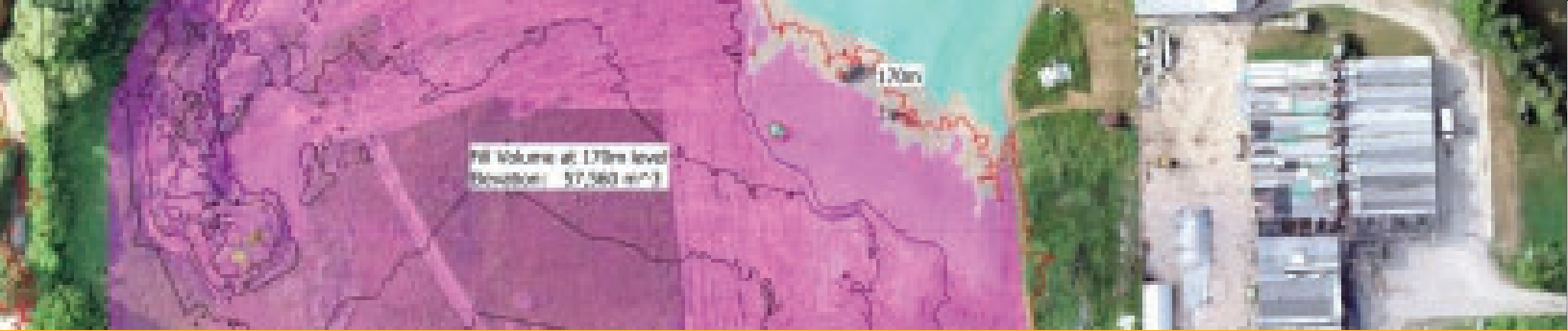




PHOTOGRAMMETRY

2 DAY PRACTICAL SEMINAR





Overview

This two day [in-person seminar](#) introduces students to the fundamentals of photogrammetry. Students will learn about the tools, techniques, and best practices required to successfully produce a range of photogrammetric outputs, including orthomosaics, textured meshes, and point clouds.

The seminar will address the full photogrammetry workflow, covering mission planning, automated and manual data collection, quality control standards, processing, and output file formats. Specific emphasis will be placed on the theory and practical application of different data collection methods required for various photogrammetry project requirements. Students will learn about the difference between automated nadir and oblique datasets and their respective use cases, as well as best practices for manually flown infrastructure and building envelope data collection.

Students will also learn about the critical roll of GNSS positioning and the use of ground control points to increase the global accuracy of photogrammetry productions. To conclude, the seminar will provide an overview of further data segmentation techniques like feature extraction and the classification of point cloud datasets.

This seminar is designed to equip students with the knowledge and skills required to produce high-quality, professional photogrammetry projects adapted to a wide range of use cases.



PHOTOGRAMMETRY

Course Details

Duration

Two Days (9am to 5pm)

Pre Requisites

Advanced Pilot Certificate
(or equivalent)

Locations

The course is currently delivered at locations in BC, MB, ON, QC, and PE

Pricing

\$1,199 per student, plus applicable taxes.

**Course discounts available with purchase of select drones and/or sensors from the Volatus Store*

Schedule

Please check our website for the latest course schedule and availability in your area

Let Us Come To You...

We offer bespoke on-location training options to meet your custom needs. An ideal solution for larger groups or capacity building in specific use cases. Inquire today!



Lesson Plan

Day 1

- Introduction to photogrammetry techniques and mission planning
- Operational skills for nadir and oblique data capture
- Manual façade and structural data capture techniques
- RTK GNSS positioning and using ground control points
- Calibration errors and accuracy considerations

Day 2

- Introduction to DJI Terra
- Photogrammetry production workflow for 2D and 3D outputs
- Post processing and stitching of 2D and 3D data
- Production types and output file formats
- Q&A and Graduation

