



2022 4-Day Comprehensive Mountain and Canyon Flying Course Schedule

Day 1:

- 09:00 – 13:30 Registration and Check-In
- 13:00 – 14:10 Introduction
- 14:10 – 15:45 **Preparing the Pilot for Mountain/Canyon Flight (Chapter 1)**
Getting the Numbers for Mountain and Canyon Flight: Aircraft Performance Work Sheet
Steep Stabilized Approach: *How do we do it and why do we like it!*
Backcountry Takeoff Procedures, (ground roll, climb to 50ft)
Emergency Canyon Turns: The Mind Set of having a *Way Out!*
Turn Radius and Airspeed, Canyon Turns. (**Chapter 1**)
- 15:45 – 16:00 Break
- 16:00 – 16:50 **Backcountry Preflight Items (Chapter 1)**
- 17:00 – 17:30 Aircraft Inspections (conducted with your A/C, flight line MYL)
- 18:00 – 21:00 Get Acquainted Dinner/Flight Assignments

Day 2:

- 06:00 – 11:00 Morning's flight
- 13:00 - 13:30 Flight Debrief, Risk Management and Review of Aircraft Performance Cards
- 13:45 - 14:45 **Mountain & Canyon Navigation – Getting There (Chapter 3)**
Flight Planning, Types of Drainage Navigation, Ridge Crossing, Descending into Confined Areas, Applying the emergency canyon turns, Contour Flying
- 14:45 - 15:00 Break
- 15:00 - 16:10 **Landing Areas – Overhead Observation “The Shopping List” (Chapter 5)**
Runway surface conditions and hazards, Game or livestock on the runway, Other aircraft operations, Runway gradient, Wind direction(s) and intensity, Gradient vs. Wind, Surrounding terrain and obstacles, Planned approach path, Planned departure path, Emergency landing spots for approach and departure, and Abort point
- 16:10 - 16:30 Flight assignments

Day 3:

- 06:00 - 11:00 Morning's flight
- 13:00 - 13:30 Flight Debrief, Risk Management
- 13:30 - 13:40 Break
- 13:40- 14:20 **Mountain and Canyon Meteorology (Chapter 2)**
- 14:20 – 14:30 Break
- 14:30 - 15:30 **Flying the Approach - Confined Areas Operations (Chapter 6)**
Every Good Landing Starts in the Pattern, How to design a standard pattern in a non-standard environment
- 15:30 - 15:45 Break (Flight assignments)
- 15:45 - 16:30 **Aim-Point Airspeed**, Move the Aim-Point, The Backcountry Landing, You've Landed! Now What?

Day 4:

- 06:00 - 11:00 Morning's flight
- 13:00 – 13:30 Flight Debrief, Risk Management
- 13:30 – 13:45 Break
- 13:45 - 14:45 **Density Altitude (Chapter 4)**
Flight Debrief / Risk Management, Determining Density Altitude (DA), Reduction in Engine Horsepower due to DA Increase, Power Loading and Weight Reduction, Takeoff Performance, Landing Performance & Climb Performance,
- 14:45 – 15:00 Break
- 15:00 – 16:00 **Emergency Operations in the backcountry, Land Lightly; Etiquette and Courtesies (Chapters 7 & 8)***History of Backcountry Airstrips Handout*
- 18:30 – 22:00 **Final Banquet Dinner**