

CR 216
Diversified Crop Production
3 Credits

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CR 216 Version: 15



Diversified Crop Production

Calendar Description

This course focuses on the major agronomic practices in the management of various specialty crops. The practices include plant growth requirement, field operations, varietal considerations, and soil conservation measures.

Rationale

This is a required course for the Crop Technology students. Specialty crops are an increasingly important source of diversity in field crop production. They have many special agronomic requirements that must be understood by anyone involved in their production.

Prerequisites

None

Co-Requisites

None

Course Learning Outcomes

Upon successful completion of this course, students will be able to

1. identify the seeds and vegetative shoots of major specialty crop species.
2. explain the cropping practices associated with specialty crop production.
3. define terms common to specialty crop production.
4. explain the importance of crop rotations and soil conservation in specialty crop production.
5. explain the importance of cultivars for various growing regions.
6. weigh the environmental and financial opportunities and risks associated with diversified crop production.

Resource Materials

Miscellaneous Alberta Agriculture publications as provided

Conduct of Course

The lecture portion (42 hours) of this course relies heavily on overheads, utilizing slides and videos where appropriate. The lab portion (14 hours) consists of growing and identifying plants and seeds of the major specialty crops.

Evaluation Procedures

The final grade is an aggregate of the following components:

Quizzes	10%
Lab Exercises	30%
Assignments	60%
Total	100%

Grade Equivalent and Course Pass Requirements

A minimum grade of D (50%) (1.00) is required to pass this course.

Letter	F	D	D+	C-	C	C+	B-	B	B+	A-	A	A+
Percent Range	0-49	50-52	53-56	57-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-100
Points	0.00	1.00	1.30	1.70	2.00	2.30	2.70	3.00	3.30	3.70	4.00	4.00

Students must maintain a cumulative grade of C (GPA - Grade Point Average of 2.00) in order to qualify to graduate.

Attendance

Classroom and laboratory attendance is considered vital to the learning process and as significant to the students' evaluation as examinations and reports.

- Students having a combination of excused and/or unexcused absence of 20 percent or higher for the scheduled course hours will be required to withdraw and will automatically receive a "RW" (required withdrawal) for the course, regardless of any other evaluation results. (RW is a failing grade.)
- An excused absence is one that is verified with your Instructor. Verification should be prior to the absence or the next class day following the absence. Verification of the absence may take the form of a note from your doctor/College nurse regarding illness, or a note from another Instructor regarding a field trip or other activity, or authorization by

your Instructor. An unexcused absence is anything NOT verified by the instructor prior to the absence or the next class day following the absence.

NOTE: Any exceptions to the above attendance policy (e.g. timetable conflicts, work-related issues) must be approved in writing by the Department Chair prior to the beginning of the course.

It is the students' responsibility to know their own absentee record.

Normal hours are 8:30 a.m. to 6:30 p.m., with potential for evening courses, exams or extended field trips. Students are expected to be available for classes during these times.

Course Units/Topics

1. Introduction/Crop History
2. Specialty Crop Adaptations and Rotations
3. Pulse Crops and Their Management
4. Miscellaneous Crops and Their Management



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