

PRIVATE PILOT FLIGHT TRAINING COURSE SYLLABUS

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List of Effective Pages

Page Number	Date	Revision
1	May 1, 2015	Original
2	May 1, 2015	Original
3	May 1, 2015	Original
4	May 1, 2015	Original
5	May 1, 2015	Original
6	May 1, 2015	Original
7	May 1, 2015	Original
8	May 1, 2015	Original
9	May 1, 2015	Original
10	May 1, 2015	Original
11	May 1, 2015	Original
12	May 1, 2015	Original
13	May 1, 2015	Original
14	May 1, 2015	Original
15	May 1, 2015	Original
16	May 1, 2015	Original
17	May 1, 2015	Original
18	May 1, 2015	Original
19	May 1, 2015	Original
20	May 1, 2015	Original
21	May 1, 2015	Original
22	May 1, 2015	Original
23	May 1, 2015	Original
24	May 1, 2015	Original
25	May 1, 2015	Original
26	May 1, 2015	Original
27	May 1, 2015	Original
28	May 1, 2015	Original
29	May 1, 2015	Original
30	May 1, 2015	Original
31	May 1, 2015	Original
32	May 1, 2015	Original
33	May 1, 2015	Original
34	May 1, 2015	Original
35	May 1, 2015	Original
36	May 1, 2015	Original
37	May 1, 2015	Original
38	May 1, 2015	Original
39	May 1, 2015	Original
40	May 1, 2015	Original
41	May 1, 2015	Original

PRIVATE PILOT - AIRPLANE TRAINING COURSE SYLLABUS

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.

TRAINING COURSE
PRIVATE PILOT FLIGHT – AIRPLANE

COURSE INTRODUCTION

The Private Pilot Flight Training Course is the syllabus portion of ATD Flight Systems 14 CFR part 141 Approved Private Pilot Flight Certification Course. This syllabus provides a logical, structured sequence that maximizes learning and meets 14 CFR part 141 training time requirements. Training times must be increased slightly to meet 14 CFR part 61 requirements for students training under those rules.

COURSE CONCEPT

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

For optimum effectiveness, the viewing of the associated DVDs should be completed prior to the respective flight lessons. If a considerable length of time has elapsed between flight lessons, 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 ATD Flight Systems Private Pilot Flight Course 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 before each lesson. 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.

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.

LESSONTIMES

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 CHECK

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.

STUDENT INFORMATION

COURSE ENROLLMENT

To be enrolled in this course:

- You must be at least 15 years of age.
- Hold a current recreational or student pilot certificate prior to beginning the solo flight-training portion of the course.
- Be concurrently enrolled, have completed ATD Flight Systems Private Pilot Ground course or passed your Private Pilot Knowledge test with an 80% or higher.

REQUIREMENTS FOR SOLO FLIGHT

Before you may fly solo you must hold a Student Pilot Certificate and, at least, a Third Class Medical Certificate. Solo flight operations require specific training, successful completion of a pre-solo knowledge exam, and endorsements from your flight instructor.

REQUIREMENTS FOR GRADUATION

To obtain a graduation certificate for the 14 CFR Part 141 Private Pilot Flight Course, the applicant must:

- A. Be at least 17 years of age;
- B. Hold a Student Pilot certificate;
- C. Be able to read, speak, write, and understand the English language;
- D. Complete all flight training requirements; and
- E. Hold a valid FAA medical certificate

GRADING INSTRUCTIONAL LESSONS

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

Each pilot operation or task will be evaluated at the completion of each instructional lesson.

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

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

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

RECORDING SOLO LESSONS

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

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

SP = STUDENTPRACTICE

I = INCOMPLETE

GRADING NOTES

All completed solo lessons should be graded as Student Practice.

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

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.

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.

Course Time Allocation Table

STAGE NO.	LESSON	FLIGHT TIME								GROUND TIME
		DUAL	SOLO	INST	DUAL X_C	SOLO X_C	NIGHT	FTD	TOTAL	DISCUSSION
I	1	1.0						1.0	1.0	0.5
I	2	1.0						1.0	1.0	0.5
I	3	1.5		0.3				1.5	1.5	0.5
I	4	1.0		0.2					1.0	0.5
I	5	1.0		0.2					1.0	0.5
I	6	1.0		0.2					1.0	0.5
I	7	1.0		0.2					1.0	0.5
I	8	1.0		0.2					1.0	0.5
STG I CHECK	9	1.5		0.2					1.5	1.0
STG I TOTALS		10.0		1.5				3.5	10.0	5.0
II	10	0.5	0.5						1.0	0.5
II	11	1.0							1.0	0.5
II	12	0.5	1.0						1.5	0.5
II	13	1.5							1.5	0.5
II	14		1.5						1.5	0.5
II	15	1.5		0.5				1.5	1.5	0.5
II	16	2.0			2.0				2.0	1.0
II	17	2.5		0.5	2.5				2.5	0.5
II	18	1.0					1.0		1.0	0.5
II	19	2.0		0.3	2.0		2.0		2.0	0.5
II	20		3.0			3.0			3.0	0.5
STG II CHECK	21	1.5		0.3					1.5	1.0
STG II TOTALS		14.0	6.0	1.6	6.5	3.0	3.0	1.5	20.0	7.0
III	22	1.0		0.2					1.0	0.5
III	23		1.0						1.0	0.5
III	24	1.0		0.2					1.0	0.5
III	25		1.0						1.0	0.5
III	26	1.0		0.2					1.0	0.5
STG III CHECK	27	1.5		0.2					1.5	1.0
STG III TOTALS		4.5	2.0	0.8					6.5	3.5
EOC CHECK	28	1.5		0.2					1.5	1.5
COURSE TOTALS		29.0	8.0	4.1	6.5	3.0	3.0	5.0	38.0	17.0
FAA 141 REQUIREMENTS		20.0	5.0	3.0	3.0		3.0		35.0	

Note: The individual lesson times shown on this table are for Instructor/student guidance only. They are not mandatory for each lesson.

STAGE I

STAGE OBJECTIVE:

During this first stage the student obtains the foundation for all future aviation training. The student becomes familiar with the training airplane and learns how the flight controls are used to establish and maintain specific flight attitudes. Through the introduction of new maneuvers and review, the student will gain proficiency to solo the training airplane in the traffic pattern.

STAGE COMPLETION STANDARDS:

At the completion of this stage, the student will demonstrate an understanding of the basic flight maneuvers introduced. The student will understand how to maintain specific flight attitudes and ground tracks. Also, the student will be prepared to solo in the local area and have the proficiency required for introduction to maximum performance takeoff and landing procedures. The student shall receive and log the pre-solo flight training required by 14 CFR Part 61.87 (d).

STAGE II

STAGE OBJECTIVE:

This stage allows the student to expand the skills learned in the previous stage. The student is introduced to maximum performance takeoff and landing procedures. Greater emphasis is placed on attitude control by instrument reference to increase the student's skill and safety. This stage also introduces the student to night flying and cross-country operations. The student will learn to plan and conduct cross-country flights using Pilotage, dead reckoning and radio navigation.

STAGE COMPLETION STANDARDS:

At the completion of this stage, the student will have the proficiency and knowledge of airplane operations necessary to conduct flights outside the local area. The student will be able to accurately plan and conduct cross-country flights. The student shall receive and log the cross-country training required by 14 CFR Part 61.93 (e). The proficiency level must be such that the safety of the student's flight operations is never in question.

STAGE III

STAGE OBJECTIVE:

During this stage the student will receive instruction in preparation for the end-of-course test.

STAGE COMPLETION STANDARDS:

The student will demonstrate proficiency to the standard of performance outlined in the current FAA Private Pilot Practical Test Standards.

STAGE 1

FLIGHT LESSON 1

DUAL – LOCAL (AATD)

LESSON OBJECTIVES

- Become familiar with the training airplane and its systems.
- Learn about certificates, documents, and checklists. Understand how to conduct the necessary preflight activities.
- Learn about the functions of the flight controls, and how they are used to maintain specific attitudes.
- Gain an understanding of preflight preparation and procedures.

Preflight Briefing

	Grade	Grade	Grade
- Fitness for flight	_____	_____	_____
- Positive exchange of flight controls	_____	_____	_____
- Certificates and documents	_____	_____	_____
- Airplane logbooks	_____	_____	_____
- Airplane servicing	_____	_____	_____
- Fuel grades	_____	_____	_____

Introduction

- Use of checklists	_____	_____	_____
- Preflight inspection	_____	_____	_____
- Operation of systems	_____	_____	_____
- Equipment checks	_____	_____	_____
- Location of First Aid Kit	_____	_____	_____
- Location of fire extinguisher	_____	_____	_____
- Engine starting	_____	_____	_____
- Radio communications	_____	_____	_____
- Taxiing	_____	_____	_____
- Before takeoff check	_____	_____	_____
- Normal takeoff and climb	_____	_____	_____
- Straight-and-level flight	_____	_____	_____
- Climbs, descents, and level offs	_____	_____	_____
- Medium banked turns	_____	_____	_____
- Normal approach and landing	_____	_____	_____
- After landing procedures	_____	_____	_____
- Parking and securing the airplane	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Display basic knowledge of aircraft systems and the necessity of checking their operation before flight.
- Learn how the control systems are used to maneuver the airplane on the ground and in the air.
- Maintain altitude ± 250 feet, heading $\pm 25^\circ$, and airspeed ± 15 knots.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 1: Segments 12-22

NOTES

STAGE 1

FLIGHT LESSON 2

DUAL – LOCAL (AATD)

LESSON OBJECTIVES

- Review procedures and maneuvers introduced in Flight Lesson 1, especially preflight activities, ground operations, and attitude control during basic maneuvers using visual reference (VR).
- Introduce airspeed and configuration changes.

Preflight Briefing

	Grade	Grade	Grade
- Human factors concepts	_____	_____	_____
- Preflight activities	_____	_____	_____
- Minimum equipment list	_____	_____	_____
- Airport and runway markings, lighting	_____	_____	_____
- Ground operations, crosswind taxiing	_____	_____	_____
- Collision avoidance precautions	_____	_____	_____
- Airspeed and configuration changes	_____	_____	_____

Review

- Preflight inspection	_____	_____	_____
- Certificates and documents	_____	_____	_____
- Operation of systems	_____	_____	_____
- Use of checklists	_____	_____	_____
- Engine starting	_____	_____	_____
- Radio communications	_____	_____	_____
- Taxiing	_____	_____	_____
- Before takeoff check	_____	_____	_____
- Normal takeoff and climb	_____	_____	_____
- Straight-and-level flight (VR)	_____	_____	_____
- Climbs (VR)	_____	_____	_____
- Descents (VR)	_____	_____	_____
- Medium banked turns (VR)	_____	_____	_____
- Normal approach and landing	_____	_____	_____
- After landing procedures	_____	_____	_____
- Parking and securing	_____	_____	_____
- Airplane servicing	_____	_____	_____

Introduction

- Crosswind taxi	_____	_____	_____
- Airspeed and configuration changes	_____	_____	_____
- Flight at approach airspeed	_____	_____	_____
- Traffic patterns	_____	_____	_____
- Descents with high/low drag	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Display increased proficiency in preflight activities, ground operations, and coordinated airplane attitude control.
- Perform takeoffs with instructor assistance.
- Maintain altitude ± 250 feet, heading $\pm 25^\circ$, and airspeed ± 15 knots.
- Exhibit understanding of attitude control by visual reference (VR).

REQUIRED STUDY

-Sporty’s Complete Flight Training Course for the Private Pilot DVD Vol. 1: Segments 19-27

NOTES

STAGE 1

FLIGHT LESSON 3

DUAL – LOCAL (AATD)

LESSON OBJECTIVES

- Review airspeed control during basic maneuvers and traffic pattern operations.
- Introduce stalls from various flight attitudes to increase understanding of airplane control during normal and critical flight conditions.
- Introduce attitude control by instrument reference (IR).

Preflight Briefing

	Grade	Grade	Grade
- Situational awareness	_____	_____	_____
- Basic instrument maneuvers	_____	_____	_____
- Visual scanning	_____	_____	_____
- Windshear and wake turbulence	_____	_____	_____

Review

- Use of checklists	_____	_____	_____
- Preflight inspection	_____	_____	_____
- Engine starting	_____	_____	_____
- Radio communications	_____	_____	_____
- Before takeoff check	_____	_____	_____
- Normal takeoff and climb	_____	_____	_____
- Traffic patterns	_____	_____	_____
- Collision avoidance precautions	_____	_____	_____
- Airspeed and configuration changes	_____	_____	_____
- Descents with high/low drag	_____	_____	_____
- Flight at approach airspeed	_____	_____	_____
- Normal approach and landing	_____	_____	_____

Introduction

- Maneuvering during slow flight	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Straight-and-level flight (IR)	_____	_____	_____
- Constant airspeed climbs (IR)	_____	_____	_____
- Constant airspeed descents (IR)	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform unassisted takeoffs.
- Landings completed with instructor assistance.
- Demonstrate correct communications and traffic pattern procedures.
- Maintain altitude ± 250 feet, heading $\pm 25^\circ$, and airspeed ± 15 knots.
- Indicate basic ability to control attitude by instrument reference (IR).

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 1: Segments 24-26
- Vol. 2: Segments 1-7

NOTES

STAGE 1

FLIGHT LESSON 4

DUAL - LOCAL

LESSON OBJECTIVES

- Demonstrate the ability to recognize and recover from power-off and power-on stalls.
- Introduce emergency operations.
- Practice airplane control by instrument reference (IR).
- Emphasis on airport operations, steep turns, slow flight, stalls, and stall recovery.

Preflight Briefing

	Grade	Grade	Grade
- Runway incursions	_____	_____	_____
- Wake turbulence avoidance	_____	_____	_____
- Pilot-in-command responsibilities	_____	_____	_____
- Emergency procedures	_____	_____	_____
- Equipment malfunctions	_____	_____	_____

Review

- Maneuvering during slow flight	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Climbing/descending turns (VR,IR)	_____	_____	_____
- Normal takeoffs and landings	_____	_____	_____
- Collision avoidance precautions	_____	_____	_____
- Traffic patterns	_____	_____	_____

Introduction

- Equipment malfunctions	_____	_____	_____
- Emergency procedures	_____	_____	_____
- Emergency descent	_____	_____	_____
- Emergency approach and landing	_____	_____	_____
- Turns to headings (VR,IR)	_____	_____	_____
- Steep turns	_____	_____	_____
- Slow flight	_____	_____	_____
- Stall recovery from turns	_____	_____	_____
- Spin awareness	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate correct communications and traffic pattern procedures.
- Landings completed with instructor assistance.
- Demonstrate basic understanding of steep turns, slow flight, stalls and recoveries, and emergency operations.
- Maintain altitude ± 250 feet, heading $\pm 25^\circ$, and airspeed ± 15 knots.

NOTE: All preflight duties and procedures will be performed and evaluated prior to each flight. Therefore, they will not appear in the lesson content outline.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 2: Segments 7-10
- Vol. 3: Segment 3

NOTES

STAGE 1

FLIGHT LESSON 5

DUAL - LOCAL

LESSON OBJECTIVES

- Practice the review maneuvers to gain proficiency.
- Introduce ground reference maneuvers and slow flight (IR).
- Emphasis on emergency landing procedures.

Preflight Briefing

	Grade		Grade		Grade
- Situational awareness	_____		_____		_____
- Realistic distractions	_____		_____		_____
- Determining wind direction	_____		_____		_____

Review

- Equipment malfunctions	_____		_____		_____
- Emergency procedures	_____		_____		_____
- Emergency descent	_____		_____		_____
- Emergency approach and landing	_____		_____		_____
- Turns to headings (VR,IR)	_____		_____		_____
- Climbing/descending turns (VR,IR)	_____		_____		_____
- Steep turns	_____		_____		_____
- Slow flight	_____		_____		_____
- Power-off stalls	_____		_____		_____
- Power-on stalls	_____		_____		_____
- Stall recovery from turns	_____		_____		_____
- Spin awareness	_____		_____		_____
- Normal takeoffs and landings	_____		_____		_____
- Traffic patterns	_____		_____		_____

Introduction

- Rectangular courses	_____		_____		_____
- S-turns	_____		_____		_____
- Turns around a point	_____		_____		_____
- Slow flight (IR)	_____		_____		_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate correct communications and traffic pattern procedures.
- Landings completed with a minimum of instructor assistance.
- Demonstrate the ability to recognize and recover from stalls.
- Maintain altitude ± 225 feet, headings $\pm 15^\circ$, and airspeed ± 15 knots.
- Indicate basic understanding of attitude instrument flying and emergency landing procedures.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 2: Segment 1; Review as Needed
- Vol. 3: Segments 1-2

NOTES

STAGE 1

FLIGHT LESSON 6

DUAL - LOCAL

LESSON OBJECTIVES

- Practice the review maneuvers to gain proficiency.
- Review ground reference maneuvers.
- Introduce go-arounds, slips, and crosswind takeoffs and landings.
- Emphasis on go-arounds and the more advanced maneuvers.

Preflight Briefing

	Grade	Grade	Grade
- Communications	_____	_____	_____
- Lost communication procedures	_____	_____	_____
- Runway incursion avoidance	_____	_____	_____

Review

- Rectangular courses	_____	_____	_____
- S-turns	_____	_____	_____
- Turns around a point	_____	_____	_____
- Normal takeoffs and landings	_____	_____	_____
- Traffic patterns	_____	_____	_____
- Wake turbulence avoidance	_____	_____	_____
- Emergency descent	_____	_____	_____
- Emergency approach and landing	_____	_____	_____

Introduction

- Go-arounds from a landing	_____	_____	_____
- Forward slips to landing	_____	_____	_____
- Crosswind takeoff and climb	_____	_____	_____
- Crosswind approach and landing	_____	_____	_____
- No flap landing	_____	_____	_____
- ATC light signals	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate correct communications and traffic pattern procedures.
- Understand how the forward slip is used for an approach to a landing.
- Demonstrate the ability to fly a specific ground track while maintaining altitude ± 200 feet, heading $\pm 25^\circ$, and airspeed ± 15 knots.
- Indicate a basic understanding of crosswind takeoffs and landings, and go-arounds.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 2: Segments 11-13
- Vol. 3: Segments 1-6, 13-20

NOTES

STAGE 1

FLIGHT LESSON 7

DUAL - LOCAL

LESSON OBJECTIVES

- Practice instrument flight maneuvers to gain proficiency.
- Review maneuvers that are difficult for the student.
- Practice takeoffs, landings, and emergency procedures for solo flight.
- Emphasis on ground reference maneuvers and emergency operations.

Preflight Briefing

- Applicable FAR Parts 61 and 91
- Airspace rules and procedures
- Airplane (for solo) limitations

Grade

Grade

Grade

Review

- Straight and level flight (VR,IR)
- Constant airspeed climbs (VR,IR)
- Constant airspeed descents (VR,IR)
- Turns to headings (VR,IR)
- Steep turns
- Rectangular courses
- S-turns
- Turns around a point
- Go-arounds from a landing
- Forward slips to landing
- Crosswind takeoff and climb
- Crosswind approach and landing
- Normal takeoffs and landings
- Traffic patterns
- Systems malfunctions
- Emergency procedures
- Emergency descent
- Emergency approach and landing
- ATC light signals

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Display proficiency in instrument flight maneuvers.
- Takeoffs, landings, and go-arounds should be performed without instructor assistance.
- Emergency procedures should be accomplished with minimal assistance.
- Ground reference maneuvers should indicate increasing proficiency.
- Maintain altitude ± 200 feet, heading $\pm 15^\circ$, and airspeed ± 15 knots.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 2: Review as Needed
- Vol. 3: Segments 7-12

NOTES

STAGE 1

FLIGHT LESSON 8

DUAL - LOCAL

LESSON OBJECTIVES

- Prior to this flight, the instructor will administer and grade the Presolo Written Exam and Briefing.
- Practice the maneuvers that are difficult for the student.
- Practice takeoffs, landings, and emergency procedures for solo flight.
- Emphasis on correcting faulty tendencies to prepare the student for the first solo flight.

Preflight Briefing

	Grade	Grade	Grade
- Presolo written exam critique	_____	_____	_____
- Presolo flight training requirements	_____	_____	_____

Review

- Straight and level flight (VR,IR)	_____	_____	_____
- Constant airspeed climbs (VR,IR)	_____	_____	_____
- Constant airspeed descents (VR,IR)	_____	_____	_____
- Turns to headings (VR,IR)	_____	_____	_____
- Slow flight (VR,IR)	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Spin awareness	_____	_____	_____
- Steep turns	_____	_____	_____
- Rectangular courses	_____	_____	_____
- S-turns	_____	_____	_____
- Turns around a point	_____	_____	_____
- Go-arounds from a landing	_____	_____	_____
- Forward slips to landing	_____	_____	_____
- Crosswind takeoff and climb	_____	_____	_____
- Crosswind approach and landing	_____	_____	_____
- Normal takeoffs and landings	_____	_____	_____
- No flap landings	_____	_____	_____
- Traffic patterns	_____	_____	_____
- Systems malfunctions	_____	_____	_____
- Emergency procedures	_____	_____	_____
- Emergency descent	_____	_____	_____
- Emergency approach and landing	_____	_____	_____
- ATC light signals	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Achieve a minimum score of 80% on the Presolo Written Exam, and review with complete understanding.
- Demonstrate the ability for a supervised solo flight in the traffic pattern.
- Exhibit understanding of attitude instrument flying.
- Have a good understanding of the local airport and airspace, and emergency procedures.
- Maintain altitude ±150 feet, heading ± 15°, and airspeed ±10 knots.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 1 & 2: Review as Needed
- Vol. 3: Segments 22-24; Review as Needed

NOTES

STAGE 1

FLIGHT LESSON 9

DUAL - STAGE 1 CHECK

LESSON OBJECTIVES

- Evaluate the student's proficiency in all maneuvers, procedures and knowledge areas of Stage 1.
- Determine if the student is prepared to depart the traffic pattern on future solo flights.

Preflight Briefing

- Policies and Procedures Manual	Grade	Grade	Grade
- Solo flight requirements	_____	_____	_____

Review

- Operation of systems	_____	_____	_____
- Straight and level flight (VR,IR)	_____	_____	_____
- Constant airspeed climbs (VR,IR)	_____	_____	_____
- Constant airspeed descents (VR,IR)	_____	_____	_____
- Turns to headings (VR,IR)	_____	_____	_____
- Slow flight (VR,IR)	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Spin awareness	_____	_____	_____
- Steep turns	_____	_____	_____
- Normal takeoffs and landings	_____	_____	_____
- Go-arounds from a landing	_____	_____	_____
- Forward slips to landing	_____	_____	_____
- Crosswind takeoff and climb	_____	_____	_____
- Crosswind approach and landing	_____	_____	_____
- No flap landings	_____	_____	_____
- Traffic patterns	_____	_____	_____
- Systems malfunctions	_____	_____	_____
- Emergency procedures	_____	_____	_____
- Emergency descent	_____	_____	_____
- Emergency approach and landing	_____	_____	_____
- ATC light signals	_____	_____	_____
- Collision avoidance	_____	_____	_____
- Wake turbulence avoidance	_____	_____	_____
- Radio communications	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform preflight duties, procedures, maneuvers, and postflight duties for solo flight safely in the local training area.
- Maintain altitudes \pm 150 feet, headings \pm 15 degrees, and airspeeds \pm 10 knots.
- Exhibit understanding of attitude instrument flying.
- Have a good understanding of the local airport and airspace, and emergency procedures.

NOTES

STAGE 2

FLIGHT LESSON 10

DUAL AND SOLO - LOCAL

LESSON OBJECTIVES

- Dual portion - Review takeoffs and landings for solo flight proficiency.
- Student will fly the first supervised solo flight in the local traffic pattern.
- Emphasis on correct procedures and techniques for solo flight.

Preflight Briefing

	Grade		Grade		Grade
- Solo flight in the local pattern	_____		_____		_____
- Emergencies	_____		_____		_____

Review

- Radio communications	_____		_____		_____
- Crosswind taxiing	_____		_____		_____
- Normal takeoffs	_____		_____		_____
- Normal landings	_____		_____		_____
- Traffic patterns	_____		_____		_____
- Wake turbulence avoidance	_____		_____		_____
- Go-arounds from landing	_____		_____		_____
- Emergency approach and landing	_____		_____		_____

Introduction

Supervised Solo

- Radio communications	_____		_____		_____
- Taxiing	_____		_____		_____
- Before takeoff check	_____		_____		_____
- Takeoff and climb	_____		_____		_____
- Traffic pattern	_____		_____		_____
- Approach and landing	_____		_____		_____
- After landing procedures	_____		_____		_____
- Postflight procedures	_____		_____		_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate the ability to safely fly the airplane solo in the traffic pattern.
- Complete the solo flight in the traffic pattern.
- Maintain altitude ± 150 feet, heading $\pm 15^\circ$, and airspeed ± 10 knots.

NOTES

STAGE 2

FLIGHT LESSON 11

DUAL - LOCAL

LESSON OBJECTIVES

- Learn the basic procedures for soft-field takeoffs and landings.
- Review ground reference maneuvers and slow flight.
- Emphasis on correct techniques for soft-field takeoffs and landings.

Preflight Briefing

- Weight and balance
- Aeronautical decision making

Grade

Grade

Grade

Review

- Rectangular courses
- S-turns
- Turns around a point
- Slow flight
- Emergency approach and landing

Introduction

- Soft-field takeoff and climb
- Soft-field approach and landing

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate the correct procedure for soft-field takeoff and landing.
- Maintain accurate ground track and altitude ± 150 feet, heading $\pm 15^\circ$, and airspeed ± 10 knots.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 6: Segments 5-8

NOTES

STAGE 2

FLIGHT LESSON 12

DUAL AND SOLO - LOCAL

LESSON OBJECTIVES

- Dual portion - Review takeoffs and landings for solo flight proficiency.
- Student will fly the second supervised solo flight in the local traffic pattern.
- Emphasis on correct procedures and techniques for solo flight.

Preflight Briefing

	Grade		Grade		Grade
- Solo flight in the local pattern	_____		_____		_____
- Emergencies	_____		_____		_____

Review

- Radio communications	_____		_____		_____
- Crosswind taxiing	_____		_____		_____
- Normal takeoffs	_____		_____		_____
- Normal landings	_____		_____		_____
- Traffic patterns	_____		_____		_____
- Wake turbulence avoidance	_____		_____		_____
- Go-arounds from landing	_____		_____		_____
- Emergency approach and landing	_____		_____		_____

Introduction

Supervised Solo

- Radio communications	_____		_____		_____
- Taxiing	_____		_____		_____
- Before takeoff check	_____		_____		_____
- Takeoff and climb	_____		_____		_____
- Traffic pattern	_____		_____		_____
- Approach and landing	_____		_____		_____
- After landing procedures	_____		_____		_____
- Postflight procedures	_____		_____		_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate the ability to safely fly the airplane solo in the traffic pattern.
- Complete the second solo flight in the traffic pattern.
- Maintain altitude ± 150 feet, heading $\pm 15^\circ$, and airspeed ± 10 knots.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segments 11-19

NOTES

STAGE 2

FLIGHT LESSON 13

DUAL - LOCAL

LESSON OBJECTIVES

- Learn the basic procedures for short-field takeoffs and landings.
- Review ground reference maneuvers and soft-field takeoffs and landings.
- Emphasis on correct techniques for short-field takeoffs and landings.

Preflight Briefing

- High density altitude
- Performance estimates

Grade

Grade

Grade

Review

- Turns around a point
- S-turns
- Slips to a landing
- Emergency approach and landing
- Soft-field takeoff and climb
- Soft-field approach and landing

Introduction

- Short-field takeoff and climb
- Short-field approach and landing

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate the correct procedure for short-field takeoff and landing.
- Maintain accurate ground track and altitude ± 150 feet, heading $\pm 15^\circ$, and airspeed ± 10 knots.
- Demonstrate increased proficiency in soft-field takeoffs and landings.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segments 3-10

NOTES

STAGE 2

FLIGHT LESSON 14

SOLO - LOCAL

LESSON OBJECTIVES

- Improve proficiency in all the listed maneuvers.
- Complete first solo flight to another airport located within 25 NM of the original departure point.

Preflight Briefing

- Training area operations

Grade

Grade

Grade

Review

- Normal takeoffs and climbs
- Steep turns
- Slow flight
- Power-on stalls
- Power-off stalls
- Turns around a point
- S-turns
- Normal approaches and landings

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate increased proficiency in takeoffs and landings, stalls, steep turns, and ground reference maneuvers.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5 & 6: Review as Needed

NOTES

STAGE 2

FLIGHT LESSON 15

DUAL – LOCAL (AATD)

LESSON OBJECTIVES

- Introduce airplane control by instrument reference during emergency situations.
- Introduce VOR and ADF orientation, tracking, and homing. A flight training device may be used for this.
- Increase proficiency in takeoffs and landings

Preflight Briefing

- Recovery from unusual attitudes	Grade	_____	Grade	_____	Grade	_____
- VOR, ADF navigation radios		_____		_____		_____
- Situational awareness		_____		_____		_____

Review

- Slow flight	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Soft-field takeoff and climb	_____	_____	_____
- Soft-field approach and landing	_____	_____	_____
- Short-field takeoff and climb	_____	_____	_____
- Short-field approach and landing	_____	_____	_____

Introduction

- VOR orientation and tracking (VR,IR)	_____	_____	_____
- ADF orientation and tracking (VR,IR)	_____	_____	_____
- Power-off stalls (IR)	_____	_____	_____
- Power-on stalls (IR)	_____	_____	_____
- Recovery from unusual attitudes	_____	_____	_____
- Emergency descents and climbs using radio aids	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform stabilized approaches and landings.
- Display correct unusual attitude recovery
- Demonstrate basic understanding of VOR and ADF orientation, tracking, and homing.
- Maintain altitude ±150 feet, heading ± 15°, airspeed ±10 knots, and course deviation less than full scale deflection.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segments 7-9

NOTES

STAGE 2

FLIGHT LESSON 16

DUAL - CROSS-COUNTRY

LESSON OBJECTIVES

- Introduce cross-country planning, procedures, and techniques.

Preflight Briefing

	Grade	Grade	Grade
- Sectional charts	_____	_____	_____
- Flight publications	_____	_____	_____
- Weather information	_____	_____	_____
- Route selection	_____	_____	_____
- Weight and balance	_____	_____	_____
- Fuel requirements	_____	_____	_____
- Performance and limitations	_____	_____	_____
- Navigation log	_____	_____	_____
- FAA flight plan	_____	_____	_____
- Aeromedical factors	_____	_____	_____
- Cockpit management	_____	_____	_____

Review

- Emergency operations	_____	_____	_____
- Emergency descents and climbs using radio aids	_____	_____	_____

Introduction

- Flight plan activation	_____	_____	_____
- Departure	_____	_____	_____
- Course interception	_____	_____	_____
- Pilotage	_____	_____	_____
- Dead reckoning	_____	_____	_____
- Power settings, mixture control	_____	_____	_____
- Diversion to an alternate	_____	_____	_____
- Lost procedures	_____	_____	_____
- Groundspeed, ETA	_____	_____	_____
- CTAF airports	_____	_____	_____
- Landing 50 nm from departure	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Demonstrate an understanding of cross-country flight planning requirements.
- Land at an airport at least 50 nm from the departure airport.
- Demonstrate basic understanding of cross-country navigation.
- Maintain altitude ± 150 feet, heading $\pm 15^\circ$, airspeed ± 10 knots, and course deviation less than $\frac{3}{4}$ scale deflection.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segment 7
- Vol. 6: Segment 14

NOTES

STAGE 2

FLIGHT LESSON 17

DUAL - CROSS-COUNTRY

LESSON OBJECTIVES

- Increase proficiency in cross-country planning, procedures, and techniques.
- Introduce cross-country radio navigation and high density airport operations.

Preflight Briefing

	Grade	Grade	Grade
- Sectional charts	_____	_____	_____
- Flight publications	_____	_____	_____
- Weather information	_____	_____	_____
- Route selection	_____	_____	_____
- Weight and balance	_____	_____	_____
- Fuel requirements	_____	_____	_____
- Performance and limitations	_____	_____	_____
- Navigation log	_____	_____	_____
- FAA flight plan	_____	_____	_____
- Aeromedical factors	_____	_____	_____
- Cockpit management	_____	_____	_____

Review

- Emergency operations	_____	_____	_____
- Emergency descents and climbs using radio aids	_____	_____	_____

Introduction

- Flight plan activation	_____	_____	_____
- Departure	_____	_____	_____
- Course interception	_____	_____	_____
- Pilotage	_____	_____	_____
- Dead reckoning	_____	_____	_____
- VOR navigation	_____	_____	_____
- ADF navigation	_____	_____	_____
- Position fixes by radio facilities	_____	_____	_____
- Flight on Federal Airways	_____	_____	_____
- Power settings, mixture control	_____	_____	_____
- Diversion to an alternate	_____	_____	_____
- Lost procedures	_____	_____	_____
- Groundspeed, ETA	_____	_____	_____
- High density airport operations	_____	_____	_____
- Use of approach/departure control	_____	_____	_____
- Landing 50 nm from departure	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform all aspects of the cross-country flight planning requirements.
- Land at an airport in Class B or C airspace.
- Demonstrate proficiency for solo cross-country flight.
- Maintain altitude ± 150 feet, heading $\pm 10^\circ$, airspeed ± 10 knots, and course deviation less than $\frac{3}{4}$ scale deflection.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segment 9
- Vol. 6: Segment 1

NOTES

STAGE 2

FLIGHT LESSON 18

DUAL - LOCAL, NIGHT

LESSON OBJECTIVES

- Introduce the special operational considerations associated with night flying.
- Practice night traffic patterns, takeoffs and landings.
- Emphasis on the physiological factors and planning associated with the night environment.

Preflight Briefing

	Grade	Grade	Grade
- Night vision	_____	_____	_____
- Visual illusions, disorientation	_____	_____	_____
- Night scanning/collision avoidance	_____	_____	_____
- Aircraft, airport, obstruction lighting	_____	_____	_____
- Personal equipment	_____	_____	_____

Introduction

- Steep turns	_____	_____	_____
- Slow flight	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Soft-field takeoff and landing	_____	_____	_____
- Short-field takeoff and landing	_____	_____	_____
- Emergency approach and landing	_____	_____	_____
- No flap landing	_____	_____	_____
- Equipment malfunctions	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform coordinated stall recoveries with a minimum loss of altitude.
- Maintain altitude ± 150 feet, heading $\pm 10^\circ$, and airspeed ± 10 knots.
- Demonstrate increased proficiency in short-field and soft-field takeoffs and landings.
- Complete at least 5 takeoffs and landings to a full stop.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segments 1-2

NOTES

STAGE 2

FLIGHT LESSON 19

DUAL - CROSS-COUNTRY, NIGHT

LESSON OBJECTIVES

- Introduce night navigation and emergency operations.
- Recognize the importance of thorough planning and accurate navigation.
- Land at an airport at least 50 nm straight-line distance from the departure point and complete 100 nm of total distance.
- Practice instrument flight.

Preflight Briefing

	Grade	Grade	Grade
- Night vision	_____	_____	_____
- Visual illusions, disorientation	_____	_____	_____
- Night scanning/collision avoidance	_____	_____	_____
- Aircraft, airport, obstruction lighting	_____	_____	_____
- Personal equipment	_____	_____	_____
- Cross-country flight planning	_____	_____	_____
- Weather information	_____	_____	_____

Introduction

- Pilotage	_____	_____	_____
- Dead reckoning	_____	_____	_____
- Radio navigation (VR,IR)	_____	_____	_____
- Recovery from unusual attitudes (IR)	_____	_____	_____
- Use of unfamiliar airports	_____	_____	_____
- Diversion to an alternate	_____	_____	_____
- Emergency operations	_____	_____	_____
- Lost procedures	_____	_____	_____
- Equipment malfunctions	_____	_____	_____
- Soft-field takeoff and landing	_____	_____	_____
- Short-field takeoff and landing	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform accurate cross-country planning and navigation.
- Display proficiency in instrument flight maneuvers.
- Demonstrate increased proficiency and accuracy in short-field and soft-field takeoffs and landings.
- Complete at least 5 takeoffs and landings to a full stop.
- Complete a total distance of more than 100 nm, with a landing 50 nm from the original departure point.
- Maintain altitude ± 150 feet, heading $\pm 10^\circ$, airspeed ± 10 knots, and course deviation less than $\frac{3}{4}$ scale deflection.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5: Segments 1-2

NOTES

STAGE 2

FLIGHT LESSON 20

SOLO - CROSS-COUNTRY

LESSON OBJECTIVES

- Prior to this flight, the instructor will complete the Pilot Briefing for Solo Cross-Country.
- Increase proficiency in cross-country planning, procedures, and techniques.
- Use experience and training to complete a solo cross-country flight.
- Land at 3 airports, with one segment at least 50 nm between airports, and complete at least 100 nm of total distance.

Preflight Briefing

	Grade	Grade	Grade
- Sectional charts	_____	_____	_____
- Flight publications	_____	_____	_____
- Weather information	_____	_____	_____
- Route selection	_____	_____	_____
- Weight and balance	_____	_____	_____
- Fuel requirements	_____	_____	_____
- Performance and limitations	_____	_____	_____
- Navigation log	_____	_____	_____
- FAA flight plan	_____	_____	_____
- Aeromedical factors	_____	_____	_____
- Cockpit management	_____	_____	_____

Review

- Flight plan activation	_____	_____	_____
- Departure	_____	_____	_____
- Course interception	_____	_____	_____
- Pilotage	_____	_____	_____
- Dead reckoning	_____	_____	_____
- VOR navigation	_____	_____	_____
- ADF navigation	_____	_____	_____
- Position fixes by radio facilities	_____	_____	_____
- Power settings, mixture control	_____	_____	_____
- Groundspeed, ETA	_____	_____	_____
- Use of unfamiliar airports	_____	_____	_____
- Landing 50 nm from departure	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform accurately all of the cross-country flight planning requirements.
- Land at 3 airports fulfilling the cross-country requirements.
- Demonstrate proficiency in solo cross-country flight.
- Maintain altitude ± 150 feet, heading $\pm 10^\circ$, airspeed ± 10 knots, and course deviation less than $\frac{3}{4}$ scale deflection.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 5 & 6: Review as Needed

NOTES

STAGE 2

FLIGHT LESSON 21

DUAL - STAGE 2 CHECK

LESSON OBJECTIVES

- Evaluate the student's proficiency in all maneuvers, procedures, and knowledge areas of Stage 2.
- Emphasis will be on cross-country planning, procedures, and techniques.

Preflight Briefing

	Grade	Grade	Grade
- Sectional charts	_____	_____	_____
- Flight publications	_____	_____	_____
- Weather information	_____	_____	_____
- Route selection	_____	_____	_____
- Weight and balance	_____	_____	_____
- Fuel requirements	_____	_____	_____
- Performance and limitations	_____	_____	_____
- Navigation log	_____	_____	_____
- FAA flight plan	_____	_____	_____
- Aeromedical factors	_____	_____	_____
- Cockpit management	_____	_____	_____

Review

- Flight plan activation	_____	_____	_____
- Departure	_____	_____	_____
- Course interception	_____	_____	_____
- Pilotage	_____	_____	_____
- Dead reckoning	_____	_____	_____
- VOR navigation	_____	_____	_____
- ADF navigation	_____	_____	_____
- Position fixes by radio facilities	_____	_____	_____
- Power settings, mixture control	_____	_____	_____
- Groundspeed, ETA	_____	_____	_____
- Use of unfamiliar airports	_____	_____	_____
- Diversion to an alternate	_____	_____	_____
- Lost procedures	_____	_____	_____
- Emergency operations	_____	_____	_____
- Short-field takeoff and landing	_____	_____	_____
- Soft-field takeoff and landing	_____	_____	_____

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

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform accurately all of the cross-country flight planning requirements.
- Compute ETA within 10 minutes.
- Demonstrate proficiency in solo cross-country flight.
- Perform short-field and soft-field takeoffs and landings properly.
- Maintain altitude ± 150 feet, heading $\pm 10^\circ$, airspeed ± 10 knots, and course deviation less than $\frac{3}{4}$ scale deflection.

NOTES

STAGE 3

FLIGHT LESSON 22

DUAL - LOCAL

LESSON OBJECTIVES

- Review all the maneuvers required for the private pilot check ride.
- Practice the maneuvers that need more work.

Preflight Briefing

- FARs

Grade

Grade

Grade

Review

- Traffic pattern
- Crosswind takeoff and landing
- Soft-field takeoff and landing
- Short-field takeoff and landing
- Forward slip to landing
- No flap landing
- Go-around
- Steep turns
- Rectangular course
- S-turns
- Turns around a point
- Slow flight
- Power-off stalls
- Power-on stalls
- Spin awareness
- Straight and level flight (IR)
- Constant airspeed climb (IR)
- Constant airspeed descent (IR)
- Turns to heading (IR)
- Unusual attitude recovery (IR)
- Navigation systems (IR)
- Emergency descent
- Emergency approach and landing
- Equipment malfunctions

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform coordinated stall recoveries with a minimum loss of altitude.
- Maintain altitude ± 100 feet, heading $\pm 10^\circ$, airspeed ± 10 knots.
- Demonstrate increased proficiency in all maneuvers.

REQUIRED STUDY

-Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 7: Segments 1-7

NOTES

STAGE 3

FLIGHT LESSON 23

SOLO - LOCAL

LESSON OBJECTIVES

- Review maneuvers required for the private pilot check ride.
- Practice the maneuvers that need more work.

Preflight Briefing

- FARs

Grade

Grade

Grade

Review

- Traffic pattern
- Crosswind takeoff and landing
- Soft-field takeoff and landing
- Short-field takeoff and landing
- Forward slip to landing
- No flap landing
- Go-around
- Steep turns
- Rectangular course
- S-turns
- Turns around a point
- Slow flight
- Power-off stalls
- Power-on stalls

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Increase proficiency to approximate the current Private Pilot Practical Test Standards.

NOTES

STAGE 3

FLIGHT LESSON 24

DUAL - LOCAL

LESSON OBJECTIVES

- Review all the maneuvers required for the private pilot check ride.
- Practice the maneuvers that need more work.

Preflight Briefing

- Performance and limitations

Grade

Grade

Grade

Review

- Traffic pattern
- Crosswind takeoff and landing
- Soft-field takeoff and landing
- Short-field takeoff and landing
- Forward slip to landing
- No flap landing
- Go-around
- Steep turns
- Rectangular course
- S-turns
- Turns around a point
- Slow flight
- Power-off stalls
- Power-on stalls
- Spin awareness
- Straight and level flight (IR)
- Constant airspeed climb (IR)
- Constant airspeed descent (IR)
- Turns to heading (IR)
- Unusual attitude recovery (IR)
- Navigation systems (IR)
- Emergency descent
- Emergency approach and landing
- Equipment malfunctions

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Increase proficiency of all maneuvers to meet the current Private Pilot Practical Test Standards.

REQUIRED STUDY

- Sporty's Complete Flight Training Course for the Private Pilot DVD Vol. 7: Segments 8-15

NOTES

STAGE 3

FLIGHT LESSON 25

SOLO - LOCAL

LESSON OBJECTIVES

- Review maneuvers required for the private pilot check ride.
- Practice the maneuvers that need more work.

Preflight Briefing

- Practical test standards

Grade

Grade

Grade

Review

- Traffic pattern
- Crosswind takeoff and landing
- Soft-field takeoff and landing
- Short-field takeoff and landing
- Forward slip to landing
- No flap landing
- Go-around
- Steep turns
- Rectangular course
- S-turns
- Turns around a point
- Slow flight
- Power-off stalls
- Power-on stalls

Lesson Grade/Date

Flight time/Briefing time

CFI/Student Initials

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Increase proficiency to approximate the current Private Pilot Practical Test Standards.

NOTES

STAGE 3

FLIGHT LESSON 26

DUAL - LOCAL

LESSON OBJECTIVES

- Complete the Private Pilot Practical Test Briefing.
- Review all the maneuvers required for the private pilot check ride. Practice the maneuvers that need more work.

Preflight Briefing

	Grade		Grade		Grade
- Private Pilot Practical Test Briefing_____	_____	_____	_____	_____	_____
- Certificates and documents	_____		_____		_____
- Weather information	_____		_____		_____
- Cross-country flight planning	_____		_____		_____
- National Airspace System	_____		_____		_____
- Performance and limitations	_____		_____		_____
- Operation of systems	_____		_____		_____
- Minimum equipment list	_____		_____		_____
- Aeromedical factors	_____		_____		_____

Review

- Preflight inspection	_____		_____		_____
- Cockpit management	_____		_____		_____
- Engine starting	_____		_____		_____
- Taxiing	_____		_____		_____
- Before takeoff check	_____		_____		_____
- Radio communications/light signals	_____		_____		_____
- Traffic pattern	_____		_____		_____
- Airport/runway markings and lighting	_____		_____		_____
- Crosswind takeoff and landing	_____		_____		_____
- Soft-field takeoff and landing	_____		_____		_____
- Short-field takeoff and landing	_____		_____		_____
- Forward slip to landing	_____		_____		_____
- Go-around	_____		_____		_____
- Steep turns	_____		_____		_____
- Rectangular course	_____		_____		_____
- S-turns	_____		_____		_____
- Turns around a point	_____		_____		_____
- Pilotage and dead reckoning	_____		_____		_____
- Navigation systems/radar services	_____		_____		_____
- Diversion	_____		_____		_____
- Lost procedures	_____		_____		_____
- Slow flight	_____		_____		_____
- Power-off stalls	_____		_____		_____
- Power-on stalls	_____		_____		_____
- Spin awareness	_____		_____		_____
- Straight and level flight (IR)	_____		_____		_____
- Constant airspeed climbs (IR)	_____		_____		_____
- Constant airspeed descents (IR)	_____		_____		_____
- Turns to headings (IR)	_____		_____		_____
- Unusual attitude recovery (IR)	_____		_____		_____
- Navigation systems (IR)	_____		_____		_____
- Emergency descent	_____		_____		_____
- Emergency approach and landing	_____		_____		_____
- Equipment malfunctions	_____		_____		_____
- Emergency equipment	_____		_____		_____
- After landing	_____		_____		_____
- Parking and securing	_____		_____		_____
Lesson Grade/Date	_____	_____	_____	_____	_____
Flight time/Briefing time	_____	_____	_____	_____	_____
CFI/Student Initials	_____	_____	_____	_____	_____

Postflight Briefing / Preview of Next Lesson

COMPLETION STANDARDS

- Perform all maneuvers to the current Private Pilot Practical Test Standards.

NOTES

STAGE 3

FLIGHT LESSON 27

DUAL - STAGE 3 CHECK

LESSON OBJECTIVES

- Evaluate the student for private pilot proficiency.

Preflight Briefing

	Grade	Grade	Grade
- Certificates and documents	_____	_____	_____
- Weather information	_____	_____	_____
- Cross-country flight planning	_____	_____	_____
- National Airspace System	_____	_____	_____
- Performance and limitations	_____	_____	_____
- Operation of systems	_____	_____	_____
- Minimum equipment list	_____	_____	_____
- Aeromedical factors	_____	_____	_____

Review

- Preflight inspection	_____	_____	_____
- Cockpit management	_____	_____	_____
- Engine starting	_____	_____	_____
- Taxiing	_____	_____	_____
- Before takeoff check	_____	_____	_____
- Radio communications/light signals	_____	_____	_____
- Traffic pattern	_____	_____	_____
- Airport/runway markings and lighting	_____	_____	_____
- Crosswind takeoff and landing	_____	_____	_____
- Soft-field takeoff and landing	_____	_____	_____
- Short-field takeoff and landing	_____	_____	_____
- Forward slip to landing	_____	_____	_____
- Go-around	_____	_____	_____
- Steep turns	_____	_____	_____
- Rectangular course	_____	_____	_____
- S-turns	_____	_____	_____
- Turns around a point	_____	_____	_____
- Pilotage and dead reckoning	_____	_____	_____
- Navigation systems/radar services	_____	_____	_____
- Diversion	_____	_____	_____
- Lost procedures	_____	_____	_____
- Slow flight	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Spin awareness	_____	_____	_____
- Straight and level flight (IR)	_____	_____	_____
- Constant airspeed climb (IR)	_____	_____	_____
- Constant airspeed descent (IR)	_____	_____	_____
- Turns to heading (IR)	_____	_____	_____
- Unusual attitude recovery (IR)	_____	_____	_____
- Navigation systems (IR)	_____	_____	_____
- Emergency descent	_____	_____	_____
- Emergency approach and landing	_____	_____	_____
- Equipment malfunctions	_____	_____	_____
- Emergency equipment	_____	_____	_____
- After landing	_____	_____	_____
- Parking and securing	_____	_____	_____

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

Postflight Briefing

COMPLETION STANDARDS

- Perform all maneuvers to meet or exceed the current Private Pilot Practical Test Standards.

NOTES

END OF COURSE

FLIGHT LESSON 28

DUAL - EOC CHECK

LESSON OBJECTIVES

- Evaluate the student for private pilot proficiency.

Preflight Briefing

	Grade	Grade	Grade
- Certificates and documents	_____	_____	_____
- Weather information	_____	_____	_____
- Cross-country flight planning	_____	_____	_____
- National Airspace System	_____	_____	_____
- Performance and limitations	_____	_____	_____
- Operation of systems	_____	_____	_____
- Minimum equipment list	_____	_____	_____
- Aeromedical factors	_____	_____	_____

Review

- Preflight inspection	_____	_____	_____
- Cockpit management	_____	_____	_____
- Engine starting	_____	_____	_____
- Taxiing	_____	_____	_____
- Before takeoff check	_____	_____	_____
- Radio communications/light signals	_____	_____	_____
- Traffic pattern	_____	_____	_____
- Airport/runway markings and lighting	_____	_____	_____
- Crosswind takeoff and landing	_____	_____	_____
- Soft-field takeoff and landing	_____	_____	_____
- Short-field takeoff and landing	_____	_____	_____
- Forward slip to landing	_____	_____	_____
- Go-around	_____	_____	_____
- Steep turns	_____	_____	_____
- Rectangular course	_____	_____	_____
- S-turns	_____	_____	_____
- Turns around a point	_____	_____	_____
- Pilotage and dead reckoning	_____	_____	_____
- Navigation systems/radar services	_____	_____	_____
- Diversion	_____	_____	_____
- Lost procedures	_____	_____	_____
- Slow flight	_____	_____	_____
- Power-off stalls	_____	_____	_____
- Power-on stalls	_____	_____	_____
- Spin awareness	_____	_____	_____
- Straight and level flight (IR)	_____	_____	_____
- Constant airspeed climb (IR)	_____	_____	_____
- Constant airspeed descent (IR)	_____	_____	_____
- Turns to heading (IR)	_____	_____	_____
- Unusual attitude recovery (IR)	_____	_____	_____
- Navigation systems (IR)	_____	_____	_____
- Emergency descent	_____	_____	_____
- Emergency approach and landing	_____	_____	_____
- Equipment malfunctions	_____	_____	_____
- Emergency equipment	_____	_____	_____
- After landing	_____	_____	_____
- Parking and securing	_____	_____	_____

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

Postflight Briefing

COMPLETION STANDARDS

- Perform all maneuvers to meet or exceed the current Private Pilot Practical Test Standards.

NOTES



