
SWINE PRODUCTION TECHNICIAN

COURSE: SWINE BEHAVIOUR AND PRODUCTION 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 Swine Production Technician specialization.

Description: Students study swine behaviour, demonstrate the knowledge and ability to handle breeding stock, feed swine, recognize specified swine disorders and diseases, maintain facilities, safely operate and maintain farm equipment, perform basic record keeping, and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Swine 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 policy.

Prescribed

General Outcomes: *The student will:*

- demonstrate the ability to handle swine, by:
 - understanding and interpreting stock behaviour, including that of feeder pigs and weaner pigs
 - assisting pigs with mating
- feed swine, by:
 - performing routine water maintenance duties
 - carrying out a feeding routine for swine of all ages
- help maintain swine health, by:
 - demonstrating an understanding of factors affecting swine health
 - recognizing signs of disorders and diseases
- maintain facilities and operating equipment, by:
 - demonstrating knowledge of workplace hazards
 - demonstrating safe work practices

- operate, safely, maintain and care for a power washer, as well as hand and power tools
- perform basic record keeping
- demonstrate effective and appropriate employability skills.

COURSE: SWINE HANDLING AND WELFARE 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 Swine Production Technician specialization.

Description: Students demonstrate their ability to wean pigs, operate feed handling equipment, castrate baby pigs, operate a manure handling system, monitor and maintain facility environmental controls, and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Swine 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 policy.

**Prescribed
General Outcomes:**

The student will:

- demonstrate the ability to handle swine, by:
 - weighing swine
 - performing weaning procedures
- feed swine, by:
 - operating and maintaining feed handling equipment
- maintain swine health, by:
 - identifying and treating farrowing-related problems
 - performing new birth piglet procedures
 - identifying and describing fostering practices
 - castrating baby swine
 - maintaining cleanliness and sanitation standards
- handle waste, by:
 - demonstrating knowledge of a manure management code of practice
 - performing clean-out routine
 - operating a manure handling system
 - demonstrating knowledge of gas hazards in confined spaces, where necessary
- maintain facilities, by:
 - monitoring and maintaining facility environmental controls
- demonstrate effective and appropriate employability skills.

COURSE: SWINE HEALTH AND OPERATIONS 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 Swine Production Technician specialization.

Description: Students demonstrate a working knowledge of swine anatomy, basic disorders and diseases of swine, and the herd's health program; demonstrate the ability to handle and administer medications and vaccines; demonstrate knowledge of the farm's operating management systems, including indicators, goals and targets, Alberta hog marketing strategies, and quality assurance programs; and demonstrate effective and appropriate employability skills.

Parameters: Each of the three courses that constitute the Swine 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 policy.

Prescribed

General Outcomes: *The student will:*

- demonstrate the ability to maintain swine health and nutrition, by:
 - interpreting labels on medications
 - handling and administering medications and vaccines
 - demonstrating a working knowledge of swine anatomy
 - identifying common swine disorders and diseases
 - demonstrating an understanding of swine nutrition
- maintain facilities and operate equipment, by:
 - using fire extinguishers
 - performing basic first aid
- operate farm management systems, by:
 - demonstrating knowledge of production indicators, goals and targets
 - demonstrating knowledge of Alberta's hog marketing strategies
 - demonstrating knowledge of quality assurance programs
- perform artificial insemination, as necessary
- demonstrate effective and appropriate employability skills.

