

Leighnor Aircraft
Private Pilot Ground School
Syllabus

Course: Private Pilot Ground School, MTuW, 05:15pm-0730pm. Leighnor Aircraft Classroom.

Course Description: To provide student pilots adequate knowledge to take the private pilot written exam.

Instructor: Arinola “Rain” Ojehomon
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Required Materials: Dauntless Aviation for Private Pilot
E6B/CX-2
Flight Computer
Rotating Plotter
Phoenix Sectional Chart
Southwest Chart Supplemental
2021 FAR/AIM

Course goals:

- An understanding in the following topics:
 - General Aircraft Structure
 - Principles and Aerodynamics of Flight
 - Flight Controls and Instruments
 - Weight and Balance
 - Performance and Limitations
 - Aircraft Systems
 - Regulatory Guidance
 - Certificates and Documents
 - Airworthiness Requirements
 - Aeromedical Factors
 - Aeronautical Decision Making
 - Airspace and Airport Operations in a controlled and uncontrolled tower
 - Radio Communication
 - Weather
 - Cross Country Flight Planning
 - Pilotage and Dead Reckoning
 - Lost Procedures
 - GPS and Radio Navigation

Course Policies:

Attendance is required. If you must miss class, it is your responsibility to stay current.

Course Outline:

09/13/2021 Assignment	Aircraft Structure Principles of Flight <i>None</i>
09/14/2021 Assignment	Principles of Flight <i>None</i>
09/15/2021 Assignment	Aerodynamics of Flight <i>None</i>
09/20/2021 Assignment	Aerodynamics of Flight <i>None</i>
09/21/2021 Assignment	Aerodynamics of Flight Flight Controls Weight and Balance <i>Dauntless Aviation- Aerodynamics</i>
09/22/2021 Assignment	Weight and Balance <i>Dauntless Aviation- Weight and Balance</i>
09/27/2021 Assignment	Performance and Limitation <i>None</i>
09/28/2021 Assignment	Performance and Limitation <i>Dauntless Aviation- Performance</i>
09/29/2021 Assignment	Systems <i>None</i>
10/04/2021 Assignment	Systems <i>Dauntless Aviation- Systems</i>
10/05/2021 Assignment	Flight Instruments <i>None</i>

**10/06/2021
Assignment**

Flight Instruments
None

**10/11/2021
Assignment**

Radio Navigation
GPS Navigation
Dauntless Aviation- Instrumentation and Avionics

**10/12/2021
Assignment**

Regulations
Certificates and Documents
None

**10/13/2021
Assignment**

Airworthiness Requirements
Dauntless Aviation- Maintenance Requirements
Dauntless Aviation- Federal Aviation Regulation
Dauntless Aviation- Pilot Certification and Limitation
Dauntless Aviation- NTSB Part 830

**10/18/2021
Assignment**

Aeromedical Factors
Aeronautical Decision Making
Dauntless Aviation- Physiology and Psychology

**10/19/2021
Assignment**

Airport Operations
None

**10/20/2021
Assignment**

Airport Operations
Dauntless Aviation- Ground Facilities
Dauntless Aviation- Operations

**10/25/2021
Assignment**

Radio Communications
None

**10/26/2021
Assignment**

Safe and Efficient Operation of Aircraft
None

**10/27/2021
Assignment**

Airspace
Dauntless Aviation- Clearance and Procedures

11/01/2021 Assignment	Airspace <i>Dauntless Aviation- Airspace</i>
11/02/2021 Assignment	Weather
11/03/2021 Assignment	Weather <i>Dauntless Aviation- Weather</i>
11/08/2021 Assignment	Weather <i>Dauntless Aviation- Weather- Thunderstorms & Turbulence</i>
11/09/2021 Assignment	Weather <i>Dauntless Aviation- Weather Services Dauntless Aviation- Weather Services-Charts</i>
11/10/2021 Assignment	Charts and Cross Country Flight planning <i>None</i>
11/15/2021 Assignment	Cross Country Flight planning <i>None</i>
11/16/2021 Assignment	Cross Country Flight Planning <i>None</i>
11/17/2021 Assignment	Cross Country Flight Planning <i>Dauntless Aviation- Flight Planning Dauntless Aviation- Maps and Chart</i>
11/22/2021 Assignment	Pilotage and Dead Reckoning Lost Procedures and Diversions <i>None</i>
11/23/2021 Assignment	Questions? <i>None</i>
11/29/2021	Rain's exam