

## **Producing Horticulture Crops (1-2-0 hrs) - HRT 1700**

### **1. General Areas of Competency**

**A. Assess prairie field horticulture crop production opportunities.**

**Outcomes:**

- i. Examine prairie field vegetable production opportunities.
- ii. Examine prairie field ornamental plant (nursery) opportunities.
- iii. Examine prairie field fruit production opportunities.
- iv. Examine prairie 'specialty' field grown crop opportunities.

**B. Develop a land use plan for a horticulture crop production business.**

**Outcomes:**

- i. Assess various sites for horticulture production crops.
- ii. Develop a shelterbelt planting plan for a production site.
- iii. Develop an access plan for a production site.
- iv. Calculate dugout requirements for a production site.
- v. Develop a site planting plan.
- vi. Calculate basic return on investment.

**C. Produce horticulture food crops in a modified environment field culture.**

**Outcomes:**

- i. Analyze various field environment modifications.
- ii. Identify crops that benefit from a modified field environment.
- iii. Research the benefits and challenges of modified environments in field production.
- iv. Establish crops in a raised bed/modified environment.
- v. Maintain crops in a raised bed/modified environment.

**D. Examine the tools and equipment used in horticulture field crop production.**

**Outcomes:**

- i. Assess tractors that are used in horticulture production.
- ii. Assess equipment that is used in planting horticulture field crops.
- iii. Assess equipment that is utilized in maintaining horticulture field crops.
- iv. Assess equipment utilized in harvesting horticulture field crops.
- v. Assess equipment utilized in maintaining horticulture field crops.

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# Producing Horticulture Crops (1-2-0 hrs) - HRT 1700

## 1. Course Description

|                       |  |
|-----------------------|--|
| <b>Course Code:</b>   | HRT 1700   |
| <b>Course Title:</b>  | Producing Horticulture Crops (1-2-0 hrs)   |
| <b>Status:</b>        | Active   |
| <b>Credits:</b>       | 3.00   |
| <b>Pre-requisite:</b> | None   |
| <b>Corequisite:</b>   | None   |
| <b>Advisory:</b>      | None   |
| <b>Calendar</b>       | Learners research and assess food and ornamental field crop production markets, locations, |
| <b>Description:</b>   | materials, and processes to achieve a sustainable enterprise.                              |

## 2. General Areas of Competency

1. Assess prairie field horticulture crop production opportunities.
2. Develop a land use plan for a horticulture crop production business.
3. Produce horticulture food crops in a modified environment field culture.
4. Examine the tools and equipment used in horticulture field crop production.

## 3. Student Evaluation

Conditions Related to Evaluation:

Students will be penalized 20% per day for late methods of evaluation unless prior arrangements have been made with the instructor. Missed labs will be graded '0'. Missed quizzes, tests and exams will be graded '0' unless prior arrangements have been made with the instructor.

Evaluation is based on the successful completion of the following:

|               | <b>Mark Distribution</b> |
|---------------|--------------------------|
| Assignment(s) | 20.00%                   |
| Quiz(zes)     | 30.00%                   |
| Project(s)    | 50.00%                   |
|               | <b>100.00%</b>           |

## 4. Grading System

|           |          |     |           |         |     |
|-----------|----------|-----|-----------|---------|-----|
| <b>A</b>  | 92 - 100 | 4.0 | <b>C+</b> | 67 - 71 | 2.3 |
| <b>A-</b> | 87 - 91  | 3.7 | <b>C</b>  | 62 - 66 | 2.0 |
| <b>B+</b> | 82 - 86  | 3.3 | <b>C-</b> | 58 - 61 | 1.7 |
| <b>B</b>  | 77 - 81  | 3.0 | <b>D+</b> | 54 - 57 | 1.3 |
| <b>B-</b> | 72 - 76  | 2.7 | <b>D</b>  | 50 - 53 | 1.0 |
|           |          |     | <b>F</b>  | < 50    | 0.0 |

## 5. Delivery Methods

- o Lecture = 15 hrs
- o Labs = 30 hrs

Independent study is required.

## 6. Resource Materials

**Required Texts and Resources**

- o To be announced.

## 7. Student Equipment & Supplies

None.

## 8. Student Responsibilities

Enrollment at Olds College assumes that the student will become a responsible citizen of the college. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies; demonstrating courtesy and respect towards others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

## 9. Additional Information

FIO agenda item 7.2.1. October 12, 2017. Replaces 2090.

## 10. This course is incorporated into the following program(s)

Certificate \*Active\* Horticulture Technician

Diploma \*Active\* Horticulture Technologist

Diploma \*Approved\* Horticulture Technologist

### Changes to This Course Outline

Every effort has been made to ensure that information in this course outline is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.

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