for Administrators, Counsellors and Teachers*.

**Prescribed  
General Outcomes:**

*The student will:*

- maintain an equine environment, by:
  - understanding biosecurity and facility protocol
  - understanding and practising environmental stewardship
  - recognizing unsafe conditions
  - identifying appropriate housing for horses
  - understanding and maintaining fences and watering systems
  - maintaining the arena, field and/or pasture
- understand and apply business management practices, by:
  - demonstrating quality employability skills and professionalism
  - comprehending accounts payable and receivable
  - familiarizing with animal welfare concerns
  - following the stable management routine
  - knowing the emergency action plan
  - understanding business risk, legislation, governing bodies, insurance and liability

- demonstrating technology skills
- keeping up-to-date health, nutrition, breeding and training records
- being aware of documents and documentation
- understanding sales and purchasing practices
- assisting in promoting activities in the industry
- manage the performance horse, by:
  - identifying and using tack properly
  - following safe tacking procedures
  - describing and following appropriate storage and care of tack
  - understanding and performing safe blanketing procedures
  - performing a grooming routine
  - assisting with a warm-up and cool-down routine.

**COURSE:** EQUINE SUPPORT SYSTEMS 33

**Corequisite:** CTR1210: Personal Safety Management

**Note:** Students are required to complete the corequisite course prior to or concurrent with their enrollment in the first course of the Equine Technician specialization.

**Description:** Students demonstrate the ability to discuss basic equine reproduction, recognize and prevent common diseases in Alberta, offer basic first aid, and provide for more complex nutritional requirements.

**Parameters:** Each of the three courses that constitute the Equine Technician specialization is designed to be delivered off campus. The annual inspection and approval of the work station, and the monitoring, supervision and assessment of each student's progress and performance must be done in accordance with the procedures specified in the *Off-campus Education Guide for Administrators, Counsellors and Teachers*.

**Prescribed**

**General Outcomes:** *The student will:*

- understand basic equine reproduction and life cycle, by:
  - describing the life cycle and reproductive cycle
  - understanding different breeding technologies
  - understanding the best management practices for euthanasia and disposal
  - being aware of stallion behaviour
- increase their knowledge of handling horses safely, by:
  - understanding response versus reaction and acceptance versus tolerance
  - understanding horse psychology and the difference between livestock and pets
  - loading and unloading animals
  - understanding equine restraints
  - being aware of equine professional specialists' expectations
  - recognizing acceptable and unacceptable discipline

- maintain horse health, by:
  - identifying common equine diseases and assisting with a vaccination program
  - understanding and controlling internal and external parasites
  - recognizing the need for regular dental care and hoof maintenance
  - identifying lameness
  - identifying and evaluating injuries
  - applying basic first aid
  - understanding bandage types and performing bandaging procedures safely
  - being knowledgeable about injectable drug use in horses
  - being aware of alternative therapies used for horses
- enhance equine nutritional knowledge, by:
  - managing pasture and rotations
  - knowing nutritional-related diseases
  - managing special nutritional needs of horses
  - being aware of toxic plants and food
  - keeping accurate feed records and assisting in designing a feeding program
  - performing a cost analysis of a feed program