

Aerial Mapping & Data Processing – Training Syllabus

Day	Location	Time	Content
Day 1	Classroom	9am – 12pm	<ul style="list-style-type: none"> • Introduction to Aerial Mapping • Types of Outputs, Key Aerial Mapping Terminology • Flight Planning, Data Collection, Meteorology
	Lunch Break (12pm – 1pm)		
	Classroom	1pm – 5pm	<ul style="list-style-type: none"> • Pre-flight Checklist & Flight Safety • Rules and Regulations, Flight Permit Application, Roles in Drone Operations, Crew and Task Management
Day 2	Field Practical	9am – 12pm	<ul style="list-style-type: none"> • Practical Training – Flight Mission Planning, Setting up GCPs, Data Acquisition
	Lunch Break (12pm – 1pm)		
	Field Practical	1pm – 5pm	<ul style="list-style-type: none"> • Practical Training – Flight Mission Planning, Setting up GCPs, Data Acquisition
Day 3	Classroom	9am – 12pm	<ul style="list-style-type: none"> • Introduction to Photogrammetry and LiDAR processing (Basic Concepts) • Photogrammetry Processing with Pix4D Mapper (Project Preparation, GCP, Processing a Project, Editing Deliverables, QA/QC) • PPK Processing with Emlid Studio
	Lunch Break (12pm – 1pm)		
	Classroom	1pm – 5pm	<ul style="list-style-type: none"> • Processing Practical Session • Q&A
Day 4	Classroom	9am – 12pm	<ul style="list-style-type: none"> • LiDAR Processing with DJI Terra (Introduction to Zenmuse L1 and DJI Terra) • Point Cloud Processing with Global Mapper (Managing CRS, Data QA/QC, Classification, Preparing Deliverables)

Lunch Break (12pm – 1pm)		
	1pm – 5pm	<ul style="list-style-type: none">• Processing Practical Session• Q&A

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