

# **COMMERCIAL PILOT GROUND TRAINING COURSE SYLLABUS**

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## **COMMERCIAL PILOT - AIRPLANE TRAINING COURSE SYLLABUS**

### **COURSE OBJECTIVES**

The student will obtain the knowledge skill and experience necessary to pass the Commercial Pilot Airplane FAA written test.

### **COURSE COMPLETION STANDARDS**

The student must demonstrate through tests and school records that the aeronautical knowledge requirements necessary to obtain an endorsement for the Commercial Pilot Airplane FAA written test.

## **TRAINING COURSE SYLLABUS COMMERCIAL PILOT - GROUND**

### **COURSE INTRODUCTION**

ATD Flight Systems Training Course Syllabus for the Commercial Pilot – Ground is the syllabus portion of the ATD Flight Systems 14 CFR Part 141\* Approved Commercial Pilot Ground Training Course. This syllabus provides a logical, structured sequence that maximizes learning and meets 14 CFR Part 141 training time requirements. Training times must be increased slightly to meet 14 CFR Part 61\* requirements for students training under those rules. This Training Course Syllabus contains ground lessons appropriate to the Commercial Pilot Rating.

### **COURSE CONCEPT**

The Commercial Pilot Ground course utilizes the building-block theory of learning, which recognizes that each item taught must be presented on the basis of previously learned knowledge and skills.

For optimum effectiveness, the viewing of the associated video segments should be completed prior to the respective ground lessons.

### **COURSE ELEMENTS**

The course includes the latest FAA pilot certification requirements and a maximum of student-oriented instruction. The syllabus and support materials not only provide necessary information, but also guide the student through the course in a logical manner.

### **STUDENT INFORMATION**

#### **COURSE ENROLLMENT**

To be enrolled in this course, you must hold a Private Pilot Certificate with an Instrument Rating.

### **LESSON TIMES**

Lesson times are specified as a guide to meeting the 14 CFR Part 141 training requirements for the Commercial Pilot Ground Course. Under the building block concept, however, the student must achieve a specific level of proficiency before starting the next lesson. Lessons may be combined or repeated as needed based on the progress made by the student. The Course Time Allocation Table is provided for planning purposes. It is imperative that the instructor and student periodically review the student's overall progress and determine that the training requirements are consistently being met.

### **STUDENT STAGE TESTS**

Stage tests measure the student's accomplishments during each stage of training. This

procedure provides close supervision of training. An examination of the building-block theory of learning will show that it is extremely important for progress and proficiency to be satisfactory before the student enters a new stage of training. Therefore, the next stage should not begin until the student successfully completes the current stage test. Failure to follow this progression may defeat the purpose of the stage check and lead to overall course breakdown.

## GRADING

Evaluation is an essential part of the teaching process. The student must be apprised of his or her progress. All instructional lessons must be graded in accordance with the following criteria.

Each ground task will be evaluated at the completion of each instructional lesson.

1 = EXCELLENT	The student demonstrates knowledge or skills with no procedural or mechanical errors and the flight instructor does not provide any assistance
2 = ABOVE AVERAGE	The student demonstrates knowledge or skills that exceed standards. Occasional procedural or mechanical errors are quickly recognized and corrected.
3 = AVERAGE	The student consistently demonstrates knowledge and skills that meet standards with timely recognition of procedural or mechanical errors.
4 = BELOW AVERAGE	The student demonstrates knowledge and skills with difficulty, is slow in recognizing and correcting procedural or mechanical errors.
5 = BELOW ACCEPTABLE STANDARDS	The student does not demonstrate adequate knowledge or skills, is unable to recognize and correct procedural or mechanical errors.
I = INCOMPLETE	The student has not completed the pilot operation listed

Each ground lesson will be assigned an overall grade based on the following criteria.

S = SATISFACTORY	The content of the lesson has been completed to the standards outlined in the individual lesson Completion Standards.
U = UNSATISFACTORY	Indicates that all or part of the lesson content was not completed to the standards outlined in the individual lesson Completion Standards. One or more pilot operations graded as a "5" will require an overall grade of unsatisfactory.
I = INCOMPLETE	Indicates the content of the lesson was not completed, but the pilot operations covered were satisfactory. Pilot operations not completed must be indicated with an "I".

**Course Time Allocation Table**

STAGE NO.	LESSON	TRAINING TIMES			
		FLT	INSTRUMENT TIME (ACTUAL OR SIMULATED)	FTD	DISCUSSION
I	1				2.5
I	2				2.5
I	3				3.0
I	4				2.0
I	5				3.0
I	6				3.0
I	7				3.0
I	8				2.0
STG I TEST					1.0
STG I TOTALS					22.0
II	9				3.0
II	10				3.0
II	11				2.5
II	12				2.5
STG II TEST					1.0
STG II TOTALS					12.0
END OF COURSE TEST					3.0
COURSE TOTALS					37.0
FAA 141 REQUIREMENTS					35.0 Hours

## **STAGE I**

### **STAGE OBJECTIVE:**

During this stage, the student will gain further knowledge about aerodynamics, airports, FAR's, aeromedical, and weather

### **STAGE COMPLETION STANDARDS:**

At the completion of this stage, the student will have passed a written test on the objectives in Stage I with a minimum score of 80%

**STAGE I  
LESSON 1  
DUAL - GROUND  
AIRPORTS**

**LESSON OBJECTIVE:**

During this lesson, the student will further develop their knowledge of wind direction indicators, airport operations, runway incursions, and traffic avoidance.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ Wind Direction Indicators
- \_\_\_\_\_ Airport, Runway and Taxiway Signs
- \_\_\_\_\_ Airport, Runway and Taxiway Markings
- \_\_\_\_\_ Collision Avoidance
- \_\_\_\_\_ Airport, Runway and Taxiway Lighting
- \_\_\_\_\_ Radio Calls and Checks
- \_\_\_\_\_ CTAF

**Lesson Introduction**

- \_\_\_\_\_ Obtaining Airport Advisories
- \_\_\_\_\_ Scanning for Traffic
- \_\_\_\_\_ Traffic Pattern Operations
- \_\_\_\_\_ Practice Area Operations
- \_\_\_\_\_ Runway Incursions
- \_\_\_\_\_ Use of Aircraft Lighting

Lesson Grade/Date \_\_\_\_\_  
 Lesson time \_\_\_\_\_  
 CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of wind indicators, airport operations, and traffic avoidance.

**REQUIRED STUDY:**

- AC 91-73 - Part 91 Pilot and Flightcrew Procedures during Taxi Operations and Part 135 Single-Pilot Ops.
- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR - 14 CFR Aviation Regulations
- AIM - Aeronautical Information Manual

<p><b>Notes:</b></p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE I  
LESSON 2  
DUAL - GROUND  
AERODYNAMICS**

**LESSON OBJECTIVE:**

During this lesson, the student will further develop their knowledge of the four forces of flight, forces occurring on an aircraft not in straight and level flight, and the effects of flaps.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ 4 Forces of Flight
- \_\_\_\_\_ Airframe Construction
- \_\_\_\_\_ Three Axes of Flight
- \_\_\_\_\_ Angle of Attack
- \_\_\_\_\_ Effects of Flaps
- \_\_\_\_\_ Critical Angle of Attack/Stalls
- \_\_\_\_\_ Spin Awareness
- \_\_\_\_\_ Static Stability

**Lesson Introduction**

- \_\_\_\_\_ Dynamic Stability
- \_\_\_\_\_ Dihedral Effect
- \_\_\_\_\_ Ground Effect
- \_\_\_\_\_ Wing Tip Vortices
- \_\_\_\_\_ Wake Turbulence & Avoidance
- \_\_\_\_\_ Load Factor & Gusts
- \_\_\_\_\_ Spin Entry, Spins, Spin Recovery

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of the four forces of flight, stability, the basic components of aircraft construction, forces acting on aircraft when not in straight and level flight, the effect of flaps, load factors, ground effect, wing tip vortices, and wake turbulence & avoidance procedures.

**REQUIRED STUDY:**

FAA-H-8083-3-AFH  
FAA-H-8083-25-PHAK

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**STAGE I  
LESSON 3  
DUAL - GROUND  
AIRCRAFT SYSTEMS**

**LESSON OBJECTIVE:**

During this lesson, the student will be introduced to aircraft systems, maintenance requirements and dealing with inoperative equipment.

**CONTENT:**

**Lesson Introduction**

- \_\_\_ Fuel System
- \_\_\_ Electrical System
- \_\_\_ Environmental System
- \_\_\_ Primary Flight Controls & Trim
- \_\_\_ Leading Edge Devices & Spoilers
- \_\_\_ Wing Flaps
- \_\_\_ Powerplant
- \_\_\_ Oil System
- \_\_\_ Ignition System
- \_\_\_ Propeller
- \_\_\_ Hydraulic System

**Lesson Introduction**

- \_\_\_ Landing Gear
- \_\_\_ Aircraft Equipment List
- \_\_\_ VFR Required Equipment
- \_\_\_ Inoperative Equipment
- \_\_\_ Vacuum System
- \_\_\_ Pitot-Static System
- \_\_\_ Avionics
- \_\_\_ Deicing and Anti Icing Systems
- \_\_\_ Service Bulletins/Airworthiness Directives
- \_\_\_ Magnetic Compass
- \_\_\_ Maintenance Requirements

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of aircraft systems, maintenance requirements and dealing with inoperative equipment.

**REQUIRED STUDY:**

AFM/POH

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**STAGE I  
LESSON 4  
DUAL - GROUND  
AIRCRAFT  
PERFORMANCE**

**LESSON OBJECTIVE:**

During this lesson, the student will further develop their knowledge of the takeoff data card, factors that affect performance, airplane weight and balance, basic performance charts, and wind calculations.

**CONTENT:**

**Lesson Introduction**

**Lesson Introduction**

- \_\_\_\_\_ Factors Affecting Performance
- \_\_\_\_\_ Takeoff Data Card
- \_\_\_\_\_ Airplane Weight and Balance

- \_\_\_\_\_ Basic Performance Charts
- \_\_\_\_\_ Headwind / Crosswind Calculations

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have a knowledge of the takeoff data card, factors that affect performance, how to calculate and interpret an airplane weight and balance, how to use basic performance charts, and how to do headwind / crosswind calculations.

**REQUIRED STUDY:**

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- AFM/POH - Airplane Flight Manual / Pilot Operating Handbook

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**STAGE I  
LESSON 5  
DUAL – GROUND  
WEATHER**

**LESSON OBJECTIVE:**

During this lesson, the student will be introduced to the atmosphere and factors influencing aviation weather.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ The Atmosphere
- \_\_\_\_\_ Pressure
- \_\_\_\_\_ Wind
- \_\_\_\_\_ Moisture
- \_\_\_\_\_ Humidity
- \_\_\_\_\_ Stability

**Lesson Introduction**

- \_\_\_\_\_ Clouds
- \_\_\_\_\_ Air Masses
- \_\_\_\_\_ Fronts
- \_\_\_\_\_ Frontal Weather
- \_\_\_\_\_ Thunderstorms
- \_\_\_\_\_ Other Hazardous Weather Conditions

Lesson Grade/Date	_____	_____
Lesson time	_____	_____
CFI/Student Initials	_____	_____

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of basic atmospheric processes.

**REQUIRED STUDY:**

- AC 00-6-AvWx - Aviation Weather
- AC 00-45-AvWxSvc - Aviation Weather Services
- FAA-H-8083-25-PHAK

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**STAGE I  
LESSON 6  
DUAL - GROUND  
WEATHER REPORTS  
& FORECASTS**

**LESSON OBJECTIVE:**

During this lesson, the student will be introduced to aviation weather charts and reports, and how to obtain a weather briefing.

**CONTENT:**

**Lesson Introduction**

- \_\_\_ Surface Analysis Chart
- \_\_\_ Area Forecast
- \_\_\_ Weather Depiction Charts
- \_\_\_ Low-Level Prognostic Charts
- \_\_\_ TAFs
- \_\_\_ METARs
- \_\_\_ Winds and Temperatures Aloft
- \_\_\_ Pilot Reports

**Lesson Introduction**

- \_\_\_ Weather Briefings (FSS/DUAT)
- \_\_\_ AWOS/ASOS/AWSS Reports
- \_\_\_ Radar Charts
- \_\_\_ AIRMETs
- \_\_\_ SIGMETs/ Convective SIGMETs
- \_\_\_ NOTAMS
- \_\_\_ Wind Shear and Windshear Avoidance
- \_\_\_ Go/No Go Decision

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of aviation weather charts and reports, and the proper way to obtain a weather briefing.

**REQUIRED STUDY:**

- AC 00-6-AvWx
- AC 00-45-AvWxSvc
- AIM

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**STAGE I  
LESSON 7  
DUAL - GROUND  
FAR/ AIM  
NTSB 830 /PTS  
LOGBOOKS**

**LESSON OBJECTIVE:**

During this lesson, the student will further their knowledge of proper decision-making, FARs, NTSB 830, the use of the AIM, pilot and aircraft logbooks, and "other publications.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ 14 CFR Part 1
- \_\_\_\_\_ 14 CFR Part 61 Commercial Limitations
- \_\_\_\_\_ 14 CFR Part 67
- \_\_\_\_\_ 14 CFR Part 91
- \_\_\_\_\_ 14 CFR Part 141
- \_\_\_\_\_ NTSB 830

**Lesson Introduction**

- \_\_\_\_\_ AIM
- \_\_\_\_\_ Pilot Logbooks /Aircraft Logbooks
- \_\_\_\_\_ Practical Test Standards
- \_\_\_\_\_ FAA Advisory Circulars
- \_\_\_\_\_ Aeronautical Decision Making and Judgment

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of proper decision making, FARs applicable to student and Commercial pilots in a 61 or 141 program, NTSB 830, the use of the AIM, pilot and aircraft logbooks, and other publications.

**REQUIRED STUDY:**

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR
- AIM
- Commercial Pilot Practical Test Standards

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**STAGE I  
LESSON 8  
DUAL-GROUND  
AEROMEDICAL**

**LESSON OBJECTIVE:**

During this lesson, the student will further their knowledge of aero medical factors.

**CONTENT:**

Lesson Introduction

- \_\_\_\_\_ 14 CFR Part 67
- \_\_\_\_\_ The Inner Ear
- \_\_\_\_\_ Middle Ear and Sinus Problems
- \_\_\_\_\_ Spatial Disorientation
- \_\_\_\_\_ The Eye
- \_\_\_\_\_ Visual Illusions /Landing Illusions

Lesson Introduction

- \_\_\_\_\_ Hypoxia
- \_\_\_\_\_ Carbon Monoxide Poisoning
- \_\_\_\_\_ Hyperventilation
- \_\_\_\_\_ Alcohol and Drugs
- \_\_\_\_\_ Stress and Fatigue
- \_\_\_\_\_ Dehydration

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of aero medical factors and how they relate to flying activities.

**REQUIRED STUDY:**

FAA-H-8083-25-PHAK  
FAR  
AIM

Notes: _____ _____ _____ _____ _____
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**STAGE I  
STAGE I  
TEST**

**LESSON OBJECTIVE:**

This stage test will determine that the student has accomplished the objectives of Stage I.

**CONTENT:**

**TEST**

- |                            |                        |
|----------------------------|------------------------|
| _____ Airports             | _____ FAR              |
| _____ Aerodynamics         | _____ Aircraft Systems |
| _____ Aircraft Performance | _____ Aeromedical      |
| _____ Weather              |                        |

TEST Grade/Date \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have passed a written test on the objectives in Stage I with a minimum score of 80%

**REQUIRED STUDY:**

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards

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## **STAGE II**

### **STAGE OBJECTIVE:**

This stage will further the student's knowledge of airspace, navigation, lost procedures, and planning for alternatives if the planned flight cannot be completed.

### **STAGE COMPLETION STANDARDS:**

At the completion of this stage the student will pass a written test on the subject areas covered in this Stage with a minimum score of 80%.

**STAGE II**  
**LESSON 9**  
**DUAL - GROUND**  
**PUBLICATIONS &**  
**EQUIPMENT**

**LESSON OBJECTIVE:**

During this lesson, the student will further their knowledge of various aeronautical publications and cross-country flight planning equipment.

**CONTENT:**

**Lesson Review**

- \_\_\_\_\_ Aircraft Equipment List
- \_\_\_\_\_ VFR Sectional Chart
- \_\_\_\_\_ Airport / Facility Directory
- \_\_\_\_\_ Picking Checkpoints and Altitudes
- \_\_\_\_\_ Pilotage
- \_\_\_\_\_ Performance Calculations
- \_\_\_\_\_ Measuring True Course and Distance
- \_\_\_\_\_ AFM/POH
- \_\_\_\_\_ the Wind Triangle
- \_\_\_\_\_ Dead Reckoning

**Lesson Introduction**

- \_\_\_\_\_ Calculating Various Airspeeds
- \_\_\_\_\_ E6B
- \_\_\_\_\_ Diversion Procedures
- \_\_\_\_\_ Alternate Planning
- \_\_\_\_\_ Lost Procedure
- \_\_\_\_\_ VFR Terminal Area Chart
- \_\_\_\_\_ Plotter
- \_\_\_\_\_ Cockpit Management
- \_\_\_\_\_ Minimum Equipment List
- \_\_\_\_\_ Supplemental Oxygen

Lesson Grade/Date \_\_\_\_\_  
 Lesson time \_\_\_\_\_  
 CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have a knowledge of aeronautical publications, cross-country flight planning equipment, and the MEL concept.

**REQUIRED STUDY:**

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- VFR Sectional Chart
- VFR Terminal Area Chart
- FAR
- AIM A/FD

<p><b>Notes:</b></p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE II  
LESSON 10  
DUAL - GROUND  
AIRSPACE &  
COMMUNICATIONS**

**LESSON OBJECTIVE:**

During this lesson, a review of airspace and communication requirements will be conducted.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ Class A
- \_\_\_\_\_ Class B
- \_\_\_\_\_ Class C
- \_\_\_\_\_ Class D
- \_\_\_\_\_ Class E
- \_\_\_\_\_ Class G
- \_\_\_\_\_ TRSA Communications
- \_\_\_\_\_ FSS Communications
- \_\_\_\_\_ Approach Control
- \_\_\_\_\_ Departure Control
- \_\_\_\_\_ Clearance Delivery
- \_\_\_\_\_ Tower Communications

**Lesson Introduction**

- \_\_\_\_\_ Ground Control
- \_\_\_\_\_ Runway and Taxiway Signs, Markings, and Lighting at Tower Controlled Fields
- \_\_\_\_\_ Runway Incursion Avoidance at Tower Controlled Fields
- \_\_\_\_\_ Readback / Hearback for Hold Short, Position and Hold, and Runway Crossing Instructions
- \_\_\_\_\_ ATC Light Gun Signals
- \_\_\_\_\_ Non-tower Communications

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will be familiar with various classes of airspace and their associated communication requirements.

**REQUIRED STUDY:**

- AC 91-73
- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR
- AIM

<p><b>Notes:</b></p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE II  
LESSON 11  
DUAL - GROUND  
ELECTRONIC AIDS  
TO NAVIGATION**

**LESSON OBJECTIVE:**

During this lesson, the student will further their knowledge of electronic aids to navigation.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ VOR Tuning and Identifying
- \_\_\_\_\_ VOR Intercepting and Tracking
- \_\_\_\_\_ ADF /NDB Tuning and Identifying
- \_\_\_\_\_ ADF /NDB Homing
- \_\_\_\_\_ ADF /NDB Intercepting and Tracking
- \_\_\_\_\_ ADF /NDB Errors

**Lesson Introduction**

- \_\_\_\_\_ GPS Modes of Operation
- \_\_\_\_\_ GPS Waypoints
- \_\_\_\_\_ GPS Direct To Operations
- \_\_\_\_\_ GPS Flight Plan Operations
- \_\_\_\_\_ GPS Nearest Functions

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have a knowledge of VOR tuning, identifying, tracking, and NDB tuning, intercepting, tracking. The student will also be aware of NDB errors and the basics of GPS use.

**REQUIRED STUDY:**

FAA-H-8083-3-AFH FAA-  
H-8083-25-PHAK AIM

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**STAGE II  
LESSON 12  
DUAL - GROUND  
NIGHT & HIGH ALTITUDE FLYING**

**LESSON OBJECTIVE**

During this lesson, the student will further their knowledge of night operations and be introduced to high altitude flying concepts.

**CONTENT:**

**Lesson Introduction**

- \_\_\_\_\_ Night Flying Overview
- \_\_\_\_\_ the Eye
- \_\_\_\_\_ Applicable FARs
- \_\_\_\_\_ Night Illusions
- \_\_\_\_\_ Night Vision & Scanning
- \_\_\_\_\_ High Altitude Operations
- \_\_\_\_\_ Oxygen Requirement
- \_\_\_\_\_ Pressurization Systems

Lesson Grade/Date \_\_\_\_\_

Lesson time \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**Lesson Introduction**

- \_\_\_\_\_ Aircraft Lighting
- \_\_\_\_\_ Airport Lighting
- \_\_\_\_\_ Pilot Equipment for Night Flight
- \_\_\_\_\_ Chart Use at Night
- \_\_\_\_\_ Night Flight Preparations
- \_\_\_\_\_ Night Emergencies

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have knowledge of night and high altitude flying concepts.

**REQUIRED STUDY:**

FAA-H-8083-3-AFH FAA-H-  
8083-25-PHAK FAR  
AIM

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**STAGE II  
STAGE II  
TEST**

**LESSON  
OBJECTIVE:**

This stage test will determine that the student has accomplished the objectives of Stage II.

**CONTENT:**

**TEST**

- |                                     |  |
|-------------------------------------|--|
| _____ Principles of Navigation      | _____ Airspace and Communications        |
| _____ Publications & Equipment      | _____ Electronic Aids to Navigation      |
| _____ Cross-Country Flight Planning | _____ Night and High Altitude Operations |

TEST Grade/Date \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have passed a written test on the objectives in Stage II with a minimum score of 80%

**REQUIRED STUDY:**

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards

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**END OF COURSE  
END OF COURSE TEST**

**LESSON  
OBJECTIVE:**

This stage test will determine that the student has accomplished the objectives of the Course.

**CONTENT:**

**TEST**

- |                            |                                     |
|----------------------------|-------------------------------------|
| _____ Airports             | _____ Aeromedical                   |
| _____ Aerodynamics         | _____ Principles of Navigation      |
| _____ Aircraft Performance | _____ Publications & Equipment      |
| _____ Weather              | _____ Cross-Country Flight Planning |
| _____ Emergencies          | _____ Airspace & Communications     |
| _____ FAR                  | _____ Electronic Aids to Navigation |
| _____ Aircraft Systems     | _____ Night Flying                  |
| _____ Airspace             | _____ High Altitude Operations      |

TEST Grade/Date \_\_\_\_\_

CFI/Student Initials \_\_\_\_\_

**COMPLETION STANDARDS:**

At the completion of this lesson, the student will have passed a written test on the objectives in this course with a minimum score of 80%. They will be ready to take the FAA Commercial Pilot Knowledge Test.

**REQUIRED STUDY:**

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Commercial Pilot Practical Test Standards

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