PRIVATE PILOT TRAINING COURSE OUTLINE
(FLIGHT TRAINING SYLLABUS)

[Subject]

TRAINING COURSE OUTLINE
PRIVATE PILOT - AIRPLANE

COURSE INTRODUCTION

The Private Pilot Training Course Outline is the syllabus portion of the Sporty's Academy 14 CFR part 141 Approved Private Pilot Certification Course. This outline provides a logical, structured sequence that maximizes learning and meets 14 CFR part 141 training time requirements. Training times must be increased slightly to meet 14 CFR part 61* requirements for students training under those rules. This Training Course Outline also contains ground lessons appropriate to the Private Pilot certificate and supplemental lessons for additional training as necessary.

COURSE CONCEPT

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

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

COURSE ELEMENTS

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

STUDENT VIDEO PREPARATION REQUIRED PRE-STUDY

This training course outline is based on Sporty's Complete Flight Training course for the Private Pilot. It is important that the student view all six volumes in the Private Pilot course. For each lesson, there is REQUIRED PRE-STUDY of specific video sections and this should be accomplished as self-study. Additional topics may also be assigned by the instructor. To maximize the learning benefit of the material, the student should also review the required sections after completion of each lesson. This is particularly true of any subject areas where the student encountered difficulty.
Reference sources are listed in the Pre-study sections. The student should refer to these documents to further develop their understanding. If any subject is not fully understood in the video training, the student should refer to these documents.

PREFLIGHT ORIENTATION

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

AIRPLANE PRACTICE

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

POSTFLIGHT EVALUATION

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

LESSON TIMES

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

STUDENT STAGE CHECKS AND END-OF-COURSE TESTS

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

GRADING INSTRUCTIONAL LESSONS

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

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

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 = UNSATIS FACTORY

Indicates that all or part of the task or lesson content was not completed to the standards outlined in the Completion Standards. One or more pilot operations graded as unsatisfactory" will require an overall lesson grade of unsatisfactory.

I = INCOMPLETE

Indicates that the content of the lesson was not completed, but the pilot operations covered were satisfactory. Pilot operations not completed must be indicated with an "I".

RECORDING SOLO LESSONS

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

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

SP = STUDENT PRACTICE	All completed solo lessons should be graded as Student Practice.
I = INCOMPLETE	The student did not complete all the pilot operations listed on the lesson sheet.

GRADING NOTES

1. When an instructional lesson is graded unsatisfactory, only those pilot operations graded as unsatisfactory must be repeated to standards during the next lesson.

2. When any lesson is graded incomplete, the pilot operations not performed must be completed prior to attempting the pilot operations for the next lesson.

3. Use the "TOTAL IN COURSE: (D/S/G)" lines within the grading box to total the student's dual, solo, and ground instruction times in the course after each lesson.

TSA ALIEN FLIGHT STUDENT PROGRAM RECORDS

The TSA mandated Alien Flight Student Program (AFSP) has a number of compliance and record keeping requirements.

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

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

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

PRIVATE PILOT - AIRPLANE
TRAINING COURSE OUTLINE

COURSE OBJECTIVES

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

COURSE COMPLETION STANDARDS

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

Course Time Allocation Table

STAGE		FLIGHT TIME						GROUND TIME
	LESSON	DUAL	SOLO	INST	DUAL X-C	SOLO X-C	NIGHT	DISCUSSION
I	1							1.2
I	2	1.2						0.2
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
I	26							1.2
SI	27	1.5						1.5
I	28							1.2
I	29	1.2						0.2
I	30							1.2
I	31	1.2						0.2
I	32	1.0	0.6					0.2
STAGE I TOTALS		19.3	0.6					24.0
II	33							1.2
II	34	1.2						0.2
II	35							1.2
II	36	1.2						0.2
II	37							1.2
II	38		1.0					
II	39							1.2
II	40	1.5						0.2
II	41							1.2
II	42	1.8						0.2
II	43							1.2
II	44		1.5					
II	45							1.2
II	46	1.0						0.2
SII	47	1.2						1.5
STAGE II TOTALS		7.9	2.5					10.9
III	48							1.2
III	49							1.2
III	50	1.5		0.5	1.5			0.2
III	51	1.5		0.5	1.5			0.2
III	52		2.0			2.0		
III	53							1.2
III	54	1.0		0.5			1.0	0.2
III	55	2.0		0.5	2.0		2.0	0.2
III	56	1.5		0.5				0.2
III	57							1.2
III	58	1.5		0.5				0.2
SIII	59	1.2		0.3				1.5
STAGE III TOTALS		10.2	2.0	3.3	5.0	2.0	3.0	7.5
COURSE TOTALS		37.4	5.1	3.3	5.0	2.0	3.0	42.4
FAA 141 REQUIREMENTS		20.0	5.0	3.0	3.0		3.0	35.0
		35 TOTAL						

STAGE I

STAGE OBJECTIVE:

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

STAGE COMPLETION STANDARDS:

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

STAGE I
LESSON 1
DUAL - GROUND
TRAINING AIRCRAFT

DATE_____GRADE (Circle One) S U I

STUDENT NAME: [Subject]_____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.

REQUIRED PRESTUDY:

Sporty's *Complete* Flight Training Course for the Private Pilot on DVD.)
Sporty's *Complete* Flight Training Course for the Private Pilot - DVD Vol 1: Segments 1-13
References:
FAA-H-8083-3-AFH - Airplane Flying Handbook
FAA-H-8083-25-PHAK - Pilot's Handbook of Aeronautical Knowledge

CONTENT:

Lesson Introduction

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

Lesson Introduction

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

COMPLETION STANDARDS:

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

Notes:

STAGE I
LESSON 2
DUAL - LOCAL

DATE_____ACFT ID_____GRADE (Circle One) S U I

STUDENT NAME: [Subject]_____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.

REQUIRED PRE-STUDY:

Vol 1: Segments 12-22
References:
FAA-H-8083-3-AFH
FAA-H-8083-25-PHAK

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.

Notes

STAGE I
LESSON 3
DUAL - GROUND
AIRPORTS

DATE_____GRADE (Circle One) S U I

STUDENT NAME: [Subject]_____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.

REQUIRED PRE-STUDY:

Vol 1: Segments 3-20
Vol 3: Segment 15
Vol 7: Segment 5
References:
FAA-H-8083-3-AFH
FAA-H-8083-25-PHAK
FAR - 14 CFR Aviation Regulations AIM - Aeronautical Information Manual

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.

Notes:

STAGE I
LESSON 4
DUAL - GROUND
AERODYNAMICS

DATE_____GRADE (Circle One) S U I

STUDENT NAME: [Subject]____STUDENT SIGNATURE_____

INSTRUCTOR #_____INSTRUCTOR SIGNATURE_____

DISCUSSION: (1.2) _____

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

LESSON OBJECTIVE:

During this lesson, the student will be introduced to the four forces of flight, forces occurring on an aircraft not in straight and level flight, and the effects of flaps.

REQUIRED PRE-STUDY:

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

CONTENT:

Lesson Introduction

_____ 4 Forces of Flight
_____ Airframe Construction (Components)
_____ Three Axes of Flight
_____ Forces Acting on a Climbing Airplane
_____ Angle of Attack

Lesson Introduction

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

COMPLETION STANDARDS:

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

Notes:

Call Crosswinds Aviation to sign up for our structured Private Pilot course. You will receive the full syllabus during Lesson 1.

517-552-1101

http://www.crosswindsaviation.com/

info@crosswindsaviation.com