

Duration: 2 days (14 hours)

Schedule: 9:30am – 17:30pm

Prerequisites: Photogrammetry

Course Objective:

- Deepen the basics of photogrammetry
- Carry out two practical exercises
- Plan, execute and evaluate a complex photogrammetry project (3D reconstruction)

Syllabus :

Chapter	Topic	Description
1.	Basic principles and business aspects	<ul style="list-style-type: none">• Basics (short rehearsal)• Commercial aspects such as<ul style="list-style-type: none">○ Different applications○ Customers, competitors○ Challenges○ Product vs. Service○ Pricing
2.	Mapping competition	<ul style="list-style-type: none">• Conducting a typical mission in a group<ul style="list-style-type: none">○ Clarifying the mission○ Equipment selection○ Planning the flight○ Execution of the flight○ Evaluation of the mission○ Discussion, Debriefing
3.	In-depth subjects	<ul style="list-style-type: none">• Drones and sensors• RTK/PPK GPS/GNSS• Georeferencing, coordinate and elevation systems• Point cloud classification, terrain models• Vectorization• Post-processing such as cross-sections, volume calculations
4.	Advanced 3D Reconstitution	Execution of a complex 3D reconstruction project from A to Z, including terrain survey and evaluation.