

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: AGRI 183		Number of Credits: 3 Course credit policy (105)													
Course Full Title: On-Farm Occupational Health and Safety Course Short Title: On-Farm OH&S															
Faculty: Faculty of Science		Department (or program if no department): Agriculture Technology													
Calendar Description: Safety hazards associated with agricultural production in a variety of settings (barns, greenhouses, fields) are explored. Hands-on technical skills are obtained, including safe operation of tractors and skid steers and fall and fire prevention. Managerial responsibilities for young and new worker training, safety supervision, emergency preparedness, and work-place wellness are also examined.															
Prerequisites (or NONE):		None.													
Corequisites (if applicable, or NONE):		None.													
Pre/corequisites (if applicable, or NONE):		None.													
Antirequisite Courses <i>(Cannot be taken for additional credit.)</i> Former course code/number: Cross-listed with: Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>		Course Details Special Topics course: No <i>(If yes, the course will be offered under different letter designations representing different topics.)</i> Directed Study course: No <i>(See policy 207 for more information.)</i> Grading System: Letter grades Delivery Mode: Face-to-face only Expected frequency: Annually Maximum enrolment (for information only): 25													
Typical Structure of Instructional Hours <table border="1"> <tr> <td>Lecture/seminar</td> <td>30</td> </tr> <tr> <td>Experiential (work-integrated learning)</td> <td>15</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>Total hours</td> <td>45</td> </tr> </table>		Lecture/seminar	30	Experiential (work-integrated learning)	15							Total hours	45	Prior Learning Assessment and Recognition (PLAR) PLAR cannot be awarded for this course because: The emphasis of this course is to develop a safety mindset for the agricultural workplace.	
Lecture/seminar	30														
Experiential (work-integrated learning)	15														
Total hours	45														
Scheduled Laboratory Hours Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Transfer Credit <i>(See bctransferguide.ca.)</i> Transfer credit already exists: Yes Submit outline for (re)articulation: Yes <i>(If yes, fill in transfer credit form.)</i>													
Department approval		Date of meeting: November 2022													
Faculty Council approval		Date of meeting: December 2, 2022													
Undergraduate Education Committee (UEC) approval		Date of meeting: April 21, 2022													

Learning Outcomes *(These should contribute to students' ability to meet program outcomes and thus Institutional Learning Outcomes.)*

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

1. Identify common equipment, fire, chemical, and ergonomic hazards associated with greenhouse, livestock, and field agricultural production.
2. Explain safe work procedures and requirements to mitigate occupational risk in various agricultural settings.
3. Demonstrate the correct use of personal protective and fire safety equipment.
4. Create safe work procedures, including standard operating procedures and team safety talks to mitigate specific occupational hazards (ladders, power tools and lockout, heat stress, noise) associated with farms.
5. Describe WHMIS regulations in Canada.
6. Operate a tractor and a skid steer safely at a basic competency level.
7. Explain biosafety and zoonotic disease control at the farm level.
8. Demonstrate safe animal handling.
9. Explain the roles of the Work Safe BC and AgSafe BC on the agricultural work site.
10. Identify common stressors, impacts and resources for mental health care for workers in agriculture.
11. Explain supervisor responsibilities in the workplace.
12. Develop an emergency response plan for an agricultural operation in B.C.

Recommended Evaluation Methods and Weighting *(Evaluation should align to learning outcomes.)*

Quizzes/tests:	40%	Assignments:	60%	%
	%		%	%

Details:

Assignments include check off demonstration by each student of their ability to safely use various pieces of equipment and written summaries of guest speakers and weekly topics.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Texts and Resource Materials *(Include online resources and Indigenous knowledge sources. [Open Educational Resources](#) (OER) should be included whenever possible. If more space is required, use the [Supplemental Texts and Resource Materials form](#).)*

Type	Author or description	Title and publication/access details	Year
1. Online resource		WorkSafe BC - https://www.worksafebc.com/en	
2. Online resource		AgSafe BC - https://agsafebc.ca/	
3. Online resource		Government of BC. Emergency response plans and roles - https://www2.gov.bc.ca/gov/content/industry/agriculture-seafood/business-market-development/emergency-management/emergency-response-planning	
4.			
5.			

Required Additional Supplies and Materials *(Software, hardware, tools, specialized clothing, etc.)*

CSA (Canadian Safety Association) approved footwear.

Course Content and Topics

- Tractor safety awareness
- Skid steer safety awareness
- Ladder safety awareness
- Fire extinguisher safety and education
- New worker orientation requirements
- "Mental health literacy" and farm safety
- WorkSafeBC and its role
- Lock out tag out education. Equipment de-energization
- Attaching up a 3-point linkage to tractor safely
- Tractor and skid steer practical evaluations
- WHMIS safety
- Safe handling of animals and medications and material in class review quiz
- Supervisor safety responsibilities
- PPE and fire safety equipment