

Dalhousie University
AGRI5705 (Module Course)
Course Syllabus

Dalhousie University, Faculty of Agriculture
AGRI5705: Graduate Module Course

Module Title: **Application of Agricultural Drones for Precision Agriculture**

Instructor: **Dr. Travis Esau**
Contact information: **Office: Banting Building Rm37**
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Dates module will be offered: **2024 Winter Semester (Starting March 11)**

Frequency of formal classes/meetings: **4 weeks of 2-hour lectures/labs**

Module Content and Learning Objectives: **The module will introduce the practical applications of agricultural and mapping drones for use in precision agriculture. Students are required to have experience using ArcGIS Pro software. The objective of this course is to gain basic knowledge about agricultural and mapping drones, flying regulation in Canada, aerial data collection, processing and analysis, GNSS, GIS, and related precision agriculture technologies, software, and their applications in agriculture to optimize resources.**

Method of Evaluation and Distribution of Marks: **Assessment of this module will be in the form of weekly assignments and a single report to be submitted at the end of the module.**

Assignments: 50%

Project Report: 50%

Any restrictions on enrollment: number of students, background preparation or prerequisite courses: **Enrollment in graduate program, experience with ArcGIS Pro software**