

Organiser :



Professional Aviation Training Tour in Australia

01-05 JUL 2019
5 days in
Hong Kong
+
14-21 JUL 2019
8 days in
Australia

CLASS
SIZE

15-20

ROOM
TYPE

TWIN

AGE

13-17

ACHIEVEMENT

- Australia Airmen Registration Number
- Aeronautical Radio Operator Certificate
- Remote Pilot Licence Theory Examination - Credit
- Remote Pilot Licence (RePL) CASA Certified Licence
- Remote Pilot Licence (RePL) Endorsement - Fixed Wing

HIGHLIGHTS

- Intensive UAV Training
- Extraordinary Team Mission
- Caloundra Aviation Museum
- B737 Simulator Training
- Brisbane Night Tour

Cost includes: Hong Kong to Australia round-trip airfare with all taxes, local airport transfers, local English courses, off-campus excursions, accommodation with meals, graduation certificate, and travel insurance.

COURSE IN HONG KONG

Title	Topic	Means of Instruction	Contact Hour
Overview and Background	A. Definitions B. History of UAVs C. Classifications of UAVs i. scale ii. lift generation method D. Contemporary applications i. military ii. government iii. civil E. Societal impact and future outlook F. Operational considerations i. liability / legal issues ii. insurance iii. ethical implications iv. human factors v. LOS / BLOS	- Lecturing - Classwork - Discussion - Laboratory activities - Drone Training	8
UAV Components	A. Platforms i. configurations ii. characteristics iii. applications B. System Electric Systems C. On-board flight control D. Payloads i. sensing / surveillance ii. weaponized iii. delivery E. Communications i. command/control ii. telemetry F. Launch / recovery systems G. Ground control stations	- Lecturing - Classwork - Discussion - Laboratory activities	16
Concepts of Flight	A. Aerodynamics i. lift / weight / thrust / drag B. Flight performance i. climbing vs. gliding flight ii. range / endurance C. Stability and control i. flight axes ii. flight controls iii. autopilots	- Lecturing - Classwork - Discussion - Drone Training	8
Regulatories and regulations	A. Regulatories B. Foreign regulatories C. Regulations D. License E. Safety considerations	- Lecturing - Classwork/ Understanding Charts	4
Future Development	A. A.I. Application in UAV operations i. Application of Artificial Intelligence(A.I.) ii. Computer Vision and UAV	- Lecturing - Classwork - Discussion - Drone Application	4

AUSTRALIA RePL LICENCE (1 Week @ Australia)

DAY 1	DAY 2	DAY 3	DAY 4
12:40 - 23:30 Hong Kong to Brisbane	Archerfield Airfield Tour Theory Day 1 Continue with Aviation English and Radio Technique	Theory Day 2 Field Exercise 2.0 Hrs UAV (MultiRotor) Night Revision	Radiotelephony Practical Test / Mock + Review Field Exercise 2.0 Hrs UAV (MultiRotor) Night Revision
DAY 5	DAY 6	DAY 7	DAY 8
CASA RePL theory test Field Exercise 1.0 Hrs UAV (Advance MultiRotor) Field Test 0.5 Hrs UAV (Advance MultiRotor) Brisbane Night Tour	Extraordinary Team Mission (Click & Climb + Laser Mission + Go-Kart)	B737 Briefing Caloundra Aviation Museum / B737 Simulator Training 22:00 - 00:45 Brisbane Int'l to Hong Kong	00:45 - 07:30 Hong Kong Int'l Airport

TRAINER INFO

Name	Role	Profession	
Prof. Chu / Associate	AROC Trainer	Academia	Language Training
Branden Poon	Safety Trainer	ex-Airlines Manager	Safety / SMS Training
Mattis Tsang	Pilot / UAV Pilot	CASA Certified License	Safety / Application
Danny Lee	UAV Pilot	ex-Military Personnel	Application

REFERENCE

- B. Tait & B Harris (2016). Remote Pilot Licence: Study Guide. Bod Tait Theory School: Australia
 CASA (1996), Flight Radiotelephony Operator Licence: Syllabus of Training. CASA, Australia
 FAA (2016), Remote Pilot - Small Unmanned Aircraft Systems Study Guide, U.S. Department of Transportation, FAA: Washington