

STUDENT INFORMATION

Name _____
LAST FIRST MIDDLE

Address _____

City _____ State _____ ZIP _____

Telephone _____
MOBILE HOME WORK

Email _____

Pilot Cert. _____
TYPE CERT # DATE ISSUED

Emergency Contact _____

Phone _____ Relationship _____

ENROLLMENT INFORMATION

Course Title _____

Enrollment Date _____ Approved School Cert # _____

Medical Certificate _____
CLASS DATE ISSUED

Previous School _____ Course Title _____

Training Credit _____
FLIGHT GROUND

Approval of Training Credit _____
CHIEF INSTRUCTOR

Remarks _____

STAGE CHECK / KNOWLEDGE TEST COMPLETION RECORD

Date _____ Stage _____ Ck Pilot _____ Date _____ Stage _____ Ck Pilot _____

Date of Presolo Written _____ Grade _____ Inst. Int. _____

Date of Knowledge Test _____ Grade _____

ENDORSEMENT RECORD

Pre-Training U.S. Citizenship Confirmation or TSA Alien Flight Training Requirements
 Completed with Records Date _____ Type _____ Inst. Int. _____

Initial Solo
 Date _____ A/C Type _____ Inst. Int. _____

90 Day Solo
 Date _____ A/C Type _____ Inst. Int. _____

Date _____ A/C Type _____ Inst. Int. _____

COMPLETION INFORMATION

Completion _____ Transfer _____ Terminated _____
DATE DATE DATE

Records Certified Correct _____
CHIEF INSTRUCTOR

Remarks _____

SPORTY'S®

***WHAT YOU SHOULD KNOW®* SERIES**

SPORT PILOT TRAINING COURSE OUTLINE

(FLIGHT TRAINING SYLLABUS)

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

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**Call: 1 (USA) 800.SPORTYS
(776.7897)**

**Fax: 1 (USA) 800.359.7794
1 (USA) 513.735.9200**

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TRAINING COURSE OUTLINE SPORT PILOT - AIRPLANE

COURSE INTRODUCTION

The Sport Pilot Training Course Outline is the syllabus portion of the Sporty's Academy 14 CFR part 61 Sport Pilot Certification Course. This outline provides a logical, structured sequence that maximizes learning and meets 14 CFR part 61 training time requirements. This Training Course Outline also contains ground lessons appropriate to the Sport Pilot certificate and supplemental lessons for additional training as necessary.

COURSE CONCEPT

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

COURSE ELEMENTS

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

STUDENT VIDEO PREPARATION

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

PREFLIGHT ORIENTATION

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

AIRPLANE PRACTICE

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

POSTFLIGHT EVALUATION

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

LESSON TIMES

Lesson times are specified as a guide to meeting the 14 CFR part 61 training requirements for the Sport 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. Flight routes beyond 25 nautical miles from the departure airport 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 a lesson is graded unsatisfactory, only those pilot operations graded as “5” must be repeated to standards during the next lesson.
2. When a 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.

SPORT PILOT - AIRPLANE TRAINING COURSE OUTLINE

COURSE OBJECTIVES

The student will obtain the aeronautical knowledge, skill, and experience necessary to meet the requirements for a Sport 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 Sport Pilot Certificate (ASEL) are accomplished.

COURSE TIME ALLOCATION TABLE

STAGE	LESSON	FLIGHT TIME				GROUND TIME
		DUAL	SOLO	DUAL X-C	SOLO X-C	DISCUSSION
I	1					1.2
I	2	1.2				0.2
I	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
SI	26	1.5				1.5
I	27					1.2
I	28	1.2				0.2
I	29					1.2
I	30	1.2				0.2
I	31					1.2
I	32	1.0	0.6			0.2
Stage I Totals		19.3	0.6			24
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	1.8				0.2
II	41		1.5			
II	42	2.0		2.0		0.2
II	43		2.0		2.0	
II	44					1.2
II	45	1.0				0.2
SII	46	1.2				1.5
Stage II Totals		8.4	4.5	2.0	2.0	8.5
COURSE TOTALS		27.7	5.1	2.0	2.0	32.5
FAA 61 REQUIREMENTS		15.0	5.0	2.0		
		20.0 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
- _____ LSA Flight Training Supplement
- _____ Aeronautical Decision Making and Judgment

Lesson Introduction

- _____ Aircraft Preflight
- _____ 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
- Sport Pilot Practical Test Standards (Refer to Section 1 of the PTS Study Guide PDF, which accompanies Sporty's Complete Flight Training Course for the Sport Pilot.)
- Sporty's Complete Flight Training Course for the Sport Pilot - 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 Introduction

Flight 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
 Sport 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 incursions, 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 Incursions
- _____ 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
- AIM
- Vol 1: Segments 3-20
- Vol 3: Segment 15
- Vol 4: Segment 2

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 principals of flight as they relate 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 principals of flight including the four forces of flight, the basic components of aircraft construction, forces acting on aircraft when not in straight and level flight, and the effects 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
- _____ 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
- Sport 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
- Sport 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 / Operating Instructions
- Vol 3: Segments 14-18
- Vol 4: Segment 1
- Vol 5: Segment 10

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
- Sport 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 4: Segment 8
- Vol 5: Segment 6

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
- Sport Pilot Practical Test Standards
- Vol 1: Segment 25; Review Segments as Needed
- Vol 2: Segments 1-11

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**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 4: Segment 9
- Vol 5: Segment 8

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

_____ Normal Takeoffs & Landings

Lesson Introduction

- _____ 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
- Sport 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 4: Segments 5 & 9
- Vol 5: Segment 8

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

Lesson Review

- _____ Power-On & Power-Off Stalls
- _____ Steep Turns
- _____ 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 exit turns around a point on a heading $\pm 15^\circ$ of the entry heading. 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
- Sport 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

- _____ 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
- Sport 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 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 Sport/Student Limitations
- _____ 14 CFR Part 67
- _____ 14 CFR Part 91
- _____ 14 CFR Part 141
- _____ NTSB 830

Lesson Introduction

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

COMPLETION STANDARDS:

At the completion of this lesson, the student will have a knowledge of proper decision making, FARs applicable to student and recreational 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
- Sport Pilot Practical Test Standards
- Vol 1: Segments 1-2
- Vol 3: Segments 20-21
- Vol 4: Segment 5
- Vol 5: Segments 4-5

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

- _____ 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
- Sport 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

- _____ 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
- Sport 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

- _____ Crosswind Takeoff & Climb
- _____ Normal Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Engine Starting
- _____ Radio Communications
- _____ Taxiing
- _____ Before Takeoff Check
- _____ Normal Approach & Landing

Lesson Review

- _____ 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
- Sport 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
- _____ Avionics Systems

Lesson Introduction

- _____ Deicing and Anti-icing Systems
- _____ Magnetic Compass and Associated Errors
- _____ Maintenance Requirements
- _____ Service Bulletins / Airworthiness Directives / Safety 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 4: Segment 7
- Vol 5: Segment 5

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
- _____ 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
- _____ 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
- Sport Pilot 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:

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): _____

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

**STAGE I
LESSON 26
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

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
- _____ 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 27
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 3

Notes:

**STAGE I
LESSON 28
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

- | | |
|---|--|
| <p>_____ Crosswind Takeoff & Climb</p> <p>_____ Normal Takeoff & Climb</p> <p>_____ Traffic Pattern Operations</p> <p>_____ Normal Approach & Landing</p> | <p>_____ Crosswind Approach & Landing</p> <p>_____ Go-Around from a Rejected Landing</p> <p>_____ After Landing Checks</p> <p>_____ Parking & Securing</p> |
|---|--|

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
- Sport Pilot Practical Test Standards
- Vol 2: Review Segments as Needed
- Vol 3: Review Segments as Needed

Notes:

**STAGE I
LESSON 29
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
- Airport / Facility Directory
- Vol 4: Segment 5

Notes:

**STAGE I
LESSON 30
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
- _____ Normal and/or Crosswind Takeoff & Climb
- _____ Traffic Pattern Operations
- _____ Systems and Equipment Malfunctions

Lesson Review

- _____ 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
- Sport Pilot Practical Test Standards
- Vols 1-3: Review Segments as Needed

Notes:

**STAGE I
LESSON 31
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 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
- _____ Traffic Pattern Operations
- _____ Normal Takeoffs and Landings

Supervised Solo

- _____ Radio Communications
- _____ Taxiing
- _____ Before Takeoff Check
- _____ 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
- Sport Pilot Practical Test Standards

Notes:

STAGE II

STAGE OBJECTIVE:

This stage introduces the student to navigating to nearby airports by use of pilotage and cross-country operations using pilotage and dead reckoning. The student will 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 Sport 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 4: Segment 7

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

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

Lesson Introduction

- _____ Passenger Briefing
- _____ 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
- Sport Pilot Practical Test Standards
- Vol 4: Segments 1-3

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 4: Segments 5-6
- Vol 5: Segment 2

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
 Sport Pilot Practical Test Standards
 Vol 4: Segments 1-4

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 / Operating Instructions (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 4: Segments 1 & 6

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
- Sport Pilot Practical Test Standards
- Vols 1-3: Review Segments as Needed
- Vol 4: Review Segments 1-4 as Needed

Notes:

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

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

LESSON OBJECTIVE:

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

CONTENT:

Lesson Introduction

- _____ The Wind Triangle
- _____ Dead Reckoning
- _____ Calculating Various Airspeeds
- _____ Electronic E6B Flight Computer

Lesson Introduction

- _____ Manual E6B
- _____ 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: Segments 2 & 9

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: (1.8) _____		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 and lost procedures that may be encountered during pilotage flights.

CONTENT:

Lesson Review

- _____ Passenger Briefing
- _____ 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
- _____ Lost Procedures

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
- Sport Pilot Practical Test Standards
- Vol 4: Segments 5, 8-9; Review Segments 1-4 & 6-7 as Needed
- Vol 5: Segments 3-8

Notes:

**STAGE II
LESSON 41
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
- Sport Pilot Practical Test Standards
- Vols 1-4: Review Segments as Needed
- Vol 5: Segment 10; Review Segments 3-9 as Needed

Notes:

**STAGE II
LESSON 42
DUAL - CROSS-COUNTRY
DAY**

DATE _____	ACFT ID _____	GRADE (Circle One) S U I	
STUDENT NAME _____		STUDENT SIGNATURE _____	
INSTRUCTOR # _____		INSTRUCTOR SIGNATURE _____	
FLIGHT TIME: (2.0) _____ APT IDs: _____ / _____			
DISCUSSION: (0.2) _____ TOTAL IN COURSE: (D/S/G) _____ / _____ / _____			

LESSON OBJECTIVE:

During this lesson, the instructor will introduce the student to dead reckoning, emergency descents, and diversions during a day cross-country flight.

CONTENT:

Lesson Review

- _____ Aeronautical Decision Making & Judgment
- _____ Critical Weather Recognition
- _____ Unfamiliar Airport Operation
- _____ Route Selection
- _____ VFR Navigation Charts & Publications
- _____ Pilotage
- _____ Lost Procedures

Lesson Introduction

- _____ Dead Reckoning
- _____ Emergency Descent
- _____ Planning for Alternatives
- _____ Diversion to an Alternate Airport

COMPLETION STANDARDS:

At the completion of this lesson the student will have a basic knowledge of dead reckoning, emergency descent, and diversion procedures. 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 completion of this lesson, the student must have logged at least 2.0 hours of dual cross-country flight training.**

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Sport Pilot Practical Test Standards
- Vol 5: Segments 1-3; 11

Notes:

**STAGE III
LESSON 43
SOLO - CROSS-COUNTRY
DAY**

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

LESSON OBJECTIVE:

During this lesson, the student will complete a solo cross-country day flight of at least 75 nautical miles, consisting of at least 2 legs with full stop landings at a minimum of 2 points, one leg of the flight being at least 25 nautical miles.

CONTENT:

Lesson Review

- _____ Dead Reckoning
- _____ Pilotage

Lesson Review

- _____ Lost Procedures
- _____ Planning for Alternates

COMPLETION STANDARDS

The student will perform a day cross-country that is at least 75 nautical miles, consisting of at least 2 legs with full stop landings at a minimum of 2 points, one leg of the flight being at least 25 nautical miles. **At the completion of this lesson, the student must have completed a minimum of 5.0 hours of solo flight time.**

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Sport Pilot Practical Test Standards
- Vol 4: Review Segments as Needed
- Vol 5: Review Segments as Needed

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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**STAGE II
LESSON 44
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 Sport Pilot Training Course Outline ground lessons.

CONTENT:

- | | |
|--|--|
| <ul style="list-style-type: none"> _____ Sport Pilot Knowledge Test _____ Certificates & Documents _____ Airworthiness Requirements _____ Weather Information _____ Cross-Country Flight Planning _____ National Airspace System | <ul style="list-style-type: none"> _____ Operation of Systems _____ Aeromedical Factors _____ Performance & Limitations _____ Principles of Flight _____ Airport, Runway, and Taxiway Signs, Markings, & Lighting |
|--|--|

COMPLETION STANDARDS:

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

Notes:

**STAGE II
LESSON 45
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 compared to the requirements of the current Sport Pilot Practical Test Standards.

CONTENT:

Lesson Review

- _____ Passenger Briefing
- _____ 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
- _____ Power-Off Stalls
- _____ Power-On Stalls
- _____ Cockpit Management

Lesson Review

- _____ Pilotage & Dead Reckoning
- _____ Diversion
- _____ Lost Procedure
- _____ System & Equipment Malfunctions
- _____ Emergency Approach & Landing
- _____ Radio Communications
- _____ Normal and/or Crosswind Approach & Landing
- _____ Short-Field Approach & Landing
- _____ Soft-Field Approach & Landing
- _____ Emergency Descent

COMPLETION STANDARDS:

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

REQUIRED STUDY:

- FAA-H-8083-3-AFH
- FAA-H-8083-25-PHAK
- Sport Pilot Practical Test Standards
- Vols 1-4: Review Segments as Needed
- Vol 5: Segments 12-13; Review Segments 1-11 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): _____

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): _____

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

FLIGHT (CONTINUED)

Navigation

- _____ Pilotage & Dead Reckoning
- _____ Diversion
- _____ Lost Procedures

Slow Flight and Stalls

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

Emergency Operation

- _____ Emergency Approach & Landing (Simulated)
- _____ 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 Sport Pilot Practical Test Standards. Also the Instructor and student will review the 14 CFR part 61 requirements for the Sport Pilot Certificate and determine that the student has met all of them. After the review of the 14 CFR part 61 requirements is complete, the Sport Pilot Practical Test should be scheduled.

<p>Notes:</p> <hr/> <hr/> <hr/> <hr/> <hr/>
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