

SPORTY'S®

***WHAT YOU SHOULD KNOW®* SERIES**

PRIVATE PILOT TRAINING COURSE OUTLINE

(FLIGHT TRAINING SYLLABUS)

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Batavia, OH 45103**

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Printed in the United States of America
ISBN 978-0-9715631-2-8

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TRAINING COURSE OUTLINE PRIVATE PILOT - AIRPLANE

COURSE INTRODUCTION

The Private Pilot Training Course Outline is the syllabus portion of the Sporty's Academy 14 CFR part 141* Approved 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 Private Pilot Training 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 DVDs 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 Private Pilot Training Course Outline is based on Sporty's Complete Flight Training course for the Private Pilot on DVD. It is important that the student view all six volumes in the Private Pilot course. For each lesson, there is required study of specific DVD 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 DVDs, 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.

*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.

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.

LESSON TIMES

Lesson times are specified as a guide to meeting the 14 CFR part 141 training requirements for the Private Pilot. 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 = SATIS- FACTORY	The content of the lesson has been completed to the standards outlined in the individual lesson Completion Standards.
U = UNSATIS- FACTORY	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.

TSA ALIEN FLIGHT STUDENT PROGRAM RECORDS

The TSA mandated Alien Flight Student Program (AFSP) has a number of compliance and record keeping requirements. Refer to the TSA website for details. The inside front cover of this book has a place to record that you have completed the requirements. That line is there to serve as a reminder to complete the TSA mandates but does not meet the documentation requirements.

Per the TSA, an instructor may elect to use an endorsement in the Student’s *and* the Instructor’s logbooks to document confirmation of a Student’s U.S. Citizenship (not allowed for aliens). The Instructor’s copy of the record must be kept for at least 5 years. The recommended text of the endorsement is as follows:

“I certify that [insert student’s name] has presented me a [insert type of document presented, such as a U.S. birth certificate or U.S. passport, and the relevant control or sequential number on the document, if any] establishing that [he or she] is a U.S. citizen or national in accordance with 49 CFR 1552.3(h). [Insert date and instructor’s signature and CFI number.]”

For details or clarification, refer to the TSA’s website.

PRIVATE PILOT - AIRPLANE TRAINING COURSE OUTLINE

COURSE OBJECTIVES

The student will obtain the aeronautical 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		FLIGHT TIME						GROUND TIME
	LESSON	DUAL	SOLO	INST	DUAL X-C	SOLO X-C	NIGHT	DISCUSSION
I	1							1.2
I	2	1.2						0.2
	3							1.2
I	4							1.2
I	5	1.2						0.2
I	6							1.2
I	7	1.2						0.2
I	8							1.2
I	9	1.2						0.2
I	10							1.2
I	11	1.2						0.2
I	12							1.2
I	13	1.2						0.2
I	14							1.2
I	15	1.2						0.2
I	16							1.2
I	17	1.2						0.2
I	18							1.2
I	19	1.2						0.2
I	20							1.2
I	21	1.2						0.2
I	22							1.2
I	23	1.2						0.2
I	24							1.2
I	25	1.2						0.5
I	26							1.2
I - Stage Check	27	1.5						1.5
I	28							1.2
I	29	1.2						0.2
I	30							1.2
I	31	1.2						0.2
I	32	1.0	0.6					0.2
Stage I Totals		19.3	0.6					24.0
II	33							1.2
II	34	1.2						0.2
II	35							1.2
II	36	1.2						0.2
II	37							1.2
II	38		1.0					
II	39							1.2
II	40	1.5						0.2
II	41							1.2
II	42	1.8						0.2
II	43							1.2
II	44		1.5					
II	45							1.2
II	46	1.0						0.2
II - Stage Check	47	1.2						1.5
Stage II Totals		7.9	2.5					10.9
III	48							1.2
III	49							1.2
III	50	1.5		0.5	1.5			0.2
III	51	1.5		0.5	1.5			0.2
III	52		2.0			2.0		
III	53							1.2
III	54	1.0		0.5			1.0	0.2
III	55	2.0		0.5	2.0		2.0	0.2
III	56	1.5		0.5				0.2
III	57							1.2
III	58	1.5		0.5				0.2
III - Stage Check	59	1.2		0.3				1.5
Stage III Totals		10.2	2	3.3	5.0	2.0	3.0	7.5
COURSE TOTALS		37.4	5.1	3.3	5.0	2.0	3.0	42.4
FAA 141 REQUIREMENTS		20.0	5.0	3.0	3.0		3.0	35.0
35 TOTAL								

STAGE I

STAGE OBJECTIVE:

During this stage, the student becomes familiar with the training airplane and learns how the airplane controls are used to establish and maintain specific flight attitudes. The student will gain the proficiency necessary to solo the training airplane in the traffic pattern and practice area.

STAGE COMPLETION STANDARDS:

At the completion of this stage, the student will have demonstrated proficiency in the maneuvers required for solo flight. Also, the student will have successfully soloed in the local practice area.

STAGE I
LESSON 1
DUAL - GROUND
TRAINING AIRCRAFT

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 instructor will introduce the student to the training aircraft and the associated preflight procedures. The student will also be introduced to the basic flight and engine controls.

CONTENT:

Lesson Introduction

_____ Dispatch Procedures
 _____ Use of Checklists
 _____ Certificates and Documents Location and Use
 _____ Aircraft Preflight
 _____ Aeronautical Decision Making & Judgment

Lesson Introduction

_____ Recovery Procedures
 _____ Engine Controls
 _____ Flight Controls
 _____ Emergency Equipment & Survival Gear
 _____ Aircraft Servicing
 _____ Fuel Grades

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a basic knowledge of the training aircraft preflight. The student will be aware of the decision making process and its critical relevance to flight safety. The student will also be able to complete the dispatch procedures to obtain a training aircraft for a flight lesson.

REQUIRED STUDY:

FAA-H-8083-3-AFH - Airplane Flying Handbook
 FAA-H-8083-25-PHAK - Pilot's Handbook of Aeronautical Knowledge
 Private Pilot Practical Test Standards (Refer to Section 1 of the PTS Study Guide, which accompanies Sporty's *Complete Learn To Fly Course*.)
 Sporty's *Complete Learn To Fly Course* - DVD/Video Vol 1: Segments 1-13

Notes:

STAGE I
LESSON 2
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will become familiar with the engine start procedures, aircraft taxi, the before takeoff checklist, normal takeoffs, normal landings, and proper postflight securing of the aircraft. The student will also be introduced to the functioning of the basic aircraft controls.

CONTENT:**Lesson Introduction**Preflight Orientation

- _____ Dispatch Procedures
- _____ Preflight Inspection

Flight Orientation

- _____ Passenger Briefing
- _____ Cockpit Management
- _____ Engine Starting
- _____ Radio Communications
- _____ Taxiing / Brake Check
- _____ Before Takeoff Check
- _____ Normal Takeoff & Climb

Lesson IntroductionFlight Orientation

- _____ Aircraft Flight Instruments
- _____ Climb / Level Off
- _____ Straight & Level Flight / Use of Trim
- _____ Pitch / Power Coordination
- _____ Shallow Banked Turns
- _____ Descents / Level Off
- _____ Traffic Pattern Operations
- _____ Collision Avoidance
- _____ Normal Approach & Landing
- _____ After Landing Checks
- _____ Parking, Securing, & Proper Tie Down
- _____ Recovery Procedures

COMPLETION STANDARDS:

At the completion of this lesson, the student will be able to perform an aircraft preflight, an engine start, and be able to taxi the aircraft to the run-up area and perform the before takeoff checks. The student will perform the aircraft control functions with assistance from the instructor.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Segments 12-22

Notes:

STAGE I
LESSON 3
DUAL - GROUND
AIRPORTS

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 wind direction indicators, airport operations, runway incursion avoidance, and traffic avoidance.

CONTENT:

Lesson Introduction

_____ Wind Direction Indicators
 _____ Airport, Runway, and Taxiway Signs
 _____ Airport, Runway, and Taxiway Markings
 _____ Airport, Runway, and Taxiway Lighting
 _____ Radio Calls and Checks
 _____ CTAF
 _____ Obtaining Airport Advisories

Lesson Introduction

_____ Runway Incursion Avoidance
 _____ Use of Aircraft Lighting during Taxi and
 Traffic Pattern Operations
 _____ Collision Avoidance
 _____ Scanning for Traffic
 _____ Traffic Pattern Operations
 _____ Practice Area Operations

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a 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
 Vol 1: Segments 3-20
 Vol 3: Segment 15
 Vol 7: Segment 5

Notes:

STAGE I
LESSON 4
DUAL - GROUND
AERODYNAMICS

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 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 (Components)
- _____ Three Axes of Flight
- _____ Forces Acting on a Climbing Airplane
- _____ Angle of Attack

Lesson Introduction

- _____ Forces Acting on a Descending Airplane
- _____ Forces Acting on a Turning Airplane
- _____ Effects of Flaps
- _____ Critical Angle of Attack / Stalls
- _____ Spin Awareness

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of the four forces of flight, the basic components of aircraft construction, forces acting on aircraft when not in straight and level flight, and the effect of flaps.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Vol 1: Segments 21-27
 Vol 2: Segments 5-6

Notes:

STAGE I
LESSON 5
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will be introduced to flying the aircraft at various airspeeds and performing imminent stalls and recoveries.

CONTENT:

Lesson Review

- _____ Normal Takeoff & Climb
- _____ Normal Approach & Landing
- _____ Cockpit Management

Lesson Introduction

- _____ Maneuvering during Slow Flight
- _____ Power-Off Stalls (Imminent)
- _____ Power-On Stalls (Imminent)
- _____ Stall Awareness
- _____ Spin Awareness
- _____ Use of Flaps
- _____ Traffic Pattern Operations
- _____ Practice Area Operations

COMPLETION STANDARDS:

The student should be able to perform slow flight, imminent stalls, and stall recoveries with the instructor's assistance.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Segments 19-27

Notes:

**STAGE I
LESSON 6
DUAL - GROUND
AIRPLANE STABILITY
LOAD FACTORS
WAKE TURBULENCE**

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 static and dynamic stability, the dihedral effect, load factors, ground effect, wing tip vortices, and wake turbulence & avoidance procedures.

CONTENT:**Lesson Introduction**

_____ Static Stability (Positive / Negative)
_____ Dynamic Stability (Positive / Negative)
_____ Dihedral Effect
_____ Ground Effect

Lesson Introduction

_____ Wing Tip Vortices
_____ Wake Turbulence & Avoidance
_____ Load Factor & Gusts

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of static and dynamic stability, the dihedral effect, load factors, ground effect, wing tip vortices, and wake turbulence & avoidance procedures.

REQUIRED STUDY:

FAA-H-8083-25-PHAK
Vol 3: Segment 18

Notes:

STAGE I
LESSON 7
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will be introduced to constant airspeed climbs and descents and airspeed transitions.

CONTENT:

Lesson Review

- _____ Maneuvering during Slow Flight
- _____ Power-Off Stalls (Imminent)
- _____ Power-On Stalls (Imminent)
- _____ Practice Area Operations
- _____ Cockpit Management

Lesson Introduction

- _____ Constant Airspeed Climbs
- _____ Constant Airspeed Descents
- _____ Airspeed Transitions
- _____ Climbs to Altitudes
- _____ Descents to Altitudes
- _____ Turns to Headings (Medium Bank)
- _____ Flight at Low Cruise Airspeeds

COMPLETION STANDARDS:

At the completion of this lesson, the student will be able to execute straight and level flight, climbs, descents, and turns without assistance from the flight instructor. The student will hold assigned altitudes ± 150 feet, heading $\pm 20^\circ$, and airspeeds ± 15 knots. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained $+20$, -0 knots. Stalls will be performed in both straight and level and turning flight. The student will have an awareness of the need for proper aircraft trimming during airspeed transitions.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Segments 24-26
 Vol 2: Segments 1-7

Notes:

**STAGE I
LESSON 8
DUAL - GROUND
AIRCRAFT
PERFORMANCE**

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 the takeoff data card, factors that affect performance, airplane weight and balance, basic performance charts, and wind calculations.

CONTENT:**Lesson Introduction**

_____ Factors Affecting Performance
_____ Takeoff Data Card
_____ Airplane Weight and Balance

Lesson Introduction

_____ Basic Performance Charts
_____ Headwind / Crosswind Calculations

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
Vol 3: Segments 14-18
Vol 6: Segment 5
Vol 7: Segment 6

Notes:

STAGE I
LESSON 9
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I
STUDENT NAME _____		STUDENT SIGNATURE _____
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____		

LESSON OBJECTIVE:

During this lesson, the student will be introduced to power-off and power-on full stalls as well as steep turns.

CONTENT:

Lesson Review

- _____ Constant Airspeed Climbs
- _____ Constant Airspeed Descents
- _____ Stall Awareness
- _____ Spin Awareness

Lesson Introduction

- _____ Power-Off Stalls (Full) w/ & w/o Flaps
- _____ Power-On Stalls (Full) w/o Flaps
- _____ Steep Turns

COMPLETION STANDARDS

The student will perform power-off and power-on full stalls and recoveries, as well as steep turns with minimal instructor assistance. The student shall maintain the assigned heading $\pm 15^\circ$ and the required airspeed ± 10 knots during the constant airspeed climbs and descents.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Review Segments as Needed
 Vol 2: Segments 7-10
 Vol 3: Segment 3

Notes:

STAGE I
LESSON 10
DUAL - GROUND
WEATHER

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 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

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a 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
 Vol 3: Segments 7-8
 Vol 5: Segment 11
 Vol 6: Segment 10

Notes:

STAGE I
LESSON 11
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I
STUDENT NAME _____		STUDENT SIGNATURE _____
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____
TOTAL IN COURSE: (D/S/G) _____ / _____ / _____		

LESSON OBJECTIVE:

During this lesson, the student will be introduced to constant rate climbs and descents.

CONTENT:

Lesson Review

- _____ Maneuvering during Slow Flight
- _____ Normal Takeoffs & Landings
- _____ Steep Turns
- _____ Power-Off Stalls (Full)
- _____ Power-On Stalls (Full)

Lesson Introduction

- _____ Constant Rate Climbs
- _____ Constant Rate Descents

COMPLETION STANDARDS:

The student will perform constant rate climbs and descents with minimal assistance from the instructor. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained +20, -0 knots. Stalls will be performed in both straight and level and turning flight.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Segment 25; Review Segments as Needed
 Vol 2: Segments 1-11

Notes:

STAGE I
LESSON 12
DUAL - GROUND
WEATHER REPORTS
& FORECASTS

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 aviation weather charts and reports, and how to obtain a weather briefing.

CONTENT:

Lesson Introduction

_____ Surface Analysis Charts
 _____ Weather Depiction Charts
 _____ Low-Level Prognostic Charts
 _____ Area Forecasts
 _____ TAFs
 _____ METARs

Lesson Introduction

_____ Winds and Temperatures Aloft
 _____ Pilot Reports
 _____ Obtaining a Weather Briefing FSS / DUAT
 _____ Standard / Abbreviated / Outlook Briefings
 _____ AWOS / ASOS / AWSS Reports

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a 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
 Vol 3: Segments 9-12
 Vol 5: Segment 13
 Vol 6: Segment 12

Notes:

STAGE I
LESSON 13
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will be introduced to ground reference maneuvers.

CONTENT:

Lesson Review

- _____ Traffic Pattern Operations
- _____ Normal Takeoffs & Landings

Lesson Introduction

- _____ Runway Incursion Avoidance
- _____ Wind Effect on Ground Track
- _____ Rectangular Course
- _____ S-Turns (across a Road)
- _____ Turns around a Point

COMPLETION STANDARDS:

The student will be able to fly specific ground tracks while maintaining airspeed ± 10 knots and altitude ± 150 feet. Airspeed will be maintained at $V_Y +15$, -10 knots during the climb after a normal takeoff. Recommended approach airspeed will be maintained $+10$, -5 knots and the touchdown will be beyond and within 750 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 2: Segment 1; Review Segments as Needed
 Vol 3: Segments 1-2

Notes:

STAGE I
LESSON 14
DUAL - GROUND
WEATHER REPORTS
& FORECASTS

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 radar reports, severe weather reports and forecasts, NOTAMs, AIRMETs, and SIGMETs. The student will also be introduced to proper decision making relative to obtaining and analyzing weather data.

CONTENT:

Lesson Introduction

- _____ Radar Wx Reports
- _____ Severe Wx Reports and Forecasts
- _____ AIRMETs
- _____ SIGMETs / Convective SIGMETs
- _____ NOTAMs

Lesson Introduction

- _____ Wind Shear Reports
- _____ Wind Shear Recognition and Avoidance
- _____ Weather Related Aeronautical Decision Making & Judgment

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of radar weather reports, severe weather reports and forecasts, NOTAMs, AIRMETs, and SIGMETs and be able to make an appropriate decision regarding a flight based upon the relative weather data.

REQUIRED STUDY:

- AC 00-6-AvWx
- AC 00-45-AvWxSvc
- AIM
- Vol 5: Segments 3; 13
- Vol 6: Segment 12

Notes:

STAGE I
LESSON 15
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will review ground reference maneuvers, maneuvering during slow flight, stalls, and steep turns.

CONTENT:

Lesson Review

- _____ Rectangular Course
- _____ S-Turns
- _____ Turns around a Point
- _____ Maneuvering during Slow Flight
- _____ Power-On & Power-Off Stalls

Lesson Review

- _____ Steep Turns
- _____ Traffic Pattern Operations
- _____ Runway Incursion Avoidance
- _____ Normal Takeoffs & Landings

COMPLETION STANDARDS:

The student will be able to fly specific ground tracks while maintaining airspeed ± 10 knots and altitude ± 150 feet. The student will be able to perform slow flight, stalls, constant altitude turns, and normal and crosswind takeoffs and landings without instructor assistance. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained $+20$, -0 knots. Stalls will be performed in both straight and level and turning flight. Steep turns will be performed at 45° of bank $\pm 5^\circ$, while maintaining altitude ± 200 feet and with the roll out on the assigned heading $\pm 15^\circ$. Airspeed will be maintained at $V_y + 15$, -10 knots during the climb after a normal takeoff. Recommended approach airspeed will be maintained $+10$, -5 knots and the touchdown will be beyond and within 750 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 2: Review Segments as Needed
 Vol 3: Segments 13-20; Review Segments as Needed

Notes:

**STAGE I
LESSON 16
DUAL - GROUND
EMERGENCIES**

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 emergency procedures.

CONTENT:**Lesson Introduction**

_____ Emergency Procedures (AFM/POH)

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of the emergency procedures listed in the appropriate AFM/POH.

REQUIRED STUDY:

FAA-H-8083-3-AFH
AFM/POH
FAR
AIM
Vol 3: Segments 5-6

Notes:

STAGE I
LESSON 17
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will be introduced to rejected takeoffs and go-around procedures.

CONTENT:

Lesson Review

- _____ Runway Incursion Avoidance
- _____ Traffic Pattern Operations
- _____ Normal Takeoff & Climb
- _____ Normal Approach & Landing

Lesson Introduction

- _____ Wake Turbulence Avoidance
- _____ Systems & Equipment Malfunctions
- _____ Rejected Takeoffs
- _____ Go-Around from a Rejected Landing
- _____ Emergency Approach & Landing

COMPLETION STANDARDS:

The student will be familiar with the procedures used during system & equipment malfunctions, wake turbulence avoidance, rejected takeoffs, go-arounds, and emergency approaches and landings. The student will be able to perform rejected takeoffs and go-arounds with the instructor's assistance. Airspeed will be maintained at $V_y +15$, -5 knots during the climb after a normal takeoff. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 750 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 2: Segments 11-13
 Vol 3: Segments 4-6; 13

Notes:

STAGE I
LESSON 18
DUAL - GROUND
FAR / AIM
NTSB 830 / PTS
LOGBOOKS

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 single-pilot resource management, 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 Pvt/Student Limitations
 _____ 14 CFR Part 67
 _____ 14 CFR Part 91
 _____ 14 CFR Part 141
 _____ NTSB 830
 _____ AIM
 _____ Pilot Logbooks / Aircraft Logbooks
 _____ Practical Test Standards

Lesson Introduction

_____ FAA Advisory Circulars
 _____ Single-Pilot Resource Management
 _____ Aeronautical Decision Making & Judgment
 _____ Risk Management
 _____ Task Management
 _____ Situational Awareness
 _____ Controlled Flight into Terrain Awareness
 _____ Automation Management

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of single-pilot resource management, proper decision making, FARs applicable to student and private 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
 Private Pilot Practical Test Standards
 Vol 1: Segments 1-2
 Vol 3: Segments 20-21
 Vol 5: Segment 3
 Vol 6: Segment 9

Notes:

STAGE I
LESSON 19
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

The student will be introduced to slips and crosswind takeoffs and landings. The effect of wind on ground track will be reviewed.

CONTENT:

Lesson Review

- _____ Normal Takeoffs & Landings
- _____ Rejected Takeoff
- _____ Go-Around from a Rejected Landing
- _____ Traffic Pattern Operations
- _____ Wind Effect on Ground Track

Lesson Introduction

- _____ Aeronautical Decision Making & Judgment
- _____ Crosswind Takeoff & Climb
- _____ Side Slip
- _____ Forward Slip
- _____ Side Slip to a Landing
- _____ Crosswind Approach & Landing
- _____ Forward Slip to a Landing
- _____ No Flap Landing

COMPLETION STANDARDS:

The student will be able to perform slips, crosswind takeoffs and landings, and correct for wind effects with minimal instructor assistance. Airspeed will be maintained at $V_y +15$, -5 knots during the climb after a normal takeoff or go-around. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 750 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 2: Segment 13
 Vol 3: Segments 1-6

Notes:

**STAGE I
LESSON 20
DUAL - GROUND
AIRCRAFT SYSTEMS**

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 fuel, electrical, environmental, and wing flap systems.

CONTENT:**Lesson Introduction**

_____ Fuel System
_____ Electrical System
_____ Environmental System

Lesson Introduction

_____ Primary Flight Controls & Trim Systems
_____ Leading Edge Devices & Spoilers
_____ Wing Flap System

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of fuel, electrical, environmental, and wing flap systems.

REQUIRED STUDY:

AFM/POH
Vol 1: Segment 10
Vol 3: Segment 22

Notes:

STAGE I
LESSON 21
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I
STUDENT NAME _____		STUDENT SIGNATURE _____
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____		

LESSON OBJECTIVE:

During this lesson, slow flight, stalls, and normal and crosswind takeoffs and landings will be reviewed.

CONTENT:

Lesson Review

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

Lesson Review

- _____ Traffic Pattern Operations
- _____ Normal Takeoffs & Landings
- _____ Crosswind Takeoffs & Landings

COMPLETION STANDARDS:

The student will be able to perform slow flight, stalls, stall recoveries, and crosswind takeoffs and landings with minimal assistance from the instructor. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained +15, -0 knots. Stalls will be performed in both straight and level and turning flight. Airspeed will be maintained at $V_y +15$, -5 knots during the climb after a normal takeoff. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 750 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Review Segments as Needed
 Vol 2: Review Segments as Needed
 Vol 3: Segments 7-12

Notes:

STAGE I
LESSON 22
DUAL - GROUND
AIRCRAFT SYSTEMS

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 aircraft systems, the aircraft equipment list, and dealing with inoperative equipment.

CONTENT:

Lesson Introduction

- _____ Powerplant
- _____ Oil System
- _____ Ignition System
- _____ Carburetor Heat / Air Induction System
- _____ Propeller

Lesson Introduction

- _____ Hydraulic System
- _____ Landing Gear System
- _____ Aircraft Equipment List
- _____ VFR Required Equipment
- _____ Inoperative Equipment

COMPLETION STANDARDS:

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

REQUIRED STUDY:

AFM/POH
 FAR
 AIM
 Vol 1: Segments 8-9
 Vol 2: Segments 3-4

Notes:

STAGE I
LESSON 23
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I
STUDENT NAME _____		STUDENT SIGNATURE _____
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____		

LESSON OBJECTIVE:

During this lesson, the instructor will review takeoffs and landings in preparation for solo flight.

CONTENT:

Lesson Review

- _____ Runway Incursion Avoidance
- _____ Crosswind Takeoff & Climb
- _____ Normal Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Engine Starting
- _____ Radio Communications
- _____ Taxiing
- _____ Before Takeoff Check

Lesson Review

- _____ Normal Approach & Landing
- _____ Side Slip to a Landing
- _____ Crosswind Approach & Landing
- _____ Forward Slip to a Landing
- _____ No Flap Landing
- _____ Go-Around from a Rejected Landing
- _____ After Landing Checks
- _____ Parking, Securing, & Proper Tie Down

COMPLETION STANDARDS:

Takeoffs, landings, and go-arounds should be performed without instructor assistance. Airspeed will be maintained at $V_y + 15$, -5 knots during the climb after a normal takeoff. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 750 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 1: Review Segments as Needed
 Vol 2: Review Segments as Needed
 Vol 3: Segment 21; Review Segments as Needed

Notes:

**STAGE I
LESSON 24
DUAL - GROUND
AIRCRAFT SYSTEMS
MAINTENANCE**

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 aircraft flight instruments and systems, and aircraft maintenance requirements.

CONTENT:**Lesson Introduction**

_____ Vacuum System
_____ Gyroscopic Instruments
_____ Pitot-Static System
_____ Pitot-Static Instruments
_____ Electric Instruments

Lesson Introduction

_____ Avionics Systems
_____ Deicing and Anti-icing Systems
_____ Magnetic Compass and Associated Errors
_____ Maintenance Requirements
_____ Service Bulletins / Airworthiness Directives

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of the aircraft flight instruments and systems, and aircraft maintenance requirements.

REQUIRED STUDY:

AFM/POH
Vol 3: Segment 13
Vol 6: Segment 3

Notes:

STAGE I
LESSON 25
DUAL - LOCAL

DATE _____ ACFT ID _____ GRADE (Circle One) S U I
 STUDENT NAME _____ STUDENT SIGNATURE _____
 INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____
 FLIGHT TIME: (1.2) _____ DISCUSSION: (0.5) _____
 TOTAL IN COURSE: (D/S/G) _____ / _____ / _____

LESSON OBJECTIVE:

Prior to this flight, the instructor will administer and grade a presolo written exam. **Prior to the flight**, the instructor will review all incorrect answers with the student. During this lesson, the student will review correct operating procedures prior to the stage check.

CONTENT:

Lesson Review

_____ Engine Starting
 _____ Radio Communications
 _____ Taxiing
 _____ Before Takeoff Check
 _____ Runway Incursion Avoidance
 _____ Normal and/or Crosswind Takeoff & Climb
 _____ Traffic Pattern Operations
 _____ Side Slip to a Landing
 _____ Forward Slip to a Landing
 _____ Go-Around from a Rejected Landing
 _____ Emergency Approach & Landing
 _____ Maneuvering during Slow Flight

Lesson Review

_____ Straight and Level Flight
 _____ Turns to Headings
 _____ Constant Airspeed Climbs
 _____ Constant Airspeed Descents
 _____ Steep Turns
 _____ Systems and Equipment Malfunctions
 _____ Normal and/or Crosswind Approach & Landing
 _____ Power-Off Stalls
 _____ Power-On Stalls
 _____ Aeronautical Decision Making & Judgment
 _____ Practice Area Operations

COMPLETION STANDARDS:

This lesson is complete when the student satisfactorily completes a presolo written exam and the student demonstrates correct procedures for preflight duties and all other tasks to a level that allows the safe conduct of solo flight in the local area. The student shall maintain or level-off at assigned altitude ± 150 feet, maintain or roll out on headings $\pm 15^\circ$, and maintain airspeed ± 10 knots while performing climbs, descents, turns, straight and level, and traffic pattern operations unless otherwise specified. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained $+15$, -0 knots. Stalls will be performed in both straight and level and turning flight. Steep turns will be performed at 45° of bank $\pm 5^\circ$, while maintaining altitude ± 150 feet and with the roll out on the assigned heading $\pm 10^\circ$. Airspeed will be maintained at $V_y + 10$, -5 knots during the climb after takeoff. Recommended approach airspeed will be maintained $+10$, -5 knots and the touchdown will be beyond and within 500 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Practical Test Standards
 Vol 1: Review Segments as Needed
 Vol 2: Review Segments as Needed
 Vol 3: Segments 22-24; Review Segments as Needed

Notes:

**STAGE I
LESSON 26
DUAL - GROUND
AIRSPACE**

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 controlled and uncontrolled airspace, the classes of airspace, special use airspace, and cloud clearances.

CONTENT:**Lesson Introduction**

_____ Uncontrolled Airspace
_____ Controlled Airspace
_____ Class A
_____ Class B
_____ Class C

Lesson Introduction

_____ Class D
_____ Class E
_____ Class G
_____ Special Use Airspace
_____ Cloud Clearance & Visibility Requirements

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of controlled and uncontrolled airspace, the classes of airspace, special use airspace, and cloud clearances.

REQUIRED STUDY:

FAR
AIM
Vol 5: Segment 17

Notes:

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 27
STAGE I CHECK

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

LESSON OBJECTIVE:

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

CONTENT:**Lesson Review****ORAL**

- _____ Operation of Systems
- _____ Certificates & Documents
- _____ Aircraft Logbooks
- _____ Use of Checklists
- _____ Preflight Inspection
- _____ Airplane Servicing
- _____ Weather Information
- _____ Performance & Limitations

FLIGHT

- _____ Dispatch Procedures
- _____ Preflight Inspection
- _____ Engine Starting
- _____ Radio Communications
- _____ Taxiing
- _____ Runway Incursion Avoidance

Lesson Review**FLIGHT (CONTINUED)**

- _____ Before Takeoff Check
- _____ Normal Takeoff & Climb
- _____ Crosswind Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Collision Avoidance Precautions
- _____ Maneuvering during Slow Flight
- _____ Power-Off Stalls
- _____ Power-On Stalls
- _____ Normal Approach & Landing
- _____ Crosswind Approach & Landing
- _____ Emergency Approach & Landing
- _____ Go-Around from a Rejected Landing
- _____ Systems & Equipment Malfunctions
- _____ Practice Area Operations
- _____ Aeronautical Decision Making & Judgment
- _____ After Landing Checks
- _____ Parking, Securing, & Proper Tie Down
- _____ Recovery Procedures

COMPLETION STANDARDS:

This lesson is complete when the student can competently perform preflight duties and all other procedures necessary for the safe conduct of a solo flight in the local training area. The student shall maintain or level-off at assigned altitudes ± 150 feet, maintain or roll out on headings $\pm 15^\circ$, and maintain airspeeds ± 10 knots while performing climbs, descents, turns, straight and level, and traffic pattern operations unless otherwise specified. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained $+15$, -0 knots. Stalls will be performed in both straight and level and turning flight. Airspeed will be maintained at $V_Y +10$, -5 knots during the climb after takeoff or a go-around. Recommended approach airspeed will be maintained $+10$, -5 knots and the touchdown will be beyond and within 500 feet of a designated point of landing.

Notes:

STAGE I
LESSON 28
DUAL - GROUND
CHARTS & PUBLICATIONS

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 VFR sectional charts and the Airport / Facility Directory.

CONTENT:

Lesson Introduction

- _____ VFR Sectional Charts
- _____ Airport / Facility Directory
- _____ Planning for Alternatives

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of VFR sectional charts and the Airport / Facility Directory.

REQUIRED STUDY:

VFR Sectional
 A/FD - Airport / Facility Directory
 Vol 5: Segment 3

Notes:

STAGE I
LESSON 29
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the instructor will review takeoffs and landings to refine the student's level of proficiency for solo flight.

CONTENT:**Lesson Review**

- | | |
|--|--|
| _____ Runway Incursion Avoidance
_____ Crosswind Takeoff & Climb
_____ Normal Takeoff & Climb
_____ Traffic Pattern Operations
_____ Normal Approach & Landing | _____ Crosswind Approach & Landing
_____ Aeronautical Decision Making & Judgment
_____ Go-Around from a Rejected Landing
_____ After Landing Checks
_____ Parking & Securing |
|--|--|

COMPLETION STANDARDS:

Takeoffs, landings, and go-arounds should be performed without instructor intervention and with minimal coaching. The student should demonstrate safe and effective technique during all traffic pattern operations, accomplishing all takeoffs, landings, and go-arounds to a proficiency level required for solo flight. Airspeed will be maintained at $V_y + 10$, -5 knots during the climb after takeoff or a go-around. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 500 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Practical Test Standards
 Vol 2: Review Segments as Needed
 Vol 3: Review Segments as Needed

Notes:

STAGE I
LESSON 30
DUAL - GROUND
AEROMEDICAL

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 aeromedical 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

COMPLETION STANDARDS:

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

REQUIRED STUDY:

FAA-H-8083-25-PHAK
 FAR
 AIM
 Vol 3: Segments 22-23

Notes:

STAGE I
LESSON 31
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the instructor will review takeoffs and landings to refine the student's level of proficiency for solo flight.

CONTENT:**Lesson Review**

- _____ Taxiing
- _____ Before Takeoff Check
- _____ Runway Incursion Avoidance
- _____ Normal and/or Crosswind Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Systems and Equipment Malfunctions

Lesson Review

- _____ Aeronautical Decision Making & Judgment
- _____ Go-Around from a Rejected Landing
- _____ Normal and/or Crosswind Approach & Landing
- _____ Emergency Approach & Landing

COMPLETION STANDARDS:

The student will demonstrate the safe completion of the tasks associated with traffic pattern operations, with the outcome never seriously in doubt. The student should accomplish this without assistance and coaching from the instructor. Airspeed will be maintained at $V_y + 10$, -5 knots during the climb after takeoff or a go-around. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 500 feet of a designated point of landing.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vols 1-3: Review Segments as Needed

Notes:

STAGE I
LESSON 32
DUAL AND SOLO - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME DUAL: (1.0) _____ SOLO: (0.6) _____			
DISCUSSION: (0.2) _____ TOTAL IN COURSE: (D/S/G) _____ / _____ / _____			

LESSON OBJECTIVE:

During the dual portion of the lesson, the instructor will review takeoff and landing procedures to determine that the student is proficient and competent for solo flight. During the lesson, **after being properly endorsed by the flight instructor**, the student will fly a supervised solo flight in the traffic pattern.

CONTENT:

Lesson Review

- _____ Review Student Handbook
- _____ Concerning Solo Requirements
- _____ Runway Incursion Avoidance
- _____ Traffic Pattern Operations
- _____ Normal Takeoffs and Landings

Supervised Solo

- _____ Radio Communications
- _____ Taxiing
- _____ Before Takeoff Check
- _____ Runway Incursion Avoidance
- _____ Normal Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Normal Approach & Landing
- _____ Postflight Procedures

COMPLETION STANDARDS:

This lesson and Stage I are complete when the student accomplishes a solo flight supervised by the instructor. The student will adhere to established traffic pattern procedures and demonstrate that solo flight in the traffic pattern can be accomplished safely.

REQUIRED STUDY:

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

Notes:

STAGE II

STAGE OBJECTIVE:

This stage introduces the student to navigating to nearby airports by use of pilotage. The student will also be introduced to diversion, lost procedures, and planning for alternatives if the planned flight cannot be completed. The student will also be introduced to maximum performance takeoffs and landings.

STAGE COMPLETION STANDARDS:

The student will demonstrate performance to a standard that meets performance criteria for a Private Pilot Certificate (ASEL).

**STAGE II
LESSON 33
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-AFH
FAA-H-8083-25-PHAK
Vol 6: Segment 3

Notes:

STAGE II
LESSON 34
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will be introduced to the maximum takeoff and landing performance of the training airplane. The student shall develop an understanding of the maximum performance capabilities of the aircraft.

CONTENT:**Lesson Review**

- _____ Passenger Briefing
- _____ Normal and/or Crosswind Takeoff & Climb
- _____ Normal and/or Crosswind Approach & Landing

Lesson Introduction

- _____ Single-Pilot Resource Management
- _____ Short-Field Takeoff & Climb
- _____ Soft-Field Takeoff & Climb
- _____ Short-Field Approach & Landing
- _____ Soft-Field Approach & Landing

COMPLETION STANDARDS:

The student will be able to explain what runway conditions necessitate the use of short and soft-field takeoff and landing techniques. In addition, the student will be able to demonstrate the correct procedure to be used under these conditions. The maximum performance takeoffs and landings will be performed with minimal assistance from the instructor. Airspeed will be maintained at $V_y + 10$, -5 knots during the climb after a normal or crosswind takeoff. Recommended approach airspeed will be maintained +10, -5 knots and the touchdown will be beyond and within 400 feet of a designated point of landing for normal or crosswind landings.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 6: Segments 5-8

Notes:

STAGE II
LESSON 35
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
 AIM
 A/FD
 Vol 5: Segments 3-5; 16

Notes:

STAGE II
LESSON 36
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.2) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will practice maneuvers to gain proficiency and confidence in his or her ability to obtain the maximum performance from the aircraft.

CONTENT:

Lesson Review

- _____ Passenger Briefing
- _____ Maneuvering during Slow Flight
- _____ Power-Off Stalls (Full)
- _____ Power-On Stalls (Full)
- _____ Forward Slip to a Landing

Lesson Review

- _____ Short-Field Takeoff & Climb
- _____ Soft-Field Takeoff & Climb
- _____ Short-Field Approach & Landing
- _____ Soft-Field Approach & Landing

COMPLETION STANDARDS:

The student will perform takeoffs and landings smoothly, while maintaining good directional control. Slow flight will be performed at an airspeed at which any further increase in angle of attack, increase in load factor, or reduction in power, would result in an immediate stall and will be maintained +10, -0 knots. During short and soft-field takeoffs, airspeed should be maintained at $V_x + 10$, -5 knots until obstacles are cleared, and $V_y + 10$, -5 knots after that. All approaches will be stabilized and desired airspeed will be maintained +10, -5 knots for all landings. The touchdown will be beyond and within 400 feet of a designated point of landing for short-field landings.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 5: Segments 3-10

Notes:

STAGE II
LESSON 37
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 II
LESSON 38
SOLO - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) SP I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
FLIGHT TIME SOLO: (1.0) _____		DISCUSSION: () _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the student will practice maneuvers to gain proficiency and confidence in his or her ability to solo an aircraft.

CONTENT:

Lesson Review

- _____ Normal and/or Crosswind Takeoff & Climb
- _____ Short-Field Takeoff & Climb
- _____ Soft-Field Takeoff & Climb
- _____ Rectangular Course
- _____ S-Turns
- _____ Turns around a Point
- _____ Steep Turns
- _____ Maneuvering during Slow Flight

Lesson Review

- _____ Power-Off Stalls
- _____ Power-On Stalls
- _____ Forward Slip to Landing
- _____ Normal and/or Crosswind Approach & Landing
- _____ Short-Field Approach & Landing
- _____ Soft-Field Approach & Landing
- _____ Other (As Assigned by Instructor)

COMPLETION STANDARDS:

The lesson is complete when the student has safely conducted the assigned solo flight. During this lesson, the student should attempt to gain proficiency in the solo operation of the aircraft.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 5: Segments 11-19

Notes:

STAGE II
LESSON 39
DUAL - GROUND
CROSS-COUNTRY
FLIGHT PLANNING

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 II
LESSON 40
DUAL - PILOTAGE

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

LESSON OBJECTIVE:

During this lesson, the student will determine the course and fly round-trip to an airport more than 25 nautical miles, but less than 50 nautical miles from the airport at which the instruction is given. The student will complete at least one landing at this airport, and at least one additional landing at an airport within 25 nautical miles of the airport where the student normally trains. In addition, the student will follow the course solely by visual reference to landmarks and using the magnetic compass. The instructor will introduce radio communications that may be encountered during pilotage flights.

CONTENT:**Lesson Review**

- _____ Passenger Briefing
- _____ Runway Incursion Avoidance
- _____ Single-Pilot Resource Management
- _____ Normal Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Normal Approach & Landing
- _____ Aeronautical Decision Making & Judgment
- _____ Radio Communications at Non-Towered Airports

Lesson Introduction

- _____ VFR Navigation Charts
- _____ Flight Publications
- _____ Radio Communications with Flight Service & Flight Watch
- _____ Route Selection
- _____ Pilotage
- _____ Use of Magnetic Compass
- _____ Unfamiliar Airport Operation
- _____ Critical Weather Recognition
- _____ Estimates of Heading & Fuel Consumption

COMPLETION STANDARDS:

The student will be able to identify selected landmarks, at all times verify position within 5 nautical miles, maintain heading $\pm 15^\circ$, and maintain altitude ± 200 feet of the selected appropriate altitude. The student will also demonstrate appropriate radio communication procedures at non-towered airports and with Flight Service.

REQUIRED STUDY:

FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 Private Pilot Practical Test Standards
 Vol 6: Segments 1-4

Notes:

**STAGE II
LESSON 41
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 II
LESSON 42
DUAL - PILOTAGE

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.8) _____		DISCUSSION: (0.2) _____	
APT ID: _____		TOTAL IN COURSE: (D/S/G) ____ / ____ / ____	

LESSON OBJECTIVE:

During this lesson, the student will determine the course to fly to an airport more than 25 nautical miles from the airport at which instruction is given. The student will follow the course solely by visual reference to landmarks and using the magnetic compass. The instructor will introduce emergency descents, planning for alternates, and lost procedures.

CONTENT:

Lesson Review

- _____ Single-Pilot Resource Management
- _____ Aeronautical Decision Making & Judgment
- _____ Estimates of Heading & Fuel Consumption
- _____ Critical Weather Recognition
- _____ Unfamiliar Airport Operation
- _____ Route Selection
- _____ Pilotage
- _____ VFR Navigation Charts & Publications

Lesson Introduction

- _____ Emergency Descent
- _____ Planning for Alternatives
- _____ Diversion to an Alternate Airport
- _____ Lost Procedures

COMPLETION STANDARDS:

The student will be able to identify selected landmarks, at all times verify position within 3 nautical miles, maintain heading $\pm 15^\circ$, and maintain the selected appropriate altitude ± 200 feet. The student will explain the conditions and procedures for diversion to an alternate. The student will also be able to effectively communicate at non-towered airports and with Flight Service.

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: Segments 9-18; Review Segments 1-8 as Needed

Notes:

STAGE II
LESSON 43
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
 FAA-H-8083-3-AFH
 FAA-H-8083-25-PHAK
 FAR
 AIM
 Vol 5: Segment 17
 Vol 6: Segment 1

Notes:

**STAGE II
LESSON 44
SOLO - PILOTAGE**

DATE _____ ACFT ID _____ GRADE (Circle One) SP I
STUDENT NAME _____ STUDENT SIGNATURE _____

FLIGHT TIME SOLO: (1.5) _____ DISCUSSION: () _____
APT ID: _____ TOTAL IN COURSE: (D/S/G) _____ / _____ / _____

LESSON OBJECTIVE:

During this lesson, the student will complete a flight to an airport located within 25 nautical miles of the airport where the student normally trains and return to the original departure point. The student will practice takeoffs and landings in order to increase proficiency. The instructor will properly endorse the student for this flight.

CONTENT:**Lesson Review**

_____ Normal and/or Crosswind Takeoff & Climb
_____ Short-Field Takeoff & Climb
_____ Soft-Field Takeoff & Climb
_____ Normal and/or Crosswind Approach & Landing

Lesson Review

_____ Short-Field Approach & Landing
_____ Soft-Field Approach & Landing
_____ Other (As Assigned by the Instructor)

COMPLETION STANDARDS:

The lesson is complete when the student has conducted the assigned flight to another airport and returns. During this lesson, the student should continue to gain proficiency in each of the listed maneuvers.

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 II
LESSON 45
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 II
LESSON 46
DUAL - LOCAL

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (1.0) _____		DISCUSSION: (0.2) _____	
TOTAL IN COURSE: (D/S/G) ____ / ____ / ____			

LESSON OBJECTIVE:

During this lesson, the instructor will evaluate student proficiency with respect to maximum performance takeoffs and landings and pilotage procedures as well as en route systems and equipment problems.

CONTENT:

Lesson Review

- _____ Short-Field Takeoff & Climb
- _____ Soft-Field Takeoff & Climb
- _____ Pilotage
- _____ Diversion
- _____ Lost Procedure
- _____ System & Equipment Malfunctions

Lesson Review

- _____ Emergency Approach & Landing
- _____ Radio Communications
- _____ Short-Field Approach & Landing
- _____ Soft-Field Approach & Landing
- _____ Emergency Descent

COMPLETION STANDARDS:

The student shall perform all maneuvers to the standards established by the current Private Pilot Practical Test Standards.

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:

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.)

COURSE 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 II
LESSON 47
STAGE II CHECK

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

LESSON OBJECTIVE:

The student shall demonstrate the knowledge and skill of a Private Pilot in the areas listed below.

CONTENT:

Lesson Review

ORAL

Preflight Preparation

- _____ Certificates & Documents
- _____ Airworthiness Requirements
- _____ Weather Information
- _____ National Airspace System
- _____ Performance & Limitations
- _____ Operation of Systems
- _____ Aeromedical Factors
- _____ Airport, Runway, and Taxiway Signs, Markings, & Lighting

Lesson Review

FLIGHT

Preflight Procedures

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

Airport Operations

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

Takeoffs, Landings, and Go-Arounds

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

Flight Continued on Next Page

Notes:

FLIGHT (CONTINUED)*Navigation*

- _____ Pilotage
- _____ Diversion
- _____ Lost Procedure

Postflight Procedures

- _____ After Landing, Parking, & Securing

Emergency Operation

- _____ Emergency Descents
- _____ Emergency Approach & Landing
(Simulated)
- _____ Systems & Equipment Malfunctions
- _____ Emergency Equipment & Survival Gear

COMPLETION STANDARDS:

The student will demonstrate proficiency that meets or exceeds Private Pilot proficiency as outlined in the FAA Private Pilot Practical Test Standards.

Notes:

STAGE III

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 III
LESSON 48
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 III
LESSON 49
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

Notes:

STAGE III
LESSON 50
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

- _____ Basic Attitude Instrument Flight - Straight and Level
- _____ Basic Attitude Instrument Flight - Turns in Level Flight
- _____ Basic Attitude Instrument Flight - Constant Airspeed Climbs and Descents

Lesson Introduction

- Basic Attitude Instrument Flight - Recovery from Unusual Flight Attitudes
- VOR Navigation
- Dead Reckoning

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
 Vol 5: Segment 7
 Vol 6: Segment 14

Notes:

STAGE III
LESSON 51
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 III
LESSON 52
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: At least 5 solo cross-country hours must be completed when following this curriculum under 14 CFR part 61. 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 III
LESSON 53
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 III
LESSON 54
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

Notes:

STAGE III
LESSON 55
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 III
LESSON 56
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

Notes:

STAGE III
LESSON 57
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 III
LESSON 58
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

Notes:

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.)

COURSE 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 III
LESSON 59
STAGE III 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
- _____ Runway Incursion Avoidance
- _____ 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

Navigation

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

Lesson Review*Emergency Operations*

- _____ Emergency Descents
- _____ 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 61 or part 141 requirements, as applicable, for the Private Pilot Certificate and determine that the student has met all of them. After the review of the 14 CFR part 61/141 requirements is complete, the Private Pilot flight check should be scheduled.

Notes:

RECORD OF EXTRA TRAINING

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

CONTENT:

[illegible][illegible]

RECORD OF EXTRA TRAINING

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

CONTENT:

[illegible]This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There is a vertical margin line on the left side, creating a narrow left margin. The paper appears to be from a notebook or a standard ruled document.

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

[illegible]This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There is no handwriting or other markings on the paper.

RECORD OF EXTRA TRAINING

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

CONTENT:

[illegible][illegible]

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

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STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

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RECORD OF EXTRA TRAINING

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STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

CONTENT:

[illegible][illegible]

RECORD OF EXTRA TRAINING

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

CONTENT:

[illegible][illegible]

DATE_____ ACFT ID_____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE_____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE_____

FLIGHT TIME: _____ DISCUSSION: _____

TOTAL IN COURSE: (D/S/G) ____ / ____ / ____

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