

SPORTY'S®

WHAT YOU SHOULD KNOW® SERIES

RECREATIONAL TO PRIVATE PILOT TRAINING COURSE OUTLINE

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Clermont County/Sporty's Airport
Batavia, OH 45103**

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Section 1 - Training Course Outline - Recreational Pilot to Private Pilot

Course Introduction

The Recreational Pilot to Private Pilot Certification Course is the syllabus portion of the Sporty's Academy 14 CFR Part 141* Approved Recreational to Private Pilot Certification Course. This outline 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 Outline also contains ground lessons appropriate to the Private Pilot certificate and supplemental lessons for additional training as necessary.

Course Concept

The Recreational Pilot to Private Pilot Course Outline 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 ground lessons and viewing of the associated videos should be completed prior to the respective flight lessons. If a considerable length of time has elapsed between the ground lesson and the associated flight, the instructor may wish to conduct a short review of essential material.

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 Video Preparation

The Sporty's Recreational Pilot to Private Pilot Training Course Outline is based on Sporty's Recreational to Private Pilot Transition Video course. It is important that the student view all three volumes in the transition course along with the first three volumes from Sporty's Recreational Video course. For each lesson, there is required study of specific video sections and this should be accomplished as part of a self-study program. Additional topics may also be assigned by the instructor. To maximize the learning benefit of the videos, the student should also review the required sections after completion of the lesson. This is particularly true of any subject areas where the student encountered difficulty.

Preflight Orientation

Prior to each dual lesson, the instructor must provide the student with a thorough overview of the subject matter to be covered during the lesson. The instructor should select a quiet, private place to brief the student and explain the lesson material. It is important that the instructor define unfamiliar terms and explain the maneuvers and objectives of each lesson.

Airplane Practice

Airplane practice must be conducted so that the student obtains the maximum benefit from each flight. Each flight, where applicable, should begin with a review of previously practiced maneuvers, as deemed necessary by the instructor, before any new maneuvers are introduced.

Postflight Evaluation

The postflight evaluation is equally as important as the preflight orientation. During each postflight session, the student must be thoroughly debriefed. Noticeable advancement should be apparent and recommendations should be made for improvement, where appropriate. This action is a valuable instructional technique because it increases retention. The instructor must also discuss the elements of the next lesson. This prepares the student for the video assignment and will enhance the student's understanding.

*14 CFR part 141 and 14 CFR part 61 refer to the appropriate parts of Title 14 of the Code of Federal Regulations. Title 14 covers aeronautics and space. The regulations in this title are often referred to as the Federal Aviation Regulations or FARs.

Lesson Times

Lesson times are specified as a guide to meeting the 14 CFR Part 141 training requirements for the Private Pilot transition (training under 14 CFR Part 61 may require additional time). 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. 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 Checks and End-of-Course Tests

Stage checks measure the student's accomplishments during each stage of training. This procedure provides close supervision of training and another opinion on the student's progress. 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. Failure to follow this progression may defeat the purpose of the stage check and lead to overall course breakdown.

Grading Instructional Lessons

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

Each pilot operation or 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 instructional 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".

Recording Solo Lessons

The student will indicate each pilot operation performed on the solo lesson sheet with a check mark. Any pilot operation performed that is not listed must be noted in the remarks section. Cross-country routes shall also be recorded in the remarks section.

The overall solo lesson will be assigned a "grade" based on the following criteria.

SP = STUDENT
PRACTICE

All completed solo lessons should be graded as Student Practice.

I = INCOMPLETE

The student did not complete all the pilot operations listed on the lesson sheet.

Grading Notes

1. When an instructional lesson is graded unsatisfactory, only those pilot operations graded as "5" must be repeated to standards during the next lesson.
2. When any lesson is graded incomplete, the pilot operations not performed must be completed prior to attempting the pilot operations for the next lesson.
3. Use the "TOTAL IN COURSE: (D/S/G)" lines within the grading box to total the student's dual, solo, and ground instruction times in the course after each lesson.

RECREATIONAL/PRIVATE TRANSITION COURSE TRAINING COURSE OUTLINE

COURSE OBJECTIVES

The Recreational Pilot Certificate holder will obtain the aeronautical knowledge, skill, and experience necessary to meet the requirements for a Private Pilot Certificate for Airplane Single-Engine Land (ASEL).

COURSE COMPLETION STANDARDS

The student must demonstrate through flight tests and school records that the aeronautical knowledge, skill, and experience requirements necessary to obtain a Private Pilot Certificate (ASEL) are accomplished.

COURSE TIME ALLOCATION TABLE

STAGE	LESSON	FLIGHT TIME						GROUND
		DUAL	SOLO	INST	DUAL X-C	SOLO X-C	NIGHT	TIME
Sporty's Academy Recreational Course Standard Hours		27.2	3.1					27.7
I	1							1.2
I	2							1.2
I	3							1.2
I	4							1.2
I	5							1.2
I	6							1.2
I	7							1.2
I	8							1.2
I	9							1.2
I	10	1.5		0.5	1.5			0.2
I	11	1.5		0.5	1.5			0.2
I	12		2.0			2.0		
I	13							1.2
I	14	1.0		0.5			1.0	0.2
I	15	2.0		0.5	2.0		2.0	0.2
I	16							1.2
I	17	1.5		0.5				0.2
I	18	1.5		0.5				0.2
SI	19	1.2		0.3				1.5
STAGE TOTAL		10.2	2.0	3.3	5.0	2.0	3.0	15.9
COURSE TOTALS (INCLUDING RECREATIONAL HOURS)		37.4	5.1	3.3	5.0	2.0	3.0	43.6
FAA 141 REQUIREMENTS		20.0	5.0	3.0	3.0		3.0	35.0
		35 TOTAL						

STAGE I

STAGE OBJECTIVE:

This stage introduces additional elements of aviation that are required of a Private Pilot. The skills of navigation, cross-country operations, night operations, and flight solely by reference to the instruments shall be developed.

STAGE COMPLETION STANDARDS:

At the completion of this stage, the student will demonstrate performance to a standard that meets the criteria for a Private Pilot.

**STAGE I
LESSON 1
DUAL - GROUND
PRINCIPLES OF
NAVIGATION**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to principles of navigation.

CONTENT:

Lesson Introduction

- _____ Effect of Wind in (1) Hour
- _____ Drift and Drift Correction
- _____ Various Types of Aircraft Speeds
- _____ Latitude and Longitude

Lesson Introduction

- _____ Earth's Magnetism
- _____ Variation - Isogonic and Agonic Lines
- _____ Magnetic Compass
- _____ Magnetic Compass Errors

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of the principles of navigation.

REQUIRED STUDY:

- FAA-H-8083-3 - Airplane Flying Handbook
- FAA-H-8083-25 - Pilot's Handbook of Aeronautical Knowledge
- Sporty's Complete Flight Training Course for the Recreational to Private Pilot Transition - Video Vol 6: Segment 3

Notes:

**STAGE I
LESSON 2
DUAL - GROUND
PUBLICATIONS &
EQUIPMENT**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to various aeronautical publications and cross-country flight planning equipment. The minimum equipment list (MEL) will be introduced as well.

CONTENT:

Lesson Review

- _____ Aircraft Equipment List
- _____ VFR Sectional Chart
- _____ Airport / Facility Directory

Lesson Introduction

- _____ VFR Terminal Area Chart
- _____ Plotter
- _____ Flight Computer
- _____ Cockpit Management
- _____ Minimum Equipment List
- _____ Supplemental Oxygen

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 - 14 CFR Aviation Regulations
- AIM - Aeronautical Information Manual
- A/FD - Airport / Facility Directory
- Vol 5: Segments 3-5; 16

Notes:

**STAGE I
LESSON 3
DUAL - GROUND
CROSS-COUNTRY
FLIGHT PLANNING**

DATE _____	GRADE (Circle One) S U I
STUDENT NAME _____	STUDENT SIGNATURE _____
INSTRUCTOR # _____	INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____	

LESSON OBJECTIVE:

During this lesson, the student will be introduced to cross-country flight planning.

CONTENT:

Lesson Introduction

- _____ Applicable FARs
- _____ Measuring True Course and Distance
- _____ Picking Checkpoints and Altitudes
- _____ Pilotage

Lesson Introduction

- _____ Airplane Flight Manual / Pilots Operating Handbook (AFM/POH)
- _____ Performance Calculations

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of cross-country flight planning and cross-country performance calculations.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR
- AIM
- Vol 5: Segments 5-6
- Vol 6: Segment 5

Notes:

**STAGE I
LESSON 4
DUAL - GROUND
CROSS-COUNTRY
FLIGHT PLANNING**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to additional concepts associated with cross-country flight planning.

CONTENT:

Lesson Introduction

- _____ The Wind Triangle
- _____ Dead Reckoning
- _____ Calculating Various Airspeeds

Lesson Introduction

- _____ Electronic E6B Flight Computer
- _____ Manual E6B

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of additional concepts associated with cross-country flight planning.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR
- AIM
- Vol 5: Segment 16

Notes:

**STAGE I
LESSON 5
DUAL - GROUND
CROSS-COUNTRY
FLIGHT PLANNING**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to additional concepts associated with cross-country flight planning.

CONTENT:

Lesson Introduction

- _____ Diversion Procedures
- _____ Alternate Planning
- _____ Lost Procedures

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of additional concepts associated with cross-country flight planning.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR
- AIM
- Vol 5: Segment 6
- Vol 6: Segment 18

Notes:

**STAGE I
LESSON 6
DUAL - GROUND
AIRSPACE &
COMMUNICATIONS**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) _____ / _____ / _____

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

Lesson Introduction

- _____ Tower Communications
- _____ 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

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 - 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
- AIM
- Vol 5: Segment 17
- Vol 6: Segment 1

Notes:

**STAGE I
LESSON 7
DUAL - GROUND
ELECTRONIC AIDS
TO NAVIGATION**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to 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

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
- Vol 5: Segments 7-9

Notes:

**STAGE I
LESSON 8
DUAL - GROUND
INSTRUMENT FLYING**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to basic attitude instrument flying and recovery from unusual flight attitudes.

CONTENT:

Lesson Introduction

- _____ Basic Attitude Instrument Flight
- _____ Instrument Scan and Crosscheck
- _____ Unusual Flight Attitude (Nose High)
- _____ Recovery

Lesson Introduction

- _____ Unusual Flight Attitude (Nose Low)
- _____ Recovery
- _____ Full Panel Instrument Flying
- _____ Partial Panel Instrument Flying

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of basic attitude instrument flying and the theory behind unusual attitude recoveries.

REQUIRED STUDY:

FAA-H-8083-3-AFH
FAA-H-8083-25-PHAK
Vol 6: Segments 14-17

Notes:

**STAGE I
LESSON 9
DUAL - GROUND
CROSS-COUNTRY FLIGHT
PLANNING EXERCISE**

DATE _____	GRADE (Circle One) S U I
STUDENT NAME _____	STUDENT SIGNATURE _____
INSTRUCTOR # _____	INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____	

LESSON OBJECTIVE:

During this lesson, the student will be introduced to an actual cross-country flight planning exercise.

CONTENT:

Lesson Introduction

_____ Cross-Country Planning Exercise

COMPLETION STANDARDS:

At the completion of this lesson, the student will be able to plan a cross-country flight and determine the suitability of proceeding with the flight based upon the conditions found during the planning process.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- A/FD
- VFR Sectional
- VFR Terminal Area Chart
- FAR
- AIM
- Vol 5: Review Segments as Needed
- Vol 6: Review Segments as Needed

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE I
LESSON 10
DUAL - CROSS-COUNTRY
DAY**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.5) _____		HOOD: (0.5) _____ APT IDs: _____ / _____	
DISCUSSION: (0.2) _____		TOTAL IN COURSE: (D/S/G) _____ / _____ / _____	

LESSON OBJECTIVE:

During this lesson, the instructor will introduce the student to basic instrument flight maneuvers, VOR navigation, and dead reckoning during a day cross-country flight.

CONTENT:

Lesson Introduction

- _____ Dead Reckoning
- _____ Basic Attitude Instrument Flight - Straight and Level
- _____ Basic Attitude Instrument Flight - Turns in Level Flight

Lesson Introduction

- _____ Basic Attitude Instrument Flight - Constant Airspeed Climbs and Descents
- _____ Basic Attitude Instrument Flight - Recovery from Unusual Flight Attitudes
- _____ VOR Navigation

COMPLETION STANDARDS:

At the completion of this lesson the student will have a basic knowledge of VOR navigation, dead reckoning procedures, and basic attitude instrument flight maneuvers. The student will be able to verify position within 3 nautical miles, maintain or roll out on the selected heading $\pm 15^\circ$, and maintain or level off at the selected appropriate altitude ± 200 feet.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards (Refer to Section 2 of this book.)
- Vol 5: Segment 7
- Vol 6: Segment 14

Notes:

**STAGE I
LESSON 11
DUAL - CROSS-COUNTRY
DAY**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.5) _____	HOOD: (0.5) _____	APT IDs: _____ / _____	
DISCUSSION: (0.2) _____		TOTAL IN COURSE: (D/S/G) _____ / _____ / _____	

LESSON OBJECTIVE:

During this lesson, the student will be introduced to GPS navigation, ADF homing, and operations at airports with control towers. The instructor will also review VOR navigation, dead reckoning, and pilotage procedures while performing a day cross-country. In addition, basic instrument maneuvers will be reviewed.

CONTENT:

Lesson Review

- _____ VOR Navigation
- _____ Dead Reckoning
- _____ Pilotage
- _____ Basic Instrument Maneuvers

Lesson Introduction

- _____ Airports with Control Towers
- _____ ADF Homing
- _____ GPS Navigation
- _____ GPS Nearest Functions

COMPLETION STANDARDS:

At the completion of this lesson the student will be able to home to an NDB and use VORs and GPS for navigation during a cross-country. The student will also be familiar with dead reckoning procedures, operations at airports with control towers, as well as basic instrument maneuvers. The student will be able to verify position within 3 nautical miles, maintain or roll out on the selected heading $\pm 15^\circ$, and maintain or level off at the selected appropriate altitude ± 200 feet.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards
- Vol 5: Segment 9
- Vol 6: Segment 1

Notes:

**STAGE I
LESSON 12
SOLO - CROSS-COUNTRY
DAY**

DATE _____	ACFT ID _____	GRADE (Circle One) SP I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
FLIGHT TIME: (2.0) _____ APT IDs: ____ / ____ TWR FLD LDGs: (3) _____			
DISCUSSION: () _____ TOTAL IN COURSE: (D/S/G) ____ / ____ / _____			

LESSON OBJECTIVE:

During this lesson, the student will complete a solo cross-country day flight of 150 nautical miles, consisting of 3 legs with full stop landings at a minimum of 3 points, one leg of the flight being at least 50 nautical miles. In addition, 3 takeoffs and landings will be completed at a tower controlled airport.

CONTENT:

Lesson Review

- _____ VOR Navigation
- _____ Dead Reckoning
- _____ Pilotage

Lesson Review

- _____ Lost Procedures
- _____ Planning for Alternates
- _____ ATC Communications

COMPLETION STANDARDS

The student will perform a day cross-country that is at least 150 nautical miles, consisting of 3 legs with full stop landings at a minimum of 3 points, one leg of the flight being at least 50 nautical miles. The student will have flown to a towered field and have performed 3 takeoff and landings. **Note: When following this curriculum under 14 CFR Part 61, at least 5 solo cross-country hours must be completed. Repeat this lesson as necessary to attain the applicable requirements.**

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards
- Vol 5: Review Segments as Needed
- Vol 6: Review Segments as Needed

Notes:

**STAGE I
LESSON 13
DUAL - GROUND
NIGHT FLYING**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will be introduced to night flying concepts.

CONTENT:

Lesson Introduction

- _____ Night Flying Overview
- _____ The Eye
- _____ Applicable FARs
- _____ Night Illusions
- _____ Night Vision
- _____ Night Scanning

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 a knowledge of basic night flying concepts.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- FAR
- AIM
- Vol 5: Segment 1-2

Notes:

**STAGE I
LESSON 14
DUAL - LOCAL
NIGHT**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I
STUDENT NAME _____		STUDENT SIGNATURE _____
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.0) _____	HOOD: (0.5) _____	NIGHT T/L's: (5) _____
DISCUSSION: (0.2) _____	TOTAL IN COURSE: (D/S/G) ____ / ____ / ____	

LESSON OBJECTIVE:

During this lesson, the instructor will introduce the student to night flight operations and review basic instrument flight maneuvers. The student will also perform at least 5 takeoffs and landings at night.

CONTENT:

Lesson Review

_____ Basic Instrument Maneuvers

Lesson Introduction

- _____ Night Flight Operations
- _____ Night Takeoffs and Landings
- _____ Go-Around from a Rejected Landing at Night
- _____ Night Emergency Procedures

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a basic knowledge of instrument flight maneuvers and night flight operations. The student will maintain or roll out on the selected heading $\pm 15^\circ$ and maintain or level off at the selected appropriate altitude ± 200 feet.

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards
- Vol 6: Review Segments as Needed

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE I
LESSON 15
DUAL - CROSS-COUNTRY
NIGHT**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (2.0) _____		HOOD: (0.5) _____ APT IDs: ____ / ____	
DISCUSSION: (0.2) _____		NIGHT T/L's: (5) _____	
LESSON OBJECTIVE:		TOTAL IN COURSE: (D/S/G) ____ / ____ / ____	

During this lesson, the student will review VOR and GPS Navigation, ADF homing, dead reckoning, pilotage, and basic instrument maneuvers. The student will also perform at least 5 takeoffs and landings at night.

CONTENT:

Lesson Review

- _____ Night Takeoffs & Landings
- _____ VOR Navigation
- _____ ADF Homing
- _____ GPS Navigation

Lesson Review

- _____ Dead Reckoning
- _____ Pilotage
- _____ Basic Instrument Maneuvers
- _____ Night Emergency Procedures

COMPLETION STANDARDS:

The student should be able to navigate using VORs and GPS, home to an NDB, and use dead reckoning on a night cross-country flight of at least 100 NM. The student shall also perform at least 5 takeoffs and landings at night. The student will be able to verify position within 3 nautical miles, maintain or roll out on the selected heading $\pm 15^\circ$, and maintain or level off at the selected appropriate altitude ± 200 feet. **At the end of this lesson, the student must have completed the required 3.0 hours of dual flight instruction and 10 takeoffs and landings at night. The student must also have logged at least 3.0 hours of dual cross-country flight training en route to airports greater than 50 nautical miles from the airport where the student normally trains.**

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards
- Vol 5: Segment 1-2

Notes:

**STAGE I
LESSON 16
DUAL - LOCAL**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I
STUDENT NAME _____		STUDENT SIGNATURE _____
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.5) _____		HOOD: (0.5) _____
DISCUSSION: (0.2) _____		TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

During this lesson, the student will review flight maneuvers for the Private Pilot Practical Test.

CONTENT:

Lesson Review

_____ Private Pilot Practical Test Standards

COMPLETION STANDARDS:

The student will perform all maneuvers to the Private Pilot Practical Test Standards.

REQUIRED STUDY:

FAA-H-8083-3-AFH
FAA-H-8083-25-PHAK
Private Pilot Practical Test Standards
Vol 7: Segments 1-7

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE I
LESSON 17
DUAL - GROUND
KNOWLEDGE TEST**

DATE _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
DISCUSSION: (1.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

LESSON OBJECTIVE:

The objective of this lesson is to evaluate the students comprehension of the material presented in the Private Pilot Training Course Outline ground lessons.

CONTENT:

Lesson Review

- _____ Private Pilot Knowledge Test
- _____ Certificates & Documents
- _____ Airworthiness Requirements
- _____ Weather Information
- _____ Cross-Country Flight Planning

Lesson Review

- _____ National Airspace System
- _____ Performance & Limitations
- _____ Operation of Systems
- _____ Aeromedical Factors
- _____ Night Preparation

COMPLETION STANDARDS:

In order to complete the ground portion of the Private Pilot Training Course, the student must score at least 70% on the Private Pilot Knowledge Test.

Notes:

**STAGE I
LESSON 18
DUAL - LOCAL**

DATE _____ ACFT ID _____ GRADE (Circle One) S U I
STUDENT NAME _____ STUDENT SIGNATURE _____
INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.5) _____ HOOD: (0.5) _____
DISCUSSION: (0.2) _____ TOTAL IN COURSE: (D/S/G) _____ / _____ / _____

LESSON OBJECTIVE:

During this lesson, the student will review flight maneuvers for the Private Pilot Practical Test.

CONTENT:

Lesson Review

_____ Private Pilot Practical Test Standards

COMPLETION STANDARDS:

The student will perform all maneuvers at the Private Pilot Practical Test Standards. The student shall also be prepared for the Private Pilot Test. **At the end of this lesson, the student must have completed the required 3.0 hours of instrument flight instruction.**

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Private Pilot Practical Test Standards
- Vol 7: Segments 8-15

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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PRE-STAGE CHECK – TIME SUMMARY

This page is intended to be used by the student's flight instructor to summarize the times accumulated through this course of instruction and determine that the times are sufficient for the stage requirements. The check instructor should verify that these times are acceptable for completion of the stage.

DATE _____ STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

STAGE TOTALS

FLIGHT TIME (DUAL): _____

FLIGHT TIME (SOLO): _____

FLIGHT TIME (DUAL CROSS-COUNTRY): _____

FLIGHT TIME (SOLO CROSS-COUNTRY): _____

FLIGHT TIME (NIGHT): _____

FTD/SIM: _____

INSTRUMENT: _____ (In flight only.)

GROUND/DISCUSSION: _____ (Be sure to include the Ground Lesson times.)

**STAGE I
LESSON 19
STAGE I CHECK**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		HOOD: (0.3) _____	
DISCUSSION: (1.5) _____ TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

The student shall demonstrate the knowledge and skill of a Private Pilot.

CONTENT:

Lesson Review

Preflight Preparation

- _____ Certificates & Documents
- _____ Airworthiness Requirements
- _____ Weather Information
- _____ Cross-Country Flight Planning
- _____ National Airspace System
- _____ Performance & Limitations
- _____ Operation of Systems
- _____ Aeromedical Factors

Night Operations

- _____ Night Preparation

Preflight Procedures

- _____ Preflight Inspection
- _____ Cockpit Management
- _____ Engine Starting
- _____ Taxiing
- _____ Before Takeoff Check

Airport Operations

- _____ Radio Communications & ATC Light Signals
- _____ Traffic Patterns
- _____ Airport, Runway, and Taxiway Signs, Markings, & Lighting

Lesson Review

Takeoffs, Landings & Go-Arounds

- _____ Normal & Crosswind Takeoff & Climb
- _____ Normal & Crosswind Approach & Landing
- _____ Soft-Field Takeoff & Climb
- _____ Soft-Field Approach & Landing
- _____ Short-Field Takeoff & Max Performance Climb
- _____ Short-Field Approach & Landing
- _____ Forward Slip to a Landing
- _____ Go-Around from a Rejected Landing

Performance Maneuver

- _____ Steep Turns

Ground Reference Maneuvers

- _____ Rectangular Course
- _____ S-Turns
- _____ Turns around a Point

Slow Flight & Stalls

- _____ Maneuvering during Slow Flight
- _____ Power-Off Stalls
- _____ Power-On Stalls
- _____ Spin Awareness

Continued On Next Page

Notes:

Lesson Review

Basic Instrument Maneuvers

- _____ Straight & Level Flight
- _____ Constant Airspeed Climbs
- _____ Constant Airspeed Descents
- _____ Turns to Headings
- _____ Recovery from Unusual Flight Attitudes
- _____ Radio Communications, Navigation Systems/Facilities, & Radar Services

Lesson Review

Navigation

- _____ Pilotage & Dead Reckoning
- _____ Navigation Systems & Radar Services
- _____ Diversion
- _____ Lost Procedures

Emergency Operations

- _____ Emergency Approach & Landing
- _____ Systems & Equipment Malfunctions
- _____ Emergency Equipment & Survival Gear

Postflight Procedures

- _____ After Landing, Parking, & Securing

COMPLETION STANDARDS:

The stage check will be completed when the student performs all required maneuvers and tasks to the Private Pilot Practical Test Standards. Also, the instructor and student will review the 14 CFR Part 141 requirements for the Private Pilot Certificate and determine that the student has met all of them. After the review of the 14 CFR Part 141 requirements is complete, the Private Pilot flight check should be scheduled.

Notes:
