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10333 - 8<sup>th</sup> Avenue  
Post Office Box: 40  
Humboldt Saskatchewan  
Postal Code: S0K-2A0

## Distance Education Course Outline

### GENERAL INFORMATION:

- i. *Course:* Practical & Applied Arts 20 – Agriculture Survey, 2020-2021
  - ii. *Type:* online delivery, asynchronous, self-paced
  - iii. *Instructor:* Janice Cruise (Distance Education Learning Centre)
- Teacher Access:* \* Moodle Message preferred, email [janice.cruise@horizonsd.ca](mailto:janice.cruise@horizonsd.ca)

### COURSE DESCRIPTION:

*Executive Summary:* Would you like to know more about Agriculture in Saskatchewan? This might be the perfect course for you. The PAA20 – Agriculture Survey course is designed from three pure Practical & Applied Arts curricula for a total of 100 instructional hours. The core areas are Crop Production and Cow/Calf Production. Additionally, students will have a choice of completing either a sheep or pork unit. Safety and careers in agriculture are integral to the course and will be explored through a variety of assignments and projects.

- i. *Prerequisites:* None

## STUDENT LEARNING OUTCOMES:

### Farm Safety Outcomes

Identify existing or potential hazards on a farm  
Distinguish between safe and unsafe practices on a farm

### Communication Outcomes

Utilize clear verbal and written communication skills appropriate for farm practices  
Develop skills in finding, analyzing and using information  
Develop skills in using and filling out a variety of forms used on a farm

### Career Outcomes

Explore post-secondary options related to careers in agriculture  
Demonstrate employability skills that are suitable for careers in agriculture  
Explore different career options in the field of agriculture

### Field Crop Production Outcomes

Develop basic skills and abilities in the repair and maintenance of farm machinery  
Describe and identify different hand and power tools, mechanical, hydraulic, and hand jacks and winches used on the farm  
Describe various crops grown in Saskatchewan  
Develop an understanding of the storage and handling of various types of fertilizer  
Identify the general features of equipment used for crop production  
Gather and utilize market information for agricultural crops  
Identify disease, weeds and pests



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### **Cow-Calf Production Outcomes**

Identify transportation regulations for livestock on public roads  
Gather and utilize market information for livestock  
Identify strengths and weaknesses of various cattle breeds  
Demonstrate knowledge of feed and nutritional requirements of beef cattle  
Interpret the nutritional content of prepared rations  
Demonstrate and/or describe best practices when handling various ages of cattle  
Identify various feedstuffs used to provide adequate nutrition for cattle at various stages of growth

### **Pork Production Outcomes**

Describe safe practices when removing waste  
Identify various feedstuffs used to provide adequate nutrition for swine at various stages of growth  
Describe the reproductive systems of boars, sows and gilts

### **TEACHING STRATEGIES:**

- i. The course is divided into five mandatory units of study. Unit six provides a choice of topics to complete.
- ii. It is expected that students will spend approximately 100 hours completing the work involved in the course.
- iii. All assignments, discussions, choice decisions, and quizzes must be submitted.
- iv. While there are no *set* assignment due dates, continuous participation and progress are expected.
- v. Specific requirements of each unit of study are provided in Moodle.

### **COURSE MATERIALS:**

- i. Students are expected to have access to a farm tractor for an assignment. There is no expectation that the student will operate the tractor.
- ii. Access to a camera or a smart phone is preferred for some assignments.
- iii. Access to a mixed farming operation is ideal but not required.
- iv. All other course resources are provided within Moodle, available on the Internet, or will be distributed to the student.
- v. Students require access to a computer, scanner, web-browser, Microsoft Office (or equivalent), and the Internet.

### **ASSESSMENT:**

**Unit 1** 5% Introduction to Agriculture in SK

**Unit 2** 15% Communication and Safety

**Unit 3** 30% Crop Production

**Unit 4** 30% Cow/Calf Production

**Unit 5** 10% Careers in Agriculture (project)

**Unit 6a** 10% Pork Production **OR**

**Unit 6b** 10% Sheep Production [By request only...request **must** be **submitted by email** to Ms. Janice Cruise **within two weeks** of starting the course.]