

## UAS Inspection - Syllabus

Date		Time	Course Content	Course Details
Day 1	Morning	9:00-9:40	Class introduction	UTC&DJI Academy introduction, course structure introduction (theory + practice)
			Flight Safety	Danger and factors of flight safety
		9:50-12:00	APP teaching (DJI Pilot or GS Pro)	Flight interface (Grid flight, ATTI, flight parameters), setting page (RTH related are the priorities) Camera parameter settings (the effect of light on Inspection Task)
	Lunch Break (12:00-13:00)			
	Afternoon	13:00-14:00	Student Level test	The test items are rectangular routes, which are grouped according to the assessment results
		14:00-17:00	Outdoor practical flight safety	Drone assembly, compass calibration Fixed-point landing, rectangular flight training, circle flight training
Day 2	Morning	9:00-10:20	Indoor practical drone calibration	IMU calibration, visual calibration,
		10:40-12:00	Outdoor practical advanced flight	Review circular flight training Single picture acquiring flight FPV single picture acquiring flight
	Lunch Break (12:00-13:00)			
	Afternoon	13:00-14:30	Outdoor advanced practical flight	Multiple pictures acquiring in a specific area
		14:30-17:00		Multiple pictures acquiring in fpv area
Day 3	Morning	9:00-10:20	Outdoor practical emergency flight	FPV manual RTH flight training RTH flight training under 3 emergencies
		10:40-12:00	Outdoor practice smart flight	Smart functions (smart follow, surround, waypoint flight, panorama, etc.)
	Lunch Break (12:00-13:00)			
	Afternoon	13:00-17:00	1. Introduction to RTK and route planning software	
			2. Introduction to Zoom Camera	
3. Introduction to the thermal camera				
	4. Introduction to processing software	RTK principle, APP Introduction (DJI pilot or GS pro, GS RTK) ,choose according to real situation (waypoint flight, 2D route, 3D route), Zoom Camera, Thermal cameral		
	5. Inspection case introduction	Inspection case introduction (related industries chosen according to demands)		

Day 4	Morning	9:00-10:00	Theory Test Preparation	Theory Test Preparation
		10:00-11:30	Theory Test	
	Lunch Break (12:00-13:00)			
	Afternoon	13:00-17:00	Outdoor training	Multidimensional flight training 360 degree rotation flight training under A mode, rectangular route flight training under A mode



HQ Address :No. 18, 1st Floor, Resource Centre, Technology Park Malaysia, 57000 Bukit Jalil, Kuala Lumpur, Malaysia.

Email : sales@djiacademyselangor.com

Phone : 018-355 6000

Website : www.djiacademyselangor.com