

AGRICULTURE

N.Dmytriw

Alonsa School

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School Phone Number: 204- 767-2168

Level: Grade 11 (30)

Program Designation: 30S

Credit Value: 1 credit

Course Code: 0201

Prerequisites: none

Course Times:

Semester 1 – Day 1- Day 6 – 9:29-10:43

COURSE OVERVIEW

Grade 11 Agriculture provides information about agriculture in Manitoba. Agriculture involves many different dimensions and draws upon the knowledge base of a variety of disciplines. The study of agriculture provides us with knowledge and understanding of agricultural processes and is also useful in providing information related to career choices. Students will examine historical perspectives of agriculture in the province, as well as present concerns and trends. The past, present, and future of agriculture are an important part of this course as they relate to Manitoba's economy, social and cultural development, consumer habits, and politics.

The course examines the physical and climatic features of Manitoba, the resource base, soil management practices, crop varieties, and plant and animal science.

Cluster Goals

Cluster 1 – Manitoba Agriculture: An Overview

An introduction to the themes, ideas, and concepts related to agriculture in Manitoba. You will look at geology and geography, animal, plant and soil resources in the province, the historical development of agriculture in Manitoba and agricultural trends for the future.

Cluster 2 – Soil Science

You will learn about the nature and composition of soils in Manitoba, the effects of soil on plant and animal life and soil management practices. You will also learn about issues related to sustainable development such as conservation tillage and soil-related problems, such as leaching and salinity.

Cluster 3 – Plant Science

Plant science is an important component of agriculture in Manitoba. In this cluster you will learn about the physiology of plants and the factors that affect plant growth and reproduction. The many varieties of plants grown in Manitoba will be discussed as well as various plant management techniques.

Cluster 4 – Animal Agriculture in Manitoba

Livestock is extremely important to agricultural producers and consumers in Manitoba. Manitobans rely upon livestock as an important food source, as well as a source for many other products. We will look at the great variety of animals raised in Manitoba, how animal products are used, the economic impacts of livestock production, marketing issues, the major livestock and poultry industries in Manitoba, husbandry methods used in Manitoba and the principles of breeding and selection.

COURSE PACING/LEARNING EXPERIENCES

Cluster 1 An Overview (4 weeks) History of Agriculture Physical-Climatic Features Resources: Renewable and Non-Renewable Conversions Manitoba: Past-Present-Future	Cluster 2 Soil Science (5 weeks) The Nature and Composition of Soils Soils: Effects on Plants and Animal Life Soil Management Practices
Cluster 3 Plant Science (5 weeks) Plant Classification and Anatomy Plant Growth and Reproduction Plant Varieties in Manitoba Plant Management	Cluster 4 Animal Agriculture in Manitoba (5 weeks) Animals Raised in Manitoba Manitoba Regulations Poultry Hogs Cattle Poultry PMU Industry Future in Animals

	1 week for review.
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Each unit will consist of individual and group assignments, posters, brochures, tests, and written assignments. If students receive less than 50% on a test, they **may** have the opportunity to redo the test. It is the students' responsibility to complete all assignments and hand them in on time. Late assignments will be deducted 20% per week. Failure to hand in assignments may result in an IN which is the same as a 0.

Assignments and pacing may change at the discretion of the teacher.

MATERIALS

Students are expected to bring a pen/pencil, and binder with loose leaf or a notebook with lined pages.

EVALUATION

Marks will be divided under Knowledge and Understanding and Research and Communication. Course work and tests will be worth 70% of your final grade. All work is cumulative. The Final Exam will be worth 30%. Student's final mark is displayed as a percentage. Formative assessment will include anecdotal notes, and homework checks.

EXPECTATIONS

This is a senior 3 level course and students are expected to behave as responsible young adults. As principal duties may require my absence from class on occasion, students are expected to be able to work independently and with limited supervision. This includes being self-sufficient on occasions where I am unable to attend the start of class or am called away during scheduled class time.

CLASSROOM RULES

1. I will have respect for myself, others and my surroundings
2. I will listen to others and wait my turn to share.
3. I will be responsible. Personal electronic devices will not be used in class.
4. I understand that my actions have consequences.
5. Please refer to the Alonsa handbook regarding technology, plagiarism, absences etc.
6. If a student requires extra help, it is up to them to set up a time to meet with the teacher either at lunch or after school, depending on the teacher's schedule.

7. Homework is a part of the high school experience and is required to be completed when assigned.