COURSE OTH9906: FEEDLOT OPERATIONS AND CARE 33

Prerequisite: AGR3000: Agriculture Safety (Note: Students are required to complete the prerequisite course prior to enrollment in the first course of the Feedlot Beef Production Technician specialization.)

Description: Students demonstrate cattle-handling abilities; identify normal and sick cattle; demonstrate knowledge of the industry, beef marketing, quality assurance and beef food safety; operate livestock-handling equipment; receive and process cattle through the feedlot; demonstrate an understanding of safe-work practices; and demonstrate effective and appropriate interpersonal, communication and employability skills.

Parameters: Each of the three courses that constitute the Feedlot Beef Production 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 Handbook.

Prescribed General Outcomes: The student will:
- demonstrate a positive attitude toward safety, including:
  - identify safe workplace practices for agricultural operations
  - recognize hazards in agricultural operations
  - minimize hazards in agricultural operations
  - participate in ongoing inspections and training
  - perform basic emergency response procedures
- demonstrate effective and appropriate interpersonal, communication and employability skills, including:
  - manage training and continuing education in the Green Certificate Program
  - communicate and interact effectively in the workplace
  - manage time effectively to complete workplace jobs
  - understand continuous improvement in agricultural operations
- understand accounts payable and receivable in agricultural operations
- understand business risks in agricultural operations
- understand insurance and liability in agricultural operations
- identify legislation pertaining to agricultural operations
- identify governing bodies pertaining to agricultural operations
- promote the agricultural industry
- understand cattle traceability requirements

- demonstrate proficiency in processing of cattle, including:
  - demonstrate knowledge of industry basics and beef-marketing components
  - demonstrate knowledge of principles of cattle behaviour
  - handle normal and sick cattle
  - operate stock-handling equipment
  - receive cattle
  - weigh cattle using a scale

COURSE OTH9907: FEEDLOT PROCESSES AND PRACTICES 33

Prerequisite: AGR3000: Agriculture Safety (Note: Students are required to complete the prerequisite course prior to enrollment in the first course of the Feedlot Beef Production Technician specialization.)

Description: Students are introduced to the anatomy and physiology of cattle. Students demonstrate their ability to maintain cattle health; assist with cattle pen management techniques and strategies; understand and implement the operation cattle feeding protocol; and safely operate and maintain farm equipment.

Parameters: Each of the three courses that constitute the Feedlot Beef Production 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 Handbook.

Prescribed General Outcomes: The student will:

- demonstrate proficiency in handling of cattle, including:
  - castrate cattle
  - dehorn cattle
  - implant cattle with growth stimulants
  - brand cattle with a hot iron
- maintain cattle health, including:
  - know cattle physiology and anatomy
  - know common cattle health disorders
  - interpret labels and administer animal treatment drugs
  - identify sick or problem cattle
  - assess cattle and perform feedlot treatment protocols
• understand humane euthanasia
• assist a health professional with post-mortem

• demonstrate proficiency in cattle pen management, including:
  − pull cattle from pens
  − inspect feed bunks and pen structures for damage
  − monitor feed in bunks

• maintain a cattle feeding program, including:
  − know the cattle feeding plan
  − implement the feeding protocol
  − operate and maintain a feed wagon or a truck
  − operate legal platform scales

COURSE OTH9908: FEEDLOT HUSBANDRY AND SYSTEMS 33

Prerequisite: AGR3000: Agriculture Safety (Note: Students are required to complete the prerequisite course prior to enrollment in the first course of the Feedlot Beef Production Technician specialization.)

Description: Students demonstrate the ability to safely operate, maintain and service watering systems, feeding systems, trucks and tractors under specified conditions; safely operate, maintain and service farm equipment and vehicles in yards, on fields and on public roads; and safely operate and maintain hand tools and power tools.

Parameters: Each of the three courses that constitute the Feedlot Beef Production 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 Handbook.

Prescribed General Outcomes: The student will:

• safely operate, maintain and service watering and feeding system equipment, including:
  − operate, maintain and service cattle waterers
  − operate, maintain and service feeding and milling equipment
  − receive feedstuffs into the feed system and monitor feed inventory

• safely operate, maintain and service general farm trucks, tractors and vehicles, including:
  − know regulations for farm equipment road travel
  − operate, maintain and service farm tractors
  − operate, maintain and service two-axle farm trucks
  − operate, maintain and service tractors with front-end loaders
  − operate, maintain and service skid steer loaders
  − operate, maintain and service industrial-type wheel loaders
  − operate, maintain and service truck-mounted or pull-type manure spreaders
  − operate, maintain and service an ATV
• demonstrate proficiency in equipment and facility management, including:
  – operate, maintain and service basic hand and/or shop tools
  – repair and maintain fences and corrals
  – operate, maintain and service a chain saw
  – operate, maintain and service augers and conveyors
  – operate, maintain and service a high-pressure washer
  – operate, maintain and service air compressors and accessories
  – bed-up pens and maintain pen-bedding techniques
  – practise good housekeeping techniques