

**Dalhousie University**  
**AGRI5705 (Module Course)**  
**Course Syllabus**

Dalhousie University, Faculty of Agriculture  
AGRI5705: Graduate Module Course

Module Title: **Practical Uses of Different Global Positioning Systems and Geographic Information Systems in Precision Agriculture**

Instructor: **Dr. Travis Esau**  
Contact information: **Office: Banting Building Rm37**  
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**Phone: 902-893-3055**

Dates module will be offered: **2023 Fall Semester (Starting September 25)**

Frequency of formal classes/meetings: **6 weeks of 1.5 hour lectures/labs**

Module Content and Learning Objectives: **The module will introduce the practical applications of Different Global Positioning Systems (GPS) in the field and ArcGIS Pro Geographic Information System (GIS) applications for agricultural use. The objective of this course is to gain basic knowledge about GNSS, GIS, and related precision agriculture technologies and their applications 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 module.**

**Assignments: 50%**  
**Project Report: 50%**

Any restrictions on enrollment: number of students, background preparation or prerequisite courses: **Enrollment in graduate program**