



“RPAS Flight School” Course Outline

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Course Duration: 8 hours (4hr in field, 4hr in-class)

Course Description

This course is designed for new or experienced remotely piloted aircraft system (RPAS) operators who have completed RPAS Ground School training through M3 Aerial Productions (a Volatus Aerospace company). Due to discontinuity between the content that other “compliant” RPAS Ground Schools in Canada offer, we require students who have completed alternate training programs to at least complete the M3 2-day in-class “UAV Systems in Industry” portion of the program. If the student has no prior training in aviation, the entire RPAS Ground School course (both online and in-class portions) must be completed prior to completing RPAS Flight School.

M3 Aerial Productions is registered with Transport Canada as a Compliant RPAS Ground School, and our instructors are experienced RPAS pilots and trainers. Upon successful completion of the RPAS Flight Training course, you will receive a certificate of completion. Which can be used to supplement your RPAS Ground School certification when you apply for a Special Flight Operations Certificate.

****NOTE: This course involves a large amount of hands on training in the field, therefore, course dates are scheduled as “weather permitting” (Weather Dates will be identified)***

Content Overview

Course content will focus on the following learning outcomes:

- Mission Planning Sequence
- Communications with NAV CANADA
- Flight Planning Software
- Semi-Autonomous Operations
- Mapping at Different Altitudes
- DJI Intelligent Flight Modes
- Operating and Flight Rules
- Use of the Canada Flight Supplement
- Takeoff and Landing Procedures
- Basic Radio Communications
- Data Collection Strategies
- Maintenance Checks
- GPS-Assisted Flight Training
- Safe Battery Maintenance
- Pilot Awareness
- Dealing with Emergencies
- Weather Constraints
- Crew Management
- Aircraft Airworthiness Test
- Data Processing Platforms
- Data Analysis
- Data Sharing

Formative Evaluation There will not be a final examination, but rather an opportunity for students to complete a flight checks throughout the course, achieving proficiency in various skill categories, which they will receive constructive feedback to help with future operations.