

UAS Pilot Training - Syllabus

Course Objectives	<ol style="list-style-type: none"> 1. Safety – Safe flying and how to react during emergency situations 2. Solution – Understanding DJI commercial UAS solutions and the latest UAS technology 3. Operation – Learning about the DJI Pilot app and how to operate DJI’s latest commercial drone platform 4. Mission – Utilizing UAS to capture mission data 5. Maintenance – Standard equipment maintenance operations
--------------------------	---

Onsite Training

Day	Location	Lesson	Time	Content	Objective	
Day 1	AM	Classroom	Overview & Safety Education	9:00-9:30	<ol style="list-style-type: none"> 1. Introduce onsite training schedule & testing; 2. Review and stress on the safety flight; 	<ol style="list-style-type: none"> 1. Understand the training schedule and testing procedures; 2. Build up and stress on safety awareness
			Drone System & Operation	9:30-11:00	Review UAS system & DJI Pilot	<ol style="list-style-type: none"> 1. Be familiar with drone system; 2. Be familiar with DJI Pilot; 3. Be familiar with M2E
			Maintenance Practice	11:00-12:00	Review and practice maintenance and system care with M2E;	Know how to do basic maintenance and system care
	Lunch Break (12:00-13:00)					
	PM	Flight Field	Flight Preparation	13:00-13:30	Set-up, preflight check, safety strategy setting, etc.	Know how to set up drone & prepare for safety flight
			Task 1: Basic Flight Practice	13:30-14:30	Take-off - straight route - landing (incl. remote landing)	Be familiar with the maneuvering of take-off, straight flight at constant velocity, land at specific spot
			Task 2 & 3: Route Flight Practice	13:30-14:30	Rectangular route flight (Tail-in & nose-in)	Achieve stable and straight rectangular route flight with orientation of tail-in & nose-in
			Task 4 & 5: Circling flight	14:30-17:00	Circle route flight (nose-in & point-to-center)	Improve maneuvering skill and achieve stable and constant-velocity circle route with orientation of nose-in and point-to-center
Day 2	AM	Classroom	Emergency Procedures	9:00-9:30	Review and interpret common emergencies during flight	Be familiar with common emergency issues and troubleshooting
		Flight Field	Task 8, 9, 10, 11: Emergencies Procedures	9:30-12:00	Lost of GPS signal, lost of remote signal, lost orientation, low battery	Be familiar with the response operation to common emergencies (hands-on)
	Lunch Break (12:00-13:00)					
		Task 6: FPV Flight	13:00-14:00	Practice flying with the drone’s FPV feed	Be familiar with the FPV flight	

	PM	Flight Field	Task 7: Inspection Mission	14:00-17:00	Set up an inspection area, randomly place several QR codes; fly the drone in screen view to search specific targets and take clear photos (QR code shall be recognized)	1. Can fly the drone to search targets (FPV); 2. Know how to set camera and parameters to take clear photos;	
Day 3	AM	Classroom	Theory Examination	9:00-10:30	UTC online examination system	Score 80% or above to pass the theory examination (100 multiple choice questions)	
		Classroom	Practice Test Interpretation	10:30-11:00	Introduce practice test procedures and standards	Be familiar with the testing procedures and standards	
		Flight Field	Practice and Test Preparation	11:00-12:00	Students go through the test procedure and practice	Improve skills and practice to ensure a pass	
	Lunch Break (12:00-13:00)						
	PM	Flight Field	Practice and Test Preparation		13:00-14:00	Students go through the test procedure and practice	Improve skills and practice to ensure a pass
			Practice Test		14:00-17:00	Part 1: preflight set-up and check; Part 2: circling flight maneuvering; Part 3: inspection mission (search & capture QR code) Part 4: emergencies procedures Part 5: post test operation	Score 80% or above to pass the practical test
Closing event							



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