



## UAS Inspection Training Syllabus

Date	Time	Course Content	Course Details
Day 1	9:00 – 9:40	Class introduction	UTC & DJI Academy introduction, course structure introduction (theory + practice)
	9:50 – 12:00	Flight Safety	Danger and factors of flight safety
	Lunch Break (12:00 – 13:00)		
	13:00 – 14:00	Student level test	The test items are rectangular routes, which are grouped according to the assessment results
Day 2		Outdoor practical flight safety	Drone assembly, compass calibration, fixed-point landing, rectangular flight training, circle flight training
	9:00 – 10:20	Indoor practical drone calibration	IMU calibration, visual calibration
	10:40 – 12:00	Outdoor practical advance flight	Review circular flight training, single photo acquisition flight, FPV single photo acquisition flight
	Lunch Break (12:00 – 13:00)		
Day 3	13:00 – 17:00	Outdoor advance practical flight	Multiple photo acquisition in a specific area, multiple photo acquisition in FPV area
	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)		
	13:00 – 17:00	Introduction to RTK and route-planning software	

		<p>Introduction to Zoom Camera</p> <p>Introduction to Thermal Camera</p> <p>Introduction to Processing Software</p> <p>Inspection case introduction</p>	<p>RTK principle, APP introduction (DJI Pilot 2) in real situations (waypoint flight, 2D route, 3D route) Zoom Camera, Thermal Camera</p> <p>Inspection case introduction (related industries chosen according to demand)</p>
Day 4	9:00 – 10:00	Theory test preparation	
	10:00 – 11:30	Theory test	
	Lunch Break (12:00 – 13:00)		
	13:00 – 17:00	Outdoor training	<p>Multidimensional flight training</p> <p>360-degree rotation flight training under A mode, rectangular route flight planning under A mode</p>

### **DJI ACADEMY SARAWAK**

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