

Course Objective

This course is designed to *prepare students to pursue pilot career development in HK and illustrate the basic theories required as a recreation pilot by CASA*. It also provides comprehensive information about Hong Kong aviation industries.

Lesson	Content
1	Hong Kong Aviation Industry Development <ul style="list-style-type: none"> - Airlines - Non-Airlines
2	Aircraft General Knowledge <ul style="list-style-type: none"> - Different types of aircraft - Aircraft components (external) and their working principles
3	Aircraft General Knowledge <ul style="list-style-type: none"> - Aircraft components (internal) and their working principles
4	Aerodynamics <ul style="list-style-type: none"> - Three axes of motion - Four forces in level, turn, climb and descend - Rate of climb & angle of climb
5	Aerodynamics <ul style="list-style-type: none"> - Lift formula and its relationship with Angle of Attack, wing surface and speed - Stall, spin and spiral dive
6	Air Law <ul style="list-style-type: none"> - Airmanship - Air law in Australia
7	Meteorology <ul style="list-style-type: none"> - Precipitation - Weather Decoding
8	Human Factors <ul style="list-style-type: none"> - eyes, ears and brain - disorientation and illusion
9	Aircraft performance <ul style="list-style-type: none"> - Takeoff/landing performance - mass and balance, stabilities
10	Radio Operations <ul style="list-style-type: none"> - frequency range used in aviation - radiotelephony
11	Navigation <ul style="list-style-type: none"> - 1 in 60 & different type of headings - Introduction to flight computer
12	Examination, Demonstration and Practice
13	Insider Sharing

Graduation Criteria:

Trainees will be awarded the Certificate if they have fulfilled the following course requirements:

- i) Attain an attendance of 80% or above;
- ii) Pass the overall assessment; and
- iii) Pass the final examination.