High Altitude Training Ground and Flight

3 Hours Ground 1 Hour Flight

N_____ Pilot_____

A/C Type_____ Date_____/_____/_____

Hobbs Start_____ Hobbs End_____

Ground Training

_____The High Altitude Flight Environment.
(i) Airspace.
(ii) FAR.

_____Weather.
(i) The atmosphere.
(iii) Clouds and thunderstorms.
(iv) Icing.

_____Flight Planning and Navigation.
(i) Flight planning.
(ii) Weather charts.
(iii) Navigation.
(iv) Navaids.

_____Physiological Training.
(i) Respiration.
(ii) Hypoxia.
(iii) Effects of prolonged oxygen use.
(iv) Decompression sickness.
(v) Vision
(vi) Altitude chamber (optional).

_____High Altitude Systems and Components.
(i) Turbochargers.
(ii) Oxygen and oxygen equipment.
(iii) Pressurization systems.
(iv) High altitude components.

_____Aerodynamics and Performance Factors.

_____Emergencies.
(i) Decompressions.
(ii) Turbocharger malfunction.
(iii) Inflight fire.
(iv) Flight into severe turbulence or thunderstorms.

Flight Training

_____Preflight Briefing.

_____Preflight Planning.
(i) Weather briefing and considerations.
(ii) Course plotting.
(iii) Airplane Flight Manual review.
(iv) Flight plan.

_____Preflight Inspection.

_____Runup, Takeoff, and Initial Climb.

_____Climb to High Altitude and Normal Cruise

_____Operating Above 25,000 Feet MSL.
(a) Emergencies.
(b) Simulated rapid decompression.
(c) Emergency descent.

_____Planned Descents.

_____Shutdown Procedures.

_____Postflight Discussion.