



Western Technical College

30090373 Livestock/Farmstead Equipment Management

Course Outcome Summary

Course Information

Description	Livestock management provides instruction on the various phases of selection, breeding, herd health, raising of replacement stock, and marketing livestock and livestock products. It includes the selection, operation, and maintenance of milking, feed, ventilation, manure handling, equipment and farm buildings. Students will learn to determine cost of ownership for farm buildings and equipment and formulate standard operating procedures for livestock. All classes in the Farm Business and Production Management program include instruction on financial analysis and management of the farming operation.
Career Cluster	Agriculture, Food and Natural Resources
Instructional Level	Technical Diploma Courses
Total Credits	3
Total Hours	180

Textbooks

No textbook required.

Experiential Learning

1. Work Based Learning

Program Outcomes

1. Utilize agronomic resources for optimal farm production.
2. Evaluate livestock management plans.
3. Plan for operation and maintenance of farm facilities and equipment.
4. Create farm business plans.
5. Apply marketing principles to agricultural enterprises.

Course Competencies

1. Create a long term equipment and facility maintenance/replacement plan

Assessment Strategies

- 1.1. Interview
- 1.2. Written Product

Criteria

- 1.1. Written product includes dates and costs
- 1.2. Written product contains equipment and facility inventory and cost and market values.
- 1.3. Observation of maintenance procedures.
- 1.4. Discussion of specific procedures used.

Learning Objectives

- 1.a. Evaluate livestock for disease symptoms
- 1.b. Identify potential diseases
- 1.c. Determine appropriate treatment plan

2. Determine cost of ownership for farm buildings and equipment

Assessment Strategies

- 2.1. Interview
- 2.2. Written Product

Criteria

- 2.1. a current balance sheet is completed which includes depreciation
- 2.2. cost of equipment is calculated prior to purchase, new versus used, owned versus rented.
- 2.3. deferred tax liabilities are included in balance sheet

3. Formulate standard operating procedures for livestock

Assessment Strategies

- 3.1. Interview
- 3.2. Written Product

Criteria

- 3.1. Standard operating procedures for feeding and care of livestock is completed including health care.
- 3.2. Procedure manuals are in written form and available for all workers on the farm.
- 3.3. All farm workers are familiar with standard operating procedures and are instructed to follow procedures.
- 3.4. Bio-security practices are followed on farm.

Learning Objectives

- 3.a. Write a herd health protocol
- 3.b. Demonstrate a proper biosecurity program
- 3.c. Outline a breeding program
- 3.d. Select appropriate animal welfare protocol
- 3.e. Apply animal waste standards

4. Investigate emerging trends including new technology, industry regulations, consumer trends, and public policy

Assessment Strategies

- 4.1. Interview
- 4.2. Written Product

Criteria

- 4.1. Farming operation investigates and follows current industry and government regulations.
- 4.2. Operation continuously explores and analyses new technologies and consumer trends.