PRIVATE PILOT CERTIFICATE
TRAINING COURSE OUTLINE AND SYLLABUS
OVERVIEW

APPLICABILITY

This Training Course Outline prescribes the minimum curriculum required for a private pilot certification course under Title 14 Part 141 Appendix B for an Airplane Single-Engine Land rating.

COURSE OBJECTIVE

The student will obtain the knowledge, skill, and aeronautical experience necessary to meet the requirements for a Private Pilot Certificate in an Airplane Single-Engine Land.

COURSE COMPLETION STANDARDS

The student will demonstrate through written, computerized, oral, and flight tests, and show through appropriate records, that the knowledge, skill, and experience requirements necessary to obtain a Private Pilot Certificate in an Airplane Single-Engine Land are met.

TRAINING SYLLABUS

The training syllabus meets all curriculum requirements as prescribed by FAR Part 141, Appendix B. It is composed of integrated ground and flight lessons to allow greater flexibility and to accommodate individual needs. The ground lessons may be taught either separately or concurrently with the flight lessons.

COURSE TIMEFRAME

The Training Course contains three (3) stages. Each stage is designed to be completed in no more than ninety (90) days. Additionally, this course is designed to meet the 3 hours of dual flight training in an aircraft that is appropriate to the aircraft category and class for which the course applies, in preparation for the practical test within 60 days preceding the date of the test.

Sporty's Academy is located at Clermont County/Sporty's Airport (I69) and holds Air Agency Certificate **No. XSTS103K**.

Sporty's Academy is owned and operated as:

SPORTY'S ACADEMY, INC.
2001 SPORTY'S DRIVE
CLERMONT COUNTY/SPORTY'S AIRPORT
BATAVIA, OHIO 45103

TABLE OF CONTENTS

DESCRIPTION OF REVISIONS

REVISION #	REVISION DATE	REVISION DESCRIPTION	SECTION(S)	PAGE NUMBERS
Original	09-03-1997	Initial Course Offering	ALL	ALL
1	04-17-1998	Assistant Chief & Editorial	II, IV, V, & VI	NUMEROUS
2	08-26-1998	Assistant Chief & Editorial	III, IV, V, & VI	NUMEROUS
3	11-10-1999	Assistant Chief	IV	2
4	06-01-2000	Assistant Chief & Management	INTRO, IV	2, 1& 2
5	10-20-2000	Chief & Assistant Chief	IV	1 & 2
6	04-27-2001	TCO & Chief	INTRO, IV, V, & VI	ALL
7	11-01-2001	Chief & Assistant Chief	IV	1 & 2
8	02-01-2002	Lesson Sequence & Study References	VI	ALL
9	08-01-2002	Editorial Changes & Content Update Consolidation of Content	ALL	ALL
10	11-25-2002	Airport Update, TCO Editorial Changes, & Chief	III, IV, V, VI	ALL
11	03-17-2006	Editorial Changes, Personnel, & Content Update	ALL	ALL
12	08-01-2008	Editorial Changes, Personnel, & Content Update	INTRO, I, II, IV, V, VI	NUMEROUS
13	07-20-2012	Editorial Changes, Personnel, & Content Update	ALL	ALL
14	10-10-2017	Editorial Changes, Personnel, & Content Update	ALL	ALL
15	05-10-2021	Editorial Changes, Personnel, & Content Update	ALL	ALL
16/ Master Original	09-29-2023	Initial Offering of Combined Master TCO Replacing Individual TCOs Approved Since 1997	ALL	ALL
17/ Master 1	05-01-2024	Update Management Personnel for Chief Instructor, Assistant Chief Instructor, and for Satellite Assistant Chief. Update Flight Briefing Area Diagrams. Removed BATD from Equipment. Update Course Descriptions. Add End of Course Review Check To TCO. Prepare Flight Lessons for Loss of Local VORs	INTRO, I, II, IV, V, VI	ALL
18	11-01-2024	Split from Master Back to Individual TCO with Requisite Header & Content Updates. Update Personnel to Include Director of Flight Operations	COVER, TABLE OF CONTENTS, IVI	VARIOUS
19	07-23-2025	Editorial Changes, Content Update, Update Flight Briefing Area Diagrams and Provisions for Examining Authority	ALL	ALL

FAA Approved **GL-FSDO-05**

Karin Hensellek	POI
Printed Name	**Title**
KARIN L HENSELLEK Digitally signed by KARIN L HENSELLEK Date: 2026.02.03 07:13:30 -05'00'	02/03/2026
Signature	**Date**

SECTION I
FACILITIES

TRAINING CENTER
The Training Center is the focal point for all flight lesson activity. The Training Center is located on the second floor of the Sportsman's Market, Inc. building at the Clermont County/Sporty's Airport. Adequate areas are provided for the dispatch and recovery of all flight lesson activity.

In addition, the Training Center provides three (3) Flight Briefing Areas.

FLIGHT BREIFING AREAS
All flight briefing areas are equipped with tables and chairs adequate for both students and instructors.

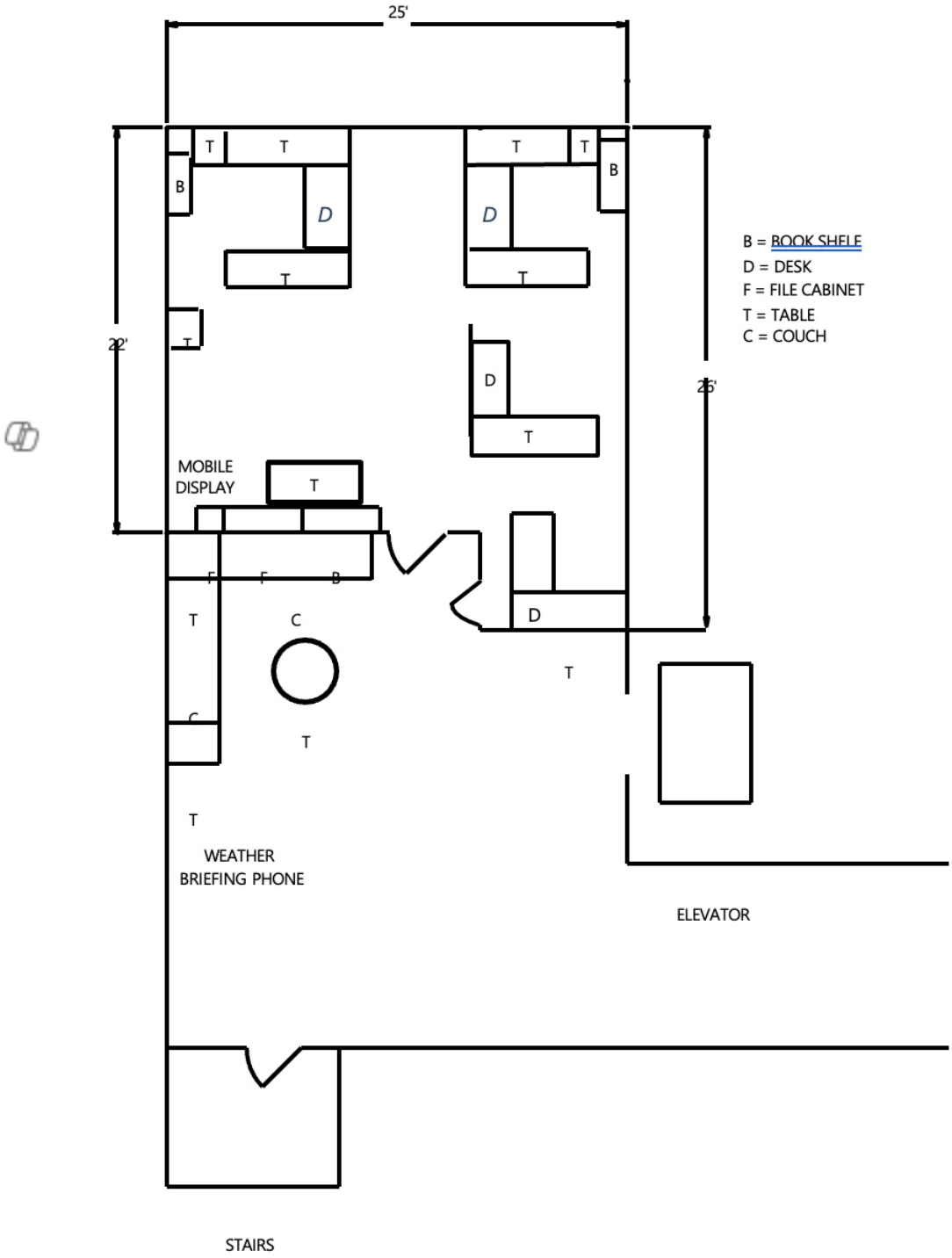
In Flight Briefing Area No. 1, a telephone is available to provide communication with a Flight Service Station.

SATELLITE BASE
Sporty's Academy may conduct the classroom portion of the academic course at a satellite training facility. The classrooms used are provided by the University of Cincinnati. The typical University of Cincinnati Classroom is adequately equipped to present the appropriate ground lessons.

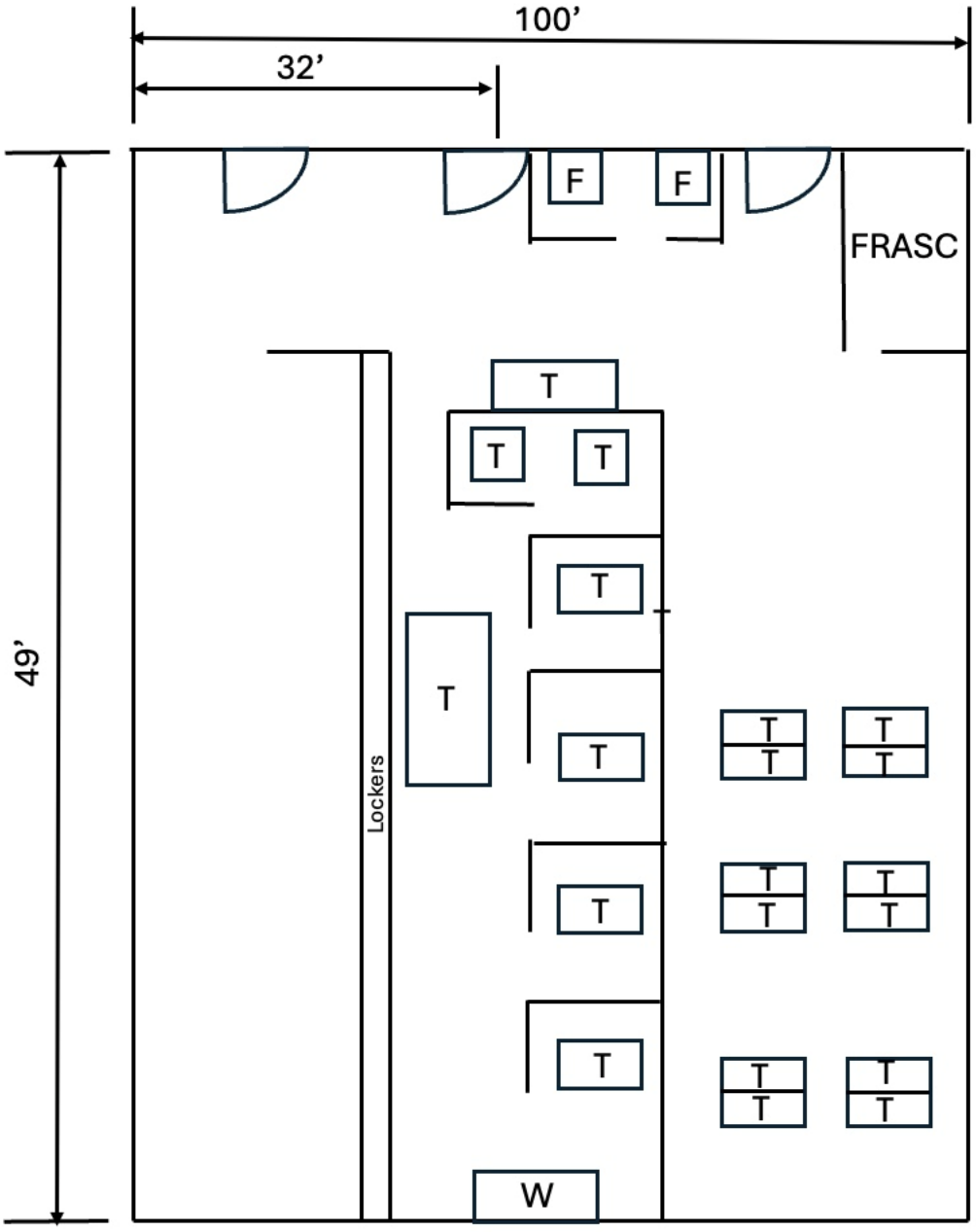
University of Cincinnati
Clermont College
4200 Clermont College Drive
Batavia, OH 45103

Note: All rooms and areas conform to local building, sanitation, and health codes. All rooms are designed and located so that students will not be distracted by the instruction conducted in other rooms or by flight and maintenance operations on the airport.

FLIGHT BRIEFING AREA #1
MAXIMUM NUMBER OF STUDENTS = 10

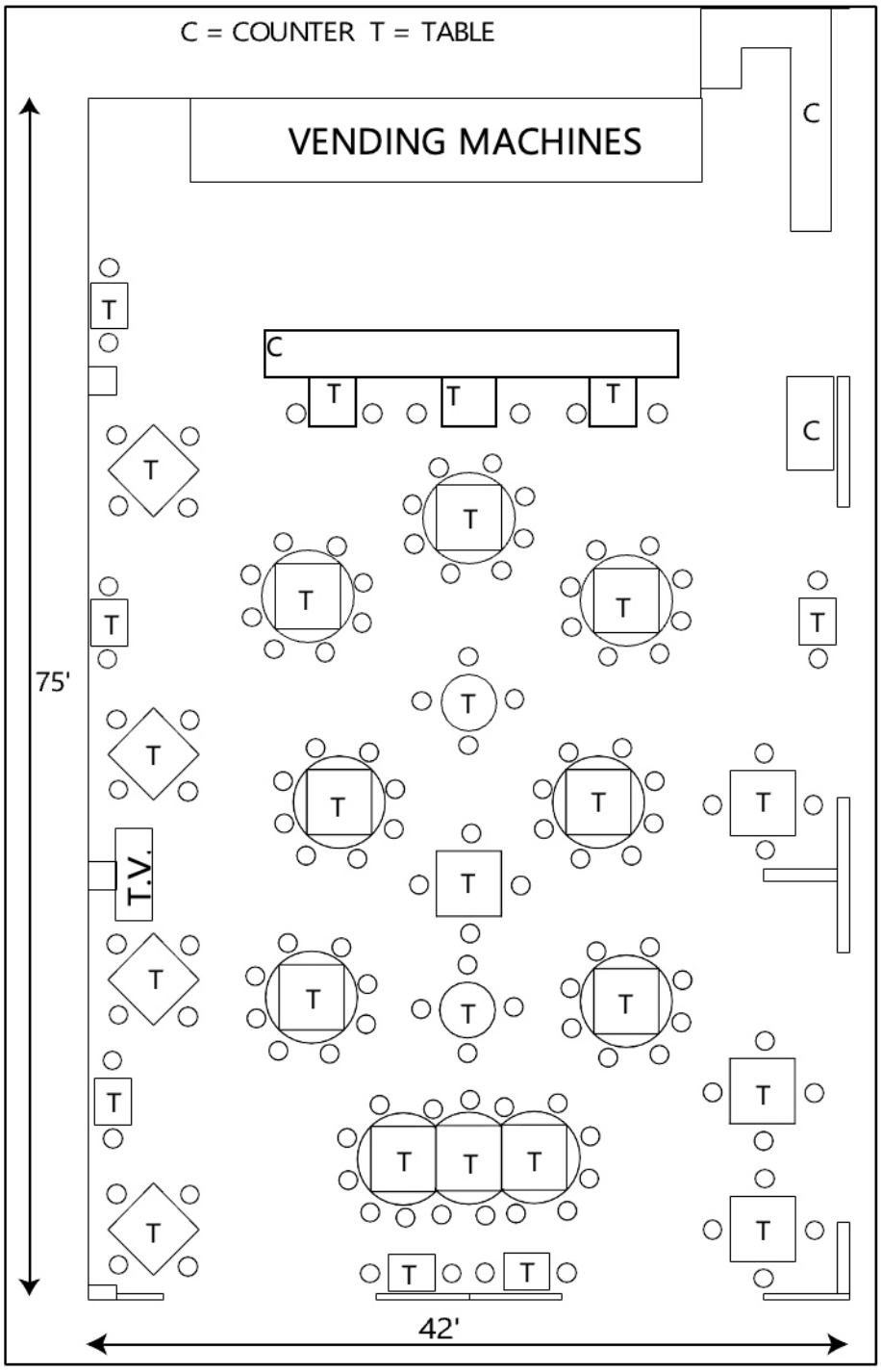


FLIGHT BRIEFING AREA #2
Maximum Number of Students=75



T-Table W- Workstation
F-Fixed Training Device
FRASC- FRASCA A RTD/AATD

FLIGHT BRIEFING AREA #3
MAXIMUM NUMBER OF STUDENTS = 75

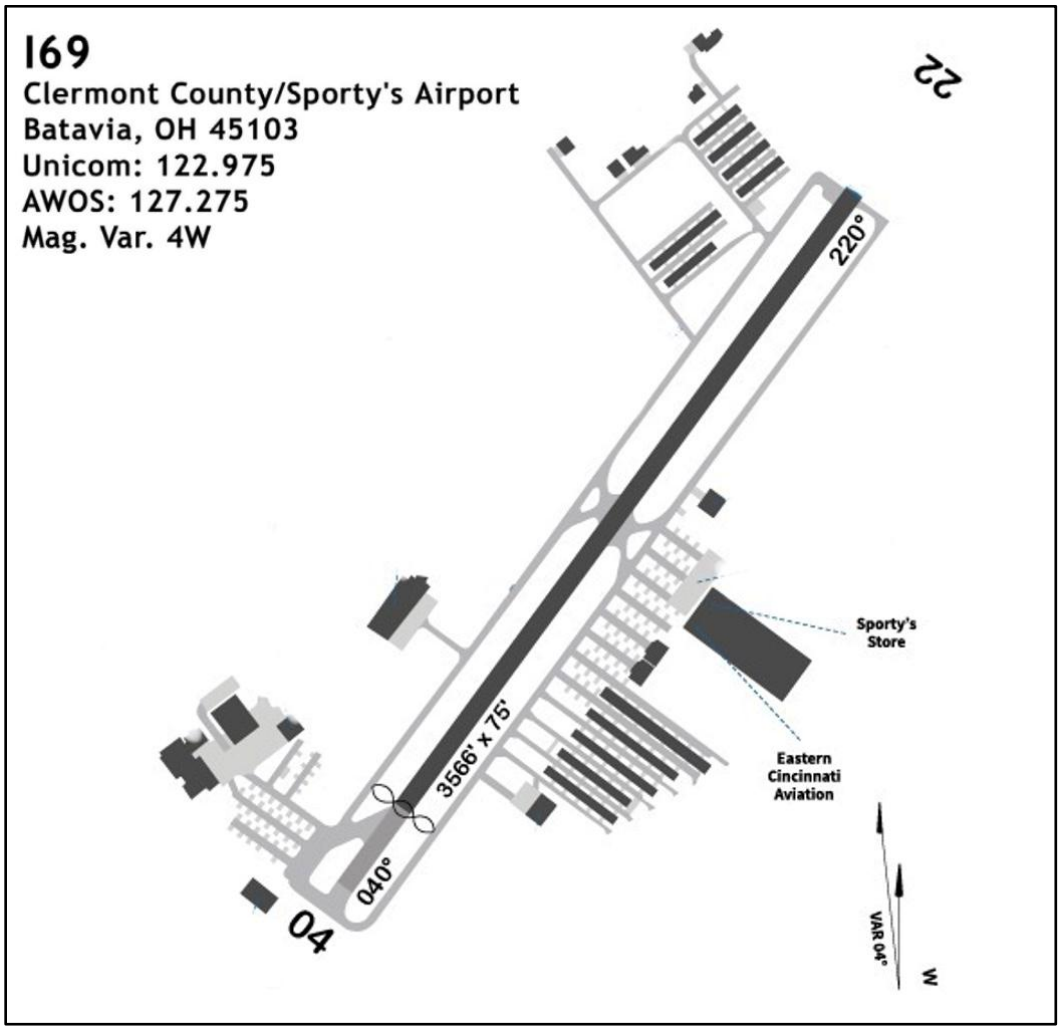


AIRPORT

Clermont County/Sporty's Airport (I69) is the main operations base for training. The airport has one hard surface runway and meets the requirements of 14 CFR §141.38 for day and night flight operations.

The airport provides Area Navigation, RNAV (GPS), approaches. Fuel and maintenance services are available between 0800 and 1800 hours, Monday through Saturday, and between 1100 and 1800 on Sundays.

AIRPORT DIAGRAM



SECTION II
EQUIPMENT

GROUND TRAINING AIDS

The training aids available for use, as appropriate, in this course are as follows:

- Flight Instruments for demonstration purposes.
- Projectors, televisions, white boards, tablets, and computers.
- For enhancement and reinforcement of training, a variety of videos, online programs, tablet apps, and computer software are available
- Models of airplanes for demonstration
- Sporty's Learning Management System (LMS) may be used as an additional method to provide ground instruction in a synchronous or asynchronous manner as a planned part of the syllabi within this TCO. Other technologies may be utilized to supplement the LMS as needed. Monitoring of student activity and verification of online ground lesson attendance, testing and evaluation, and other routine classroom procedures may be completed through these technologies as required. Ground instruction completed within an LMS or remote environment will be included in the student's training record.

AIRCRAFT

The aircraft that may be used in this course are as follows:

1. Cessna 172 (Model N, M, R, S)

All aircraft used in this course must:

1. Be registered as a civil aircraft of the United States and certified in the Standard Airworthiness, Primary Airworthiness, or Special Light-Sport Airworthiness category.
2. Be maintained and inspected in accordance with the requirements of 14 CFR Part 91.
3. Have engine power controls and flight controls easily accessible and that operate in a normal manner from each pilot station.
4. The aircraft used for training in the Private Pilot Certification Course meet the limitations of a Private Pilot, 14 CFR § 61.102.

SECTION III
TRAINING AIRPORTS

All airports in this course must meet the requirements outlined in 14 CFR §141.38.

In addition to the Clermont County/Sporty's Airport, the airports listed at https://sportysacademy.com/customerportal1/approved-airports/ are approved for use during training and meet these requirements.

Only a Chief Instructor or a member of Sporty's Academy Management may approve airports other than those listed.

Airports listed without a hard surfaced runway or with a runway less than 3000' long may only be used on Dual flights with a Sporty's Academy instructor in an approved aircraft.

SECTION IV
PERSONNEL

MEMBERS OF MANAGEMENT
The individuals listed below are considered to be the members of management for Sporty's Academy, Inc. Any interaction, requests, or other necessary contact concerning Sporty's Academy should be accomplished through the following individuals.

President - Charles Gallagher
Director of Flight Operations - Dustin M. Yockey

CHIEF INSTRUCTOR
Chief Instructor designated for this course must meet the requirements outlined in 14 CFR §141.35 and will be designated by letter per LOA A006.

Chief Instructor - Dustin M. Yockey

ASSISTANT CHIEF INSTRUCTOR
The Assistant Chief Instructor designated for this course must meet the requirements outlined in 14 CFR §141.36 and will be designated by letter per LOA A006.

Assistant Chief Instructor - Jayme L. Frederick

CHECK INSTRUCTOR
Check Instructors designated for this course must meet the requirements outlined in 14 CFR §141.37 and will be designated, in writing, by a Chief Instructor and approved by the Flight Standards District Office as required by §141.37 (b). Records of these designations will be maintained.

FLIGHT INSTRUCTOR
Each flight instructor assigned to this course must be the holder of at least a Commercial Pilot Certificate with an Airplane category rating and a Single Engine Land class rating. In addition, each instructor must hold a Flight Instructor Certificate with an Airplane category rating, with a Single Engine class rating. All flight instructors are required to hold at least a third class medical certificate or meet alternative medical requirements as allowed by the FAA under 14 CFR §61.23(c), also known as BasicMed.

OTHER INSTRUCTOR
Each instructor assigned to this course for the purpose of teaching ground lessons must meet the flight instructor requirements listed above or hold a Ground Instructor certificate with a Basic or Advanced rating.

SECTION V
TRAINING COURSE INTRODUCTION

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

Optimum effectiveness is realized when ground lessons and the viewing of the associated Sporty's Learning Management System (LMS) content are 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 conduct a short review of essential material.

COURSE ELEMENTS

The Private Pilot Certification Course utilizes integrated flight and ground segments. The course includes the latest FAA Airman Certification Standards (ACS) and a maximum of student-oriented instruction. The syllabus and support materials not only provide necessary information but also guide the student through the training in a logical manner.

PREFLIGHT ORIENTATION

Prior to each dual lesson, an instructor must provide the student with an 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 defines unfamiliar terms and explains the maneuvers and objectives of each lesson.

LESSON REVIEW

When a lesson plan contains review tasks and maneuvers, the flight should begin with a review of at least several previously learned maneuvers and tasks before new maneuvers and tasks are introduced. The instructor must be confident that the student can perform review tasks and maneuvers to the standards of the lesson.

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 and helps to prepare the student for the next lesson.

The instructor must bear in mind that all the times listed on the Course Time Allocation Table are recommended. The time designated for each lesson reflects the time spent with the well-prepared student. If necessary, additional time may be allotted.

STUDENT STAGE CHECKS AND END-OF-COURSE TEST

Stage checks and end-of-course test measure the student's accomplishments during each stage of training. The conduct of each stage check and the end-of-course test is the responsibility of the Chief Instructor. The authority to conduct these checks and tests may be delegated by the Chief Instructor to an Assistant Chief Instructor or Designated Check Instructor. This procedure provides close supervision of training and another opinion on the student's progress. The stage checks and end-of-course test also give the Chief Instructor an opportunity to check the effectiveness of the instructors and their teaching methods.

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. The Chief Instructor may approve flight operations in the subsequent stage, provided that this approval is documented and for a specific reason. Valid reasons might include aircraft maintenance that is preventing progress in the current stage or a client medical issue that temporarily prevents solo flight operations in the current stage. Operations in the subsequent stage should be limited.

GROUND TRAINING

In accordance with 14 CFR Part 141, ground training is an integral part of the pilot certification course. The ground training portion of the course may be presented to the student as a formal classroom program, individually by the instructor, or through Sporty's LMS. The ground lessons may be taught through the course of flight training or may be presented as an entire unit prior to the flight training. For a student who enrolls in this course who has a current knowledge test, their ground instruction will be tailored to ensure they demonstrate adequate knowledge per FAR 141 Appendix B. 3. prior to the practical test. This allows greater flexibility and accommodation to individual student needs. In any case, no flight lesson may be conducted until the appropriately sequenced ground lesson has been completed.

The ground instruction is provided using three methods in the Private Pilot Certification Course: person to person discussion (individual or class), flight briefings, and video instruction. All three methods meet or exceed the minimum ground training requirement of 35 hours.

Sporty's LMS provides electronic tracking of the student's time spent on each topic which is viewable by the flight instructor. This tracking information will be transferred to the student's training record for review by the Chief Instructor during the graduation process. The video instruction portion of Sporty's LMS is designed to be viewed prior to the associated ground instruction and are noted by "ADDITIONAL STUDY" at the end of the ground lesson where appropriate. Sporty's LMS may be utilized in the form of online content, tablet apps, television apps, and other equivalent formats that allow tracking of views. Maximum LMS time for individual lessons is published in the signature block.

FLIGHT TRAINING

This course includes at least 35 hours of flight training (of which 20 hours must be with a certificated flight instructor) for an Airplane Single Engine Land (ASEL), including:

1. 3 hours of cross-country flight training
2. 3 hours of night flight training including:
    (i) One cross country flight of more than 100 nautical mile total distance
    (ii) 10 takeoffs and landings to a full stop (with each landing involving a flight in the traffic pattern)
3. Three hours of flight training on the control and maneuvering of a single engine airplane solely by reference to instruments, including straight and level flight, constant airspeed climbs and descents, turns to a heading, recovery from unusual flight attitudes, radio communications, and the use of navigation systems/facilities and radar services appropriate to instrument flight
4. 3 hours of flight training in a single-engine airplane in preparation for the practical test within 60 days preceding the date of the test.

Each training flight must include a preflight briefing and a postflight critique of the student by the flight instructor assigned to that flight.

Flight training must include the following approved areas of operation for an ASEL:

- Preflight preparation;
- Preflight procedures;
- Airport operations;
- Takeoffs, landings, and go-arounds;
- Performance maneuvers;
- Ground reference maneuvers;
- Navigation;
- Slow flight and stalls;
- Basic instrument maneuvers;
- Emergency operations;
- Night operations; and
- Postflight procedures.

Solo Flight Training:
5 hours of solo flight training that includes at least:

1. One solo 100 nautical miles cross country flight with landings at a minimum of three points and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoff and landing locations; and

2. Three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower.

Stage checks and end-of-course test:

1. Each student must satisfactorily accomplish the stage checks and end-of course test according to the syllabus lessons and completion standards for an ASEL.

PRIVATE PILOT CERTIFICATION COURSE IMPLEMENTATION

In an effort to maximize training time the syllabus lessons are divided into two general categories; Dual and Solo. Dual lessons are lessons during which the instructor introduces new maneuvers and tasks, or reviews maneuvers and tasks. Solo lessons are lessons that the student is the sole occupant of the airplane.

The lesson sequence and content have been designed to provide the student with maximum training prior to the introduction of new maneuvers or procedures.

If absolutely necessary, the placement of lesson assignments in the coordinated program may be changed by allowing the student to progress more rapidly. If this method is used, the student should not be allowed to progress into the next stage until the completion of all flight lessons in the current stage of training. The only exceptions to this are that ground lessons may be accomplished prior to the completion of the previous stage or when approved as previously defined.

If deviation from the normal lesson progression is desired, the Chief Instructor can approve the change of sequence of Solo lessons. Only a Chief Instructor may grant approval for the change of sequence of Dual and Ground lessons (except as previously specified that ground lessons may be completed earlier). Flight lessons should not be conducted prior to the appropriately sequenced ground lessons. For example, if lesson #10 is a ground lesson, then lessons #11, 12, 13, etc., should not take place until lesson #10 has been satisfactorily completed.

If the student is completing the ground training and flight training courses concurrently, the flight instructor must ensure that the student's flight training does not progress faster than the ground training.

GRADING INSTRUCTIONAL LESSONS

FLIGHT LESSONS

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

All content pilot operations tasks marked "Lesson Task" must be completed and graded. Any task that is graded must meet or exceed the completion standard for that specific lesson for the student to move on to the next lesson. The instructor, at their discretion, may advance a student to the next lesson if there will be an opportunity to repeat the tasks graded below lesson completion standards on that next lesson.

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

1 = EXCEEDS AIRMAN CERTIFICATION STANDARDS (ACS)	The student demonstrates knowledge or skills that exceed the lesson completion standard or ACS as appropriate, with no procedural or mechanical errors. The flight instructor does not provide any assistance.
2 = MEETS AIRMAN CERTIFICATION STANDARDS (ACS)	The student demonstrates knowledge or skills that exceed the lesson completion standard or meet the ACS as appropriate. Occasional procedural or mechanical errors are quickly recognized and corrected.
3 = AVERAGE	The student consistently demonstrates knowledge and skills that meet lesson completion standards with timely recognition of procedural or mechanical errors.
4 = BELOW AVERAGE	The student demonstrates knowledge and skills with difficulty. They are slow in recognizing and correcting procedural or mechanical errors.
5 = BELOW ACCEPTABLE STANDARDS	The student does not demonstrate adequate knowledge or skills. They are unable to recognize and correct procedural or mechanical errors.
I = INCOMPLETE	The student has not completed the pilot operation task 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's Completion Standards.
U = UNSATISFACTORY	Indicates that all or part of the lesson content was not completed to the standards outlined in the individual lesson's Completion Standards. One or more pilot tasks/operations graded as a "5" when the required Completion Standard is 4 or above, will require an overall grade of unsatisfactory.
I = INCOMPLETE	Indicates the content of the lesson was not completed, but the pilot tasks/operations covered were satisfactory. Pilot operations not completed must be indicated with an "I."

RECORDING SOLO FLIGHT LESSONS

The student will indicate each task performed on the solo lesson sheet with the following grading scale to show completion. Any task performed that is not listed must be noted in the remarks section or other designated field. Cross-country routes shall also be recorded in the remarks section or other designated field.

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

SP = STUDENT PRACTICE	The student completed all the pilot operations listed on the lesson sheet.
I = INCOMPLETE	The student did not complete all the pilot operations listed on the lesson sheet.

GROUND LESSONS

For ground instruction lesson, all content pilot operations tasks marked "Lesson Task" must be completed and marked with a "C" designating the completion of the instructional element.

The overall ground lessons will be assigned a "grade" based on the following criteria.

C= COMPLETE	The student completed all the content tasks listed on the lesson sheet.
I = INCOMPLETE	The student did not complete all the content tasks listed on the lesson sheet.

GRADING NOTES

1. When a lesson is graded unsatisfactory, only those tasks graded below lesson completion standards must be repeated to standards during the next lesson.
2. When a lesson is graded incomplete, the tasks not performed must be completed prior to attempting the tasks for the next lesson.
3. When a paper TCO is being utilized, 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.

STUDENT INFORMATION

COURSE ENROLLMENT

- To enroll in this course, you must be at least 16 years of age and able to read, speak, write and understand the English language.
- You must hold either a Recreational Pilot Certificate, Sport Pilot Certificate, or Student Pilot Certificate before the solo flight phase of this course.
- A Third Class FAA medical (or higher) or Basic Med must be obtained prior to the first solo flight lesson.

REQUIREMENTS FOR GRADUATION

- You must satisfactorily complete the training outlined in this syllabus.
- To obtain a Private Pilot Certificate, you must hold either a Recreational Pilot Certificate, Sport Pilot Certificate, or Student Pilot Certificate.
- You must be at least 17 years of age and be able to read, speak, write, and understand the English language.
- In order to graduate from this course, you must meet the flight and ground training time requirements specified in 14 CFR Part 141, Appendix B.

LESSON DESCRIPTION AND STAGES OF TRAINING

Each lesson is fully described within the syllabus, including the objectives, standards, and measurable units of accomplishment and learning. The stage objectives and standards are described at the beginning of each stage within the syllabus.

TESTS AND CHECKS

The syllabus incorporates stage checks and an end-of-course test in accordance with 14 CFR Part 141. The conduct of each stage check and end-of-course test is the responsibility of the Chief Instructor. The authority to conduct these checks and tests may be delegated to an Assistant Chief Instructor or Designated Check Instructor as appropriate.

STUDENT USE OF THIS TRAINING COURSE OUTLINE AND SYLLABUS

Students should use this document to aid in preparation and review of each ground and flight lesson. Students should be aware of each lesson's objective and completion standards, as they will be evaluated against those standards.

The "additional study" items on each lesson should be reviewed by the student prior to completing that lesson regarding the pilot operation tasks listed. Various FAA handbooks are indicated by the FAA publication number and abbreviation. Students are required to use the Sporty's Learn to Fly (private pilot) video course.

Students will navigate between video chapters as standard component of the integrated ground and flight training process. It's in the best interest of each student to be familiar with all of the features within the video course, including the Flight Maneuvers Guide and the Interactive Scenarios.

Sporty's Learn to Fly video course segments are indicated as "Vol #: Segment #."

Volume 1: Your First Few Hours
Volume 2: Practicing Landings
Volume 3: Your First Solo
Volume 4: Your Dual Cross Countries
Volume 5: Your Solo Cross Countries
Volume 6: Your Private Pilot Test
Volume 7: Supplemental Training (Optional)
Volume 8: Interactive Scenarios (Optional)

PRIVATE PILOT CERTIFICATION COURSE
FLIGHT TRAINING SYLLABUS

COURSE OBJECTIVES

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

COURSE COMPLETION STANDARDS

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

COURSE TIME ALLOCATION TABLE

Stage	Lesson	FLIGHT TIME						Ground and/or LMS*
		Dual	Solo	Inst	Dual X-C	Solo X-C	Night	
I	1							1.2
	2	1.2						0.2
	3							1.2
	4							1.2
	5	1.2						0.2
	6							1.2
	7	1.2						0.2
	8							1.2
	9	1.2						0.2
	10							1.2
	11	1.2						0.2
	12							2.0
	13	1.2						0.2
	14							1.0
	15	1.2						0.2
	16							1.2
	17	1.2						0.2
	18							1.2
	19	1.2						0.2
	20							1.2
	21	1.2						0.2
	22							1.2
	23	1.2						0.2
	24							1.2
	25	1.2						0.5
	26							1.2
I – Stage Check	27	1.5						1.5
I	28							1.2
	29	1.2						0.2
	30							1.2
	31	1.2						0.2
	32	1.0	0.6					0.2
II	33							1.2
	34	1.2						0.2
	35							1.2
	36	1.2						0.2
	37							1.2
	38		1.0					
	39							1.2
	40	1.5						0.2
	41							1.2
	42	1.8						0.2
	43							1.2
	44		1.5					
	45							1.2
	46	1.0						0.2
II – Stage Check	47	1.2						1.5
III	48							1.2
	49							1.2
	50	1.5		0.5	1.5			0.2
	51	1.5		0.5	1.5			0.2
	52		2.0			2.0		
	53							1.2
	54	1.0		0.5			1.0	0.2
	55	2.0		0.5	2.0		2.0	0.2
	56	1.5		0.5				0.2
	57							1.2
	57a	2.0		0.3				2.0
	58	1.2		0.5				0.2
III – EOC Test	59	2.0		0.3				2.0
	Course Totals	**39.9**	**5.1**	**3.6**	**5.0**	**2.0**	**3.0**	**45.5**
FAA 141 Requirements		**20.0**	**5.0**	**3.0**	**3.0**		**3.0**	**35.0**

* Course maximum LMS time is 15 hours of the required 35 total hours.

STAGE I

STAGE OBJECTIVES

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 _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.9) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Dispatch Procedures	C		Engine Controls	C
	Use of Checklists	C		Flight Controls	C
	Certificates and Documents Location and Use	C		Emergency Equipment and Survival Gear	C
	Aircraft Preflight	C		Aircraft Servicing	C
	Aeronautical Decision Making and Judgment	C		Fuel Grades	C
	Recovery / Postflight Procedures	C			

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.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Pilot's Handbook of Aeronautical Knowledge - Chapter 9
Sporty's *Private* Learn to Fly Course - Video Vol 1: Segments 1-7, 12, 13, 26
Vol 3: Segment 16

STAGE I
LESSON 2
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____ LMS CREDIT (MAX 1.6) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
Preflight Orientation			**Flight Orientation**		
	Dispatch Procedures	5		Climb/ Level Off	5
	Preflight Inspection	5		Straight and Level Flight / Use of Trim	5
Flight Orientation				Pitch / Power Coordination	5
	Passenger Briefing	5		Shallow Banked Turns	5
	Flight Deck Management	5		Descents/ Level Off	5
	Use of Checklists	5		Traffic Pattern Operations	5
	Engine Starting	5		Practice Area Operations	5
	Radio Communications	5		Collision Avoidance	5
	Taxiing/ Brake Check	5		Normal Approach and Landing	5
	Before Takeoff Check	5		After Landing Checks	5
	Normal Takeoff and Climb	5		Parking, Securing, and Proper Tie Down	5
	Aircraft Flight Instruments	5		Recovery / Postflight Procedures	5

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.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 2, 3, 6, 8, & 9
FAA-H-8083-25-PHAK - Chapters 6 & 8
Vol 1: Segments 14, 19, 21-24
Vol 2: Segments 2, 11 -13
Vol 3: Segments 4, 15
Vol 5: Segment 8
Vol 6: Segment 6

STAGE I
LESSON 3
DUAL – GROUND
AIRPORTS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.8) _____

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

LESSON OBJECTIVE

During this lesson, the student will be introduced to wind direction indicators, airport operations, runway incursion avoidance, and traffic avoidance.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Wind Direction Indicators	C		Runway Incursion Avoidance	C
	Airport, Runway, and Taxiway Signs	C		Use of Aircraft Lighting during Taxi and Traffic Pattern Operations	C
	Airport, Runway, and Taxiway Markings	C		Collision Avoidance	C
	Airport, Runway, and Taxiway Lighting	C		Scanning For Traffic	C
	Radio Calls and Checks	C		Traffic Pattern Operations	C
	CTAF	C		Practice Area Operations	C
	Obtaining Airport Advisories	C			

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of wind indicators, airport operations, and traffic avoidance.

ADDITIONAL STUDY

AC 91-73 - Parts 91 and 135 Single Pilot, Flight School Procedures During Taxi Operations
FAA-H-8083-3-AFH - Chapters 2 & 8
FAA-H-8083-25-PHAK - Chapter 14
FAR - 14 CFR Aviation Regulations
AIM - Aeronautical Information Manual - Chapter 2
Vol 1: Segments 15-18
Vol 2: Segment 14
Vol 3: Segment 24, 25
Vol 5: Segment 23

STAGE I
LESSON 4
DUAL – GROUND
AERODYNAMICS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.9) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Four Forces of Flight	C		Forces Acting on a Climbing Airplane	C
	Three Axes of Flight	C		Forces Acting on a Descending Airplane	C
	Angle of Attack	C		Forces Acting on a Turning Airplane	C
	Critical Angle of Attack/ Stalls	C		Effect of Flaps	C
	Spin Awareness	C			

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. The student's understanding of spin awareness will include stall awareness, spin entry, spins, and spin recovery techniques.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapter 5
FAA-H-8083-25-PHAK - Chapters 4 & 5
Vol 1: Segment 25
Vol 2: Segments 5-6, 9, 10
Vol 3: Segments 19-21

STAGE I
LESSON 5
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____ LMS CREDIT (MAX 0.3) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Dispatch Procedures	4		Runway Incursion Avoidance	5
	Preflight Inspection	4		Maneuvering during Slow Flight	5
	Passenger Briefing	5		Power-Off Stalls (imminent)	5
	Flight Deck Management	5		Power-On Stalls (imminent)	5
	Engine Starting	5		Stall Awareness	5
	Taxiing/ Brake Check	5		Spin Awareness	5
	Before Takeoff Check	5		Use of Flaps	5
	Normal Takeoff and Climb	5			
	Traffic Pattern Operations	5			
	Practice Area Operations	5			
	Normal Approach and Landing	5			
	After Landing, Parking, and Securing	5			

COMPLETION STANDARDS

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

- Stalls will be performed in both straight and level and turning flight. Straight stalls will maintain heading ±30° with recovery airspeed maintained at VY +20, -10kts.
- 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 a stall warning and will be maintained +30, -0kts. Headings will be kept ±20°, and altitude ±300 feet.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 5, 6, 8, & 9
FAA-H-8083-25-PHAK - Chapters 5 & 6
Vol 2: Segment 7
Vol 3: Segment 1

STAGE I
LESSON 6
DUAL – GROUND
AIRPLANE STABILITY, LOAD FACTOR, WAKE TURBULENCE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.1) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Static Stability (Positive, Neutral, Negative)	C		Wingtip Vortices	C
	Dynamic Stability (Positive, Neutral, Negative)	C		Wake Turbulence and Avoidance	C
	Dihedral Effect	C		Load Factor and Gusts	C
	Ground Effect	C			

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.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapter 5
AIM - Chapter 7
Vol 2: Segment 15

STAGE I
LESSON 7
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	4		Flight at Low Cruise Airspeeds	5
	Passenger Briefing	4		Airspeed Transitions/ Use of Trim	5
	Flight Deck Management	4		Climbs to Altitudes (Constant Airspeed, Constant Rate)	5
	Engine Starting	5		Descents to Altitudes (Constant Airspeed, Constant Rate)	5
	Taxiing/ Brake Check	5		Turns to Headings (Medium Bank)	5
	Before Takeoff Check	5			
	Normal Takeoff and Climb	5			
	Traffic Pattern Operations	5			
	Practice Area Operations	5			
	Maneuvering during Slow Flight	5			
	Power-Off Stalls (Imminent)	5			
	Power-On Stalls (Imminent)	5			
	Normal Approach and Landing	5			
	After Landing Checks, Parking, and Securing	5			

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 ±200 feet, heading ±20°, and airspeeds ±15 knots.
- The student shall maintain the assigned heading ±15° and the required airspeed ±10 knots during the constant airspeed climbs and descents.
- The student will have an awareness of the need for proper aircraft trimming during airspeed transitions.
- Airspeed will be maintained at VY +25, -10 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +25, -10 knots and the touchdown within 750 feet beyond or on the specified point of landing.
- 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 a stall warning (e.g., aircraft buffet, stall horn, etc.) and will be maintained +25, -0 knots. Headings will be maintained ±15° and altitude will be maintained ±250 feet.
- Stalls will be performed in both straight and level and turning flight. Straight stalls will maintain heading ±25° with recovery airspeed maintained at VY +20, -10kts.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapter 5
FAA-H-8083-25-PHAK - Chapters 5, 6, & 11
Review Learn to Fly Course as Needed

STAGE I
LESSON 8
DUAL – GROUND
AIRCRAFT
PERFORMANCE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.7) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Factors Affecting Performance	C		Training Airplane's Performance Charts	C
	Takeoff Data Card	C		Headwind / Crosswind Calculations	C
	Airplane Weight and Balance	C			

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.

ADDITIONAL STUDY

FAA-H-8083-3-AFH – Chapters 3 & 6
FAA-H-8083-25-PHAK – Chapters 4, 5, 10, & 11
AFM/POH – Airplane Flight Manual / Pilot Operating Handbook
Vol 3: Segments 10
Vol 5: Segment 5-7
Vol 6: Segment 7, 8

STAGE I
LESSON 9
DUAL – LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____ LMS CREDIT (MAX 0.1) _____

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			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	3		Power-Off Stalls (Full) with and without Flaps	5
	Passenger Briefing	3		Power-On Stalls (Full) with and without Flaps	5
	Flight Deck Management	3		Steep Turns	5
	Engine Starting	4			
	Taxiing/ Brake Check	4			
	Before Takeoff Check	4			
	Normal Takeoff and Climb	4			
	Traffic Pattern Operations	4			
	Practice Area Operations	5			
	Stall Awareness	5			
	Spin Awareness	5			
	Normal Approach and Landing	5			
	After Landing, Parking, and Securing	5			

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 will hold assigned altitudes ±250 feet, heading ±30°, and airspeeds ±15 knots.
- Airspeed will be maintained at VY +20, -10 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +20, -5 knots and the touchdown within 750 feet beyond or on the specified point of landing.
- Stalls will be performed in both straight and level and turning flight. Straight stalls will maintain heading ±20° with recovery airspeed maintained at VY +20, -10kts.
- Steep turns will be performed in both directions while maintaining a 45° bank ±10°, with altitude ±300 feet, and rollout on heading ±20°.

ADDITIONAL STUDY
FAA-H-8083-3-AFH – Chapter 5
FAA-H-8083-25-PHAK – Chapter 5
Vol 3: Segment 3

STAGE I
LESSON 10
DUAL – GROUND
WEATHER THEORY

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	The Atmosphere	C		Clouds	C
	Pressure	C		Air Masses	C
	Wind	C		Fronts	C
	Moisture	C		Frontal Weather	C
	Humidity	C		Thunderstorms	C
	Stability	C		Other Hazardous Weather Conditions	C

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of basic atmospheric processes.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK – Chapters 4 & 12
FAA-H-8083-28-AWH – Aviation Weather Handbook – Chapters 4-14, 18-20, & 22
Vol 3: Segments 7-8, 17
Vol 4: Segment 16
Vol 5: Segments 4, 12-14

STAGE I
LESSON 11
DUAL – LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	3		Maneuvering during Slow Flight	4
	Passenger Briefing	3		Steep Turns	5
	Flight Deck Management	3		Power-Off Stalls – Straight (Full)	5
	Engine Starting	4		Power-Off Stalls – Turning (Full)	5
	Taxiing/ Brake Check	4		Power-On Stalls – Straight (Full)	5
	Before Takeoff Check	4		Power-On Stalls – Turning (Full)	5
	Normal Takeoff and Climb	4		Normal Approach and Landing	4
	Traffic Pattern Operations	4		After Landing, Parking, and Securing	4
	Practice Area Operations	4			

COMPLETION STANDARDS

The student will perform aircraft functions and maneuvers without assistance from the instructor.

- The student will hold assigned altitudes ±200 feet, heading ±20°, and airspeeds ±10 knots.
- Airspeed will be maintained at VY +20, -10 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +20, -5 knots and the touchdown within 750 feet beyond or on the specified point of landing.
- Stalls will be performed in both straight and level and turning flight with recovery airspeed maintained at VY +20, -10kts. Straight stalls will maintain heading ±20°.
- Steep turns will be performed in both directions while maintaining a 45° bank ±10°, with altitude ±250 feet, and rollout on heading ±20°.
- 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 a stall warning (e.g., aircraft buffet, stall horn, etc.) and will be maintained +20, -0 knots. Headings will be maintained ±15° and altitude will be maintained ±200 feet.

ADDITIONAL STUDY

FAA-H-8083-3-AFH – Chapter 5
FAA-H-8083-25-PHAK – Chapter 5
Review Learn to Fly Course as Needed

STAGE I
LESSON 12
DUAL – GROUND
WEATHER REPORTS
AND FORECASTS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (2.0) _____ LMS CREDIT (MAX 1.4) _____

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. Also, during this lesson, the student will be introduced to radar reports, severe weather reports and forecasts, NOTAMs, AIRMETs, and SIGMETs.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Standard/ Abbreviated / Outlook Briefings	C		METARs	C
	Obtaining a Weather Briefing (FSS/ Online)	C		AWOS/ ASOS Reports	C
	NOTAMs	C		Pilot Reports	C
	SIGMETs / Convective SIGMETs	C		Radar Wx Reports	C
	Severe Wx Reports and Forecasts	C		Wind Shear Reports, Recognition, and Avoidance	C
	AIRMETs	C		Graphic Forecasts for Aviation	C
	Surface Analysis Charts	C		Winds and Temperatures Aloft	C
	Low-Level Prognostic Charts	C		TAFs	C

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.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapter 13
FAA-H-8083-28-AWH - Chapters 3, 24 - 28
AIM - Chapter 7
Vol 3: Segments 11-13, 18, 22,23
Vol 4: Segments 5, 17,18, 25
Vol 5: Segments 15, 20, 22

STAGE I
LESSON 13
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____ LMS CREDIT (MAX 0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	3		Wind Effect on Ground Track	5
	Passenger Briefing	3		Rectangular Course	5
	Flight Deck Management	3		S-Turns (across a Road)	5
	Engine Starting	4		Turns around a Point	5
	Taxiing/ Brake Check	4			
	Before Takeoff Check	4			
	Normal Takeoff and Climb	4			
	Runway Incursion Avoidance	4			
	Traffic Pattern Operations	4			
	Practice Area Operations	4			
	Normal Approach and Landing	4			
	After Landing, Parking, and Securing	4			

COMPLETION STANDARDS

The student will perform aircraft functions and maneuvers without assistance from the instructor.

- The student will be able to fly specific ground tracks while maintaining airspeed ±10 knots and altitude of ±150 feet.
- Airspeed will be maintained at VY +20, -10 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +15, -5 knots and the touchdown within 750 feet beyond or on the specified point of landing.

ADDITIONAL STUDY

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

STAGE I
LESSON 14
DUAL – GROUND
WEATHER DECISION-MAKING AND BRIEF EXERCISE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.0) _____

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

LESSON OBJECTIVE

The student will also be introduced to proper decision making relative to obtaining and analyzing weather data. The student will also undergo a Weather Brief Exercise, obtaining a full weather brief for a local flight.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Weather Related Aeronautical Decision Making & Judgement	C		Weather Brief Exercise	C

COMPLETION STANDARDS

At the completion of this lesson, the student will be able to make an appropriate decision regarding a flight based upon the relevant weather data.

ADDITIONAL STUDY

AC 91-92 – Pilot's Guide to a Preflight Briefing
FAA-H-8083-25-PHAK - Chapter 13
FAA-H-8083-28-AWH - Review Chapters as Needed
AIM - Chapter 7
Review Learn to Fly Course as Needed

STAGE I
LESSON 15
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	3		Rectangular Course	5
	Passenger Briefing	3		S-Turns (across a Road)	5
	Flight Deck Management	3		Turns around a Point	5
	Engine Starting	3		Maneuvering during Slow Flight	4
	Taxiing/ Brake Check	3		Power-On Stalls (Full)	5
	Before Takeoff Check	3		Power-Off Stalls (Full	5
	Normal Takeoff and Climb	4		Steep Turns	5
	Runway Incursion Avoidance	4			
	Traffic Pattern Operations	4			
	Practice Area Operations	4			
	Normal Approach and Landing	4			
	After Landing, Parking, and Securing	4			

COMPLETION STANDARDS

The student will be able to perform aircraft functions and maneuvers without instructor assistance.

- The student will be able to fly specific ground tracks while maintaining airspeed ±10 knots and altitude ±150 feet.
- 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 a stall warning (e.g., aircraft buffet, stall horn, etc.) and will be maintained +20, -0 knots. Headings will be maintained ±10° and altitude will be maintained ±150 feet.
- Stalls will be performed in both straight and level and turning flight with recovery airspeed maintained at VY +10, -5kts. Straight stalls will maintain heading ±15°.
- Steep turns will be performed at 45° of bank ±5°, while maintaining altitude ±200 feet and with the roll out on the assigned heading ±15°.
- Airspeed will be maintained at VY +15, -10 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 750 feet beyond or on the specified point of landing.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 7 & 8
FAA-H-8083-25-PHAK - Chapter 14
Review Learn to Fly Course as Needed

STAGE I
LESSON 16
DUAL – GROUND EMERGENCIES

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.1) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to emergency procedures.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Emergency Procedures (AFM/POH)	C		Memory Items	C
	Emergency Checklists	C			

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

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapter 18
AFM/POH
FAR
AIM - Chapter 6
Vol 3: Segments 5-6

STAGE I
LESSON 17
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to rejected takeoffs, go-around procedures and in-flight emergencies.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	3		Wake Turbulence Avoidance	5
	Passenger Briefing	3		Systems and Equipment Malfunctions	5
	Flight Deck Management	3		Rejected Takeoffs	5
	Engine Starting	3		Go-Around/ Rejected Landing	5
	Taxiing/ Brake Check	3		Emergency Approach and Landing	5
	Before Takeoff Check	3			
	Normal Takeoff and Climb	3			
	Runway Incursion Avoidance	3			
	Traffic Pattern Operations	4			
	Normal Approach and Landing	4			
	After Landing, Parking, and Securing	4			

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 VY +15, -5 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 750 feet beyond or on the specified point of landing.
- As required during simulated emergencies, VGLIDE will be maintained +10, -5.
- Go-around recoveries will be maintained at VY +15, -5.

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapters 1, 6, 9, & 18
FAA-H-8083-25-PHAK - Chapters 2, 5, & 14
AIM - Chapter 7
Review Learn to Fly Course as Needed

STAGE I
LESSON 18
DUAL – GROUND
FAR/AIM
NTSB 830
ACS
LOGBOOKS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 1.2) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to single-pilot resource management, proper decision-making, FARs, NTSB 830, the use of the AIM, pilot and aircraft logbooks, and other publications.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	14 CFR Part 1	C		Airman Certification Standards	C
	14 CFR Part 61	C		FAA Advisory Circulars	C
	14 CFR Part 67	C		Single-Pilot Resource Management	C
	14 CFR Part 91	C		Aeronautical Decision Making and Judgment	C
	14 CFR Part 141	C		Risk Management	C
	NTSB 830	C		Task Management	C
	AIM	C		Situational Awareness	C
	Pilot Logbooks / Aircraft Logbooks	C		Controlled Flight into Terrain Awareness	C
				Automation Management	C

COMPLETION STANDARDS
At the completion of this lesson, the student will have a knowledge of single-pilot resource management, proper decision making, FARs applicable to student and private pilots in a 61 or 141 program, NTSB 830, the use of the AIM, pilot and aircraft logbooks, and other publications.

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapters 2 & 5
FAA-H-8083-25-PHAK - Chapter 2
FAR
AIM - Introduction & Table of Contents
Private Pilot ACS
Vol 3: Segment 26
Vol 5: Segment 10, 11, 16
Vol 6: Segment 1, 9, 11

STAGE I
LESSON 19
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Aeronautical Decision Making and Judgment	5
	Passenger Briefing	3		Crosswind Takeoff and Climb	5
	Flight Deck Management	3		Crosswind Approach and Landing (Crab Method)	5
	Engine Starting	3		Crosswind Approach and Landing (Side Slip Method)	5
	Taxiing/ Brake Check	3		Side Slip	5
	Before Takeoff Check	3		Forward Slip	5
	Normal Takeoff and Climb	3		Forward Slip to a Landing	5
	Rejected Takeoffs	5		No Flap Landing	5
	Go-Around / Rejected Landing	5			
	Traffic Pattern Operations	4			
	Wind Effect on Ground Track	4			
	Normal Approach and Landing	4			
	After Landing, Parking, and Securing	3			

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 VY +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 within 750 feet beyond or on the specified point of landing.
- The student will be able to fly specific ground tracks while maintaining airspeed ±10 knots and altitude ±150 feet.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 6, 8, & 9
FAA-H-8083-25-PHAK - Chapter 2
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE I
LESSON 20
DUAL – GROUND
AIRCRAFT SYSTEMS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.5) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to airframe construction, airframe systems, and aircraft systems associated with the engine.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Airframe Construction (Components)	C		Primary Flight Controls and Trim Systems	C
	Powerplant	C		Leading Edge Devices and Spoilers	C
	Oil System	C		Wing Flap System	C
	Fuel System	C		De-icing and Anti-icing Systems	C
	Carburetor Heat / Air Induction System	C			

COMPLETION STANDARDS
At the completion of this lesson, the student will have knowledge of airframe construction, airframe systems, and aircraft systems associated with the engine.

ADDITIONAL STUDY
FAA-H-8083-25-PHAK - Chapters 3, 6 & 7
AFM/POH
Vol 1: Segments 8-11
Vol 2: Segments 3, 4

STAGE I
LESSON 21
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____

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

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Maneuvering during Slow Flight	4
	Passenger Briefing	3		Power-Off Stalls (Full)	4
	Flight Deck Management	3		Power-On Stalls (Full)	4
	Engine Starting	3		Traffic Pattern Operations	3
	Taxiing/ Brake Check	3		Normal Approach and Landing	4
	Before Takeoff Check	3		After Landing, Parking, and Securing	3
	Normal Takeoff and Climb	3			

COMPLETION STANDARDS
The student will be able to perform slow flight, stalls, stall recoveries, and crosswind takeoffs and landings without 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 a stall warning, and will be maintained +15, -0 knots.
- Stalls will be performed in both straight and level and turning flight.
- Airspeed will be maintained at VY +15, -5 knots during the climb after a normal takeoff.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 750 feet beyond or on the specified point of landing.

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapters 5, 6, & 9
FAA-H-8083-25-PHAK - Chapters 5 & 14
AIM - Chapter 4
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE I
LESSON 22
DUAL – GROUND
AIRCRAFT SYSTEMS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to other systems of the aircraft to include electrical, ignition, propeller, hydraulic, landing gear, and environmental systems.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Electrical System	C		Hydraulic System	C
	Ignition System	C		Landing Gear System	C
	Propeller	C		Environmental System	C

COMPLETION STANDARDS
At the completion of this lesson, the student will have a knowledge of electrical, ignition, propeller, hydraulic, landing gear, and environmental systems.

ADDITIONAL STUDY
FAA-H-8083-25-PHAK – Chapter 7
AFM/POH
Review Learn to Fly Course as Needed

STAGE I
LESSON 23
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Practice Area Operations	4
	Flight Deck Management	3		Crosswind Approach and Landing	5
	Engine Starting	3		Forward Slip to Landing	5
	Taxiing/ Brake Check	3		No Flap Landing	5
	Before Takeoff Check	3		Go-Around/Rejected Landing	5
	Runway Incursion Avoidance	3		Normal Approach and Landing	4
	Normal/ Crosswind Takeoff and Climb	3		After Landing, Parking, and Securing	3
	Traffic Pattern Operations	3			

COMPLETION STANDARDS
All pilot operations will be performed without instructor assistance.

- Airspeed will be maintained at VY +10, -5 knots during the climb after a normal takeoff or go-around.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 500 feet beyond or on the specified point of landing.

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapters 2, 6, 8, & 9
FAA-H-8083-25-PHAK - Chapter 14
AIM - Chapter 4
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE I
LESSON 24
DUAL – GROUND
AIRCRAFT SYSTEMS
AND MAINTENANCE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.5) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Vacuum System	C		Maintenance Requirements	C
	Gyroscopic Instruments	C		VFR Required Equipment	C
	Pitot-Static System	C		Aircraft Equipment List	C
	Pitot-Static Instruments	C		Minimum Equipment List	C
	Electric Instruments	C		Inoperative Equipment	C
	Avionics Systems	C		Service Bulletins/ Airworthiness Directives	C
	Magnetic Compass and Associated Errors	C			

COMPLETION STANDARDS

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

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapters 8 & 9
AFM/POH
Vol 3: Segments 9, 14
Vol 4: Segment 14

STAGE I
LESSON 25
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.5) _____

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

LESSON OBJECTIVE

Prior to this flight, the instructor will administer and grade a pre-solo written exam**. After 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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Dispatch Procedures	2		Straight and Level Flight	3
	Preflight Inspection	2		Turns to Headings	3
	Flight Deck Management	2		Constant Airspeed Climbs	3
	Engine Starting	3		Constant Airspeed Descents	3
	Taxiing/ Brake Check	3		Steep Turns	4
	Before Takeoff Check	3		Systems and Equipment Malfunctions	3
	Radio Communications	3		Power-Off Stalls (Full)	3
	Runway Incursion Avoidance	3		Power-On Stalls (Full)	3
	Normal/ Crosswind Takeoff and Climb	3		Aeronautical Decision Making and Judgment	3
	Traffic Pattern Operations	3		Practice Area Operations	3
	Side Slip to a Landing	3		No Flap Landing	3
	Forward Slip to a Landing	3		Go-Around/Rejected Landing	3
	Emergency Approach and Landing	3		Normal/ Crosswind Approach and Landing	3
	Maneuvering during Slow Flight	3		After Landing, Parking, and Securing	3

COMPLETION STANDARDS

This lesson is complete when the student satisfactorily completes a pre-solo 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 ±15°, 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 a stall warning, 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 ±5°, while maintaining altitude ±150 feet and with the roll out on the assigned heading ±10°.
- Airspeed will be maintained at VY +10, -5 knots during the climb after takeoff.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 500 feet beyond or on the specified point of landing.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 2, 5, 6, & 9
FAA-H-8083-25-PHAK - Chapters 2, 5, & 14
AIM - Chapter 4

Vol 1: Review Segments as Needed
Vol 2: Review Segments as Needed
Vol 3: Segments 26-28; Review Segments as Needed

STAGE I
LESSON 26
DUAL – GROUND
AIRSPACE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.7) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Controlled Airspace	C		Uncontrolled Airspace	C
	Class A	C		Class G	C
	Class B	C		Special Use Airspace	C
	Class C	C		Other Airspace	C
	Class D	C		Cloud Clarance and Visibility Requirements	C
	Class E	C			

COMPLETION STANDARDS

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

ADDITIONAL STUDY

FAA-H-8083-25-PHAK – Chapter 15
FAR
AIM - Chapter 3
Vol 4: Segments 22, 23
Vol 6: Segment 3

PRE-STAGE CHECK – TIME SUMMARY

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

DATE _____

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

STAGE TOTALS

FLIGHT TIME (DUAL): _____

FLIGHT TIME (SOLO): _____

FLIGHT TIME (DUAL CROSS-COUNTRY): _____

FLIGHT TIME (SOLO CROSS-COUNTRY): _____

FLIGHT TIME (NIGHT): _____

INSTRUMENT: _____ (In flight only.)

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

STAGE I
LESSON 27
STAGE I CHECK

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task - Oral			**Lesson Task - Flight**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Pilot Qualifications (Student Certificate)	4		Dispatch Procedures	2
	Airworthiness Requirements	4		Preflight Inspection	2
	Weather Information	4		Engine Starting	3
	Performance and Limitations	4		Taxiing/ Brake Check	3
	Operation of Systems	4		Radio Communications	3
				Use of Checklists	3
				Before Takeoff Check	3
				Normal/ Crosswind Takeoff and Climb	3
				Traffic Pattern Operations	3
				Practice Area operations	3
				Collision avoidance Precautions	3
				Maneuvering during Slow Flight	3
				Power-Off Stalls (Full)	3
				Power-On Stalls (Full)	3
				Systems and Equipment Malfunctions	3
				Emergency Approach and Landing	3
				Normal/ Crosswind Approach and Landing	3
				Go-Around/ Rejected Landing	3
				Aeronautical Decision Making and Judgment	3
				After Landing Checks	3
				Parking, Securing, and Proper Tie Down	3
				Recovery/ Postflight Procedures	3

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 ±15°, 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 a stall warning, and will be maintained +15, -0 knots.
- Stalls will be performed in both straight and level and turning flight.
- Airspeed will be maintained at VY +10, -5 knots during the climb after takeoff or a go-around.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 500 feet beyond or on the specified point of landing.

STAGE I
LESSON 28
DUAL – GROUND
CHARTS AND
PUBLICATIONS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.4) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to VFR sectional charts and the Chart Supplements.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	VFR Sectional Charts	C		Chart Supplements	C
	Aeronautical Chart User Guide	C		Planning for Alternatives	C

COMPLETION STANDARDS
At the completion of this lesson, the student will have a knowledge of VFR sectional charts, the Chart Supplements, and planning for alternatives if the planned flight cannot be completed or delays are encountered. The student's understanding of the charts and supplements will include obtaining information on runway lengths at airports of intended use and data on takeoff and landing distances.

ADDITIONAL STUDY
VFR Sectional
Chart Supplements
Vol 4: Segments 3, 4, 6

STAGE I
LESSON 29
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Normal/ Crosswind Takeoff and Climb	3
	Flight Deck Management	2		Traffic Pattern Operations	3
	Engine Starting	3		Aeronautical Decision Making and Judgment	3
	Taxiing/ Brake Check	3		Go-Around/Rejected Landing	3
	Before Takeoff Check	3		Normal/ Crosswind Approach and Landing	3
	Radio Communications	3		After Landing Checks	3
	Runway Incursion Avoidance	3		Parking, Securing, and Proper Tie Down	3

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 VY +10, -5 knots during the climb after takeoff or a go-around.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 500 feet beyond or on the specified point of landing.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 2, 5, 6, & 9
FAA-H-8083-25-PHAK - Chapters 2, 5, & 14
AIM - Chapter 4
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE I
LESSON 30
DUAL – GROUND
AEROMEDICAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.1) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to aeromedical and human factors.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	14 CFR Part 67	C		Hypoxia	C
	14 CFR Part 68 (Basic Med)	C		Carbon Monoxide Poisoning	C
	The Inner Ear	C		Hyperventilation	C
	Middle Ear and Sinus Problems	C		Alcohol and Drugs	C
	Spatial Disorientation	C		Stress and Fatigue	C
	The Eye	C		Dehydration	C
	Visual Illusions/ Landing Illusions	C			

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

ADDITIONAL STUDY
FAA-H-8083-25-PHAK - Chapter 17
FAR
AIM - Chapter 8
Vol 3: Segment27
Vol 6: Segment 4

STAGE I
LESSON 31
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Systems and Equipment Malfunctions	3
	Flight Deck Management	2		Aeronautical Decision Making and Judgment	3
	Engine Starting	3		Go-Around/Rejected Landing	3
	Taxiing/ Brake Check	3		Emergency Approach and Landing	3
	Before Takeoff Check	2		Normal/ Crosswind Approach and Landing	3
	Radio Communications	3		After Landing Checks	2
	Runway Incursion Avoidance	3		Parking, Securing, and Proper Tie Down	2
	Normal/ Crosswind Takeoff and Climb	3			
	Traffic Pattern Operations	3			

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 VY +10, -5 knots during the climb after takeoff or a go-around.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 500 feet beyond or on the specified point of landing.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 2, 6, 8, 9, & 18
FAA-H-8083-25-PHAK - Chapters 2 & 14
AIM - Chapters 4 & 6
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE I
LESSON 32
DUAL AND SOLO - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME DUAL (1.0) _____ SOLO (0.6) _____

GROUND (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 Task (DUAL)			**Lesson Task (SOLO)**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Engine Starting	C
	Flight Deck Management	2		Taxiing/ Brake Check	C
	Engine Starting	3		Before Takeoff Check	C
	Taxiing/ Brake Check	3		Radio Communications	C
	Before Takeoff Check	2		Runway Incursion Avoidance	C
	Radio Communications	3		Normal/ Crosswind Takeoff and Climb	C
	Runway Incursion Avoidance	3		Traffic Pattern Operations	C
	Normal/ Crosswind Takeoff and Climb	3		Normal/ Crosswind Approach and Landing	C
	Traffic Pattern Operations	3		After Landing Checks	C
	Aeronautical Decision Making and Judgment	3		Parking, Securing, and Proper Tie Down	C
	Normal/ Crosswind Approach and Landing	3			
	After Landing Checks	2			

COMPLETION STANDARDS

This lesson and Stage I are complete when the student completes 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.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 2, 6, 8, 9, & 18
FAA-H-8083-25-PHAK - Chapters 2 & 14
AIM - Chapters 4 & 6
Private Pilot ACS

STAGE II

STAGE OBJECTIVES

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

STAGE COMPLETION STANDARDS

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

STAGE II
LESSON 33
DUAL – GROUND
PRINCIPLES OF NAVIGATION

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.1) _____

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

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Effect of Wind in One Hour	C		Earth's Magnetism	C
	Wind Drift and Drift Correction	C		Variation – Isogonic and Agonic Lines	C
	Various Types of Aircraft Speeds	C		Magnetic Compass	C
	Latitude and Longitude	C		Magnetic Compass Errors	C

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

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapter 7
FAA-H-8083-25-PHAK - Chapter 16
Vol 5: Segment 3

STAGE II
LESSON 34
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____ LMS CREDIT (MAX 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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Passenger Briefing	3		Short-Field Takeoff and Maximum Performance Climb	5
	Engine Starting	3		Soft-Field Takeoff and Climb	5
	Taxiing/ Brake Check	2		Short-Field Approach and Landing	5
	Before Takeoff Check	2		Soft-Field Approach and Landing	5
	Radio Communications	3			
	Runway Incursion Avoidance	3			
	Single-Pilot Resource Management	4			
	Normal/ Crosswind Takeoff and Climb	3			
	Normal / Crosswind Approach and Landing	3			
	After Landing Checks	2			
	Parking, Securing, and Proper Tie Down	2			

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 VY +10, -5 knots during the climb after a normal or crosswind takeoff.
- Recommended approach airspeed will be maintained +10, -5 knots and the touchdown within 400 feet beyond or on the specified point of landing for normal or crosswind landings.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 6 & 9
FAA-H-8083-25-PHAK - Chapter 11
Private Pilot ACS
Vol 5: Segment 9

STAGE II
LESSON 35
DUAL – GROUND
PUBLICATIONS AND EQUIPMENT

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.7) _____

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.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Aircraft Equipment List	C		VFR Terminal Area Chart	C
	Minimum Equipment List	C		Plotter	C
	VFR Sectional Chart	C		Flight Computer	C
	Chart Supplements	C		VFR Use of and Electronic Flight Bag (EFB)*	C
	Flight Deck Management	C		Supplemental Oxygen	C

*EFB should be covered if the student plans to use an EFB during flight training.

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of aeronautical publications, and cross-country flight planning equipment.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapters 2, 7, 9, 14, & 16
VFR Sectional Chart
VFR Terminal Area Chart
FAR
AIM - Chapter 9
Chart Supplements
Vol 4: Segments 7, 8, 10, 19, 24

STAGE II
LESSON 36
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Passenger Briefing	3		Short-Field Takeoff and Maximum Performance Climb	5
	Engine Starting	3		Soft-Field Takeoff and Climb	5
	Taxiing/ Brake Check	2		Short-Field Approach and Landing	5
	Before Takeoff Check	2		Soft-Field Approach and Landing	5
	Radio Communications	3			
	Maneuvering during Slow Flight	3			
	Power-Off Stalls (Full)	3			
	Power-On Stalls (Full)	3			
	Forward Slip to a Landing	3			
	Normal/ Crosswind Takeoff and Climb	3			
	Normal / Crosswind Approach and Landing	3			
	After Landing Checks	2			
	Parking, Securing, and Proper Tie Down	2			

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 a stall warning, and will be maintained +10, -0 knots.
- During short and soft-field takeoffs, airspeed should be maintained at VX +10, -5 knots until obstacles are cleared, and VY +10, -5 knots after that.
- All approaches will be stabilized and desired airspeed will be maintained +10, -5 knots for all landings. Touchdown within 400 feet beyond or on the specified point of landing for short-field landings.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 5, 6, & 9
FAA-H-8083-25-PHAK - Chapter 11
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE II
LESSON 37
DUAL – GROUND
CROSS-COUNTRY
FLIGHT PLANNING

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.1) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Applicable FARs	C		Calculating Various Airspeeds	C
	Measuring True Course and Distance	C		Performance Calculations	C
	Picking Checkpoints	C		The Wind Triangle	C
	Picking Altitudes	C		Using the Electronic/ Manual E6B Flight Computer	C
	Airplane Flight Manual/ Pilots Operating Handbook (AFM/POH)	C			

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of cross-country flight planning and cross-country performance calculations, to include data on takeoff and landing distances and fuel requirements. The student will have knowledge of creating a flight via pilotage.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapters 9 & 16
FAR
AIM - Chapters 1 & 9
Vol 4: Segment 20
Vol 5: Segment 5

STAGE II
LESSON 38
SOLO - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME SOLO (1.0) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task (Solo)			**Lesson Task (Solo)**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	C		Turns Around a Point	C
	Engine Starting	C		Steep Turns	C
	Taxiing/ Brake Check	C		Forward Slip to a Landing	C
	Before Takeoff Check	C		Short-Field Takeoff and Maximum Performance Climb	C
	Radio Communications	C		Soft-Field Takeoff and Climb	C
	Maneuvering during Slow Flight	C		Short-Field Approach and Landing	C
	Power-Off Stalls (Full)	C		Soft-Field Approach and Landing	C
	Power-On Stalls (Full)	C		After Landing Checks	C
	Forward Slip to a Landing	C		Parking, Securing, and Proper Tie Down	C
	Normal/ Crosswind Takeoff and Climb	C			
	Normal / Crosswind Approach and Landing	C			
	Rectangular Course	C			
	S-Turns	C			

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.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 5-7 & 9
FAA-H-8083-25-PHAK - Chapter 5
Private Pilot ACS
Review Learn to Fly Course as Needed

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

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.1) _____

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

LESSON OBJECTIVE

During this lesson, the student will plan a cross-country flight via pilotage. The student will plan a full flight to an airport more than 25 nautical miles, but less than 50 nautical miles from the airport at which the instruction is given.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Applicable FARs	C		Airplane Flight Manual/ Pilots Operating Handbook (AFM/POH)	C
	Measuring True Course and Distance	C		Calculating Various Airspeeds	C
	Picking Checkpoints	C		Performance Calculations	C
	Picking Altitudes	C		Pilotage Exercise	C
	Using the Electronic/ Manual E6B Flight Computer	C			

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of cross-country flight planning and cross-country performance calculations, to include data on takeoff and landing distances and fuel requirements. The student will have knowledge of creating a flight via pilotage.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapter 16
FAR
AIM - Chapter 1
Vol 4: Segment 9

STAGE II
LESSON 40
DUAL - PILOTAGE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.5) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Passenger Briefing	3		VFR Navigation Charts during Flight	5
	Taxiing/ Brake Check	2		Flight Publications	5
	Before Takeoff Check	2		Flight Service	5
	Normal/ Crosswind Takeoff and Climb	3		Route Selection	5
	Traffic Pattern Operations	3		Pilotage	5
	Normal / Crosswind Approach and Landing	3		Use of Magnetic Compass	5
	Aeronautical Decision Making and Judgment	3		Unfamiliar Airport Operation	5
	Single-Pilot Resource Management	3		Critical Weather Recognition	5
	Runway Incursion Avoidance	3		Estimates of Heading and Fuel Consumption	5
	Radio Communications at Non-Towered Airports	3		Pilotage Wx Briefing	5
	After Landing Checks	2			
	Parking, Securing, and Proper Tie Down	2			

COMPLETION STANDARDS

- The student will be able to identify selected landmarks, at all times verify position within 5 nautical miles, maintain heading ±15°, 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.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 6, 8, & 9
FAA-H-8083-25-PHAK - Chapters 2, 14, & 16
AIM - Chapters 1, 2, 4, & 9
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE II
LESSON 41
DUAL – GROUND
CROSS-COUNTRY
FLIGHT PLANNING

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.3) _____

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 Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Diversion Procedures	C		Lost Procedures	C
	Alternate Planning	C			

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of additional concepts associated with cross-country flight planning. They will have an understanding on how to complete a diversion while in the air.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapter 16
FAR
AIM - Chapters 1, 6, & 9
Vol 4: Segment 1
Vol 5: Segment 21
Vol 6: Segment 2

STAGE II
LESSON 42
DUAL - PILOTAGE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.8) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Passenger Briefing	3		Emergency Descent	5
	Taxiing/ Brake Check	2		Planning for Alternatives	5
	Before Takeoff Check	2		Diversion to an Alternate Airport	5
	Normal/ Crosswind Takeoff and Climb	3		Lost Procedures	5
	Traffic Pattern Operations	3			
	Normal / Crosswind Approach and Landing	3			
	Aeronautical Decision Making and Judgment	3			
	Single-Pilot Resource Management	3			
	Runway Incursion Avoidance	3			
	Radio Communications at Non-Towered Airports	4			
	Estimates of Heading and Fuel Consumption	4			
	Critical Weather Recognition	4			
	Unfamiliar Airport Operations	4			
	Route Selection	4			
	Pilotage	4			
	VFR Navigation Charts and Publications	4			
	After Landing Checks	2			
	Parking, Securing, and Proper Tie Down	2			

COMPLETION STANDARDS

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

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 6, 8, & 9
FAA-H-8083-25-PHAK - Chapters 2, 14, & 16
AIM - Chapters 1, 2, 4, & 9
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE II
LESSON 43
DUAL – GROUND
AIRSPACE AND
COMMUNICATIONS

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.5) _____

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

LESSON OBJECTIVE
During this lesson, a review of airspace and communication requirements will be conducted.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Class A	C		Runway and Taxiway Signs at Tower Controlled Fields	C
	Class B	C		Runway and Taxiway Markings at Tower Controlled Fields	C
	Class C	C		Runway and Taxiway Lighting at Tower Controlled Fields	C
	Class D	C		Runway Incursion Avoidance at Tower Controlled Fields	C
	Class E	C		Hold Short, Line Up and Wait, and Runway Crossing Instructions and Readback	C
	Class G	C		ATC Light Gun Signals	C
	TRSA Communications	C			
	FSS Communications	C			
	Approach Control	C			
	Departure Control	C			
	Clearance Delivery	C			
	Tower Communications	C			
	Ground Control	C			

COMPLETION STANDARDS
At the completion of this lesson, the student will be familiar with various classes of airspace and their associated communication requirements.

ADDITIONAL STUDY
AC 91-73 - Parts 91 and 135 Single Pilot, Flight School Procedures During Taxi Operations
FAA-H-8083-3-AFH - Chapter 2
FAA-H-8083-25-PHAK - Chapters 14-16
FAR
AIM - Chapters 1-5 & 9
Vol 1: Segment 20
Vol 4: Segment 21
Vol 5: Segments 1, 2
Vol 6: Segments 5, 15

STAGE II
LESSON 44
SOLO - PILOTAGE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME SOLO (1.5) _____

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 Task (Solo)			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Normal/ Crosswind Takeoff and Climb	C		Lost Procedures	C
	Normal/ Crosswind Approach and Landing	C		Radio Communications	C
	Short-Field Takeoff and Maximum Performance Climb	C		Traffic Pattern Operations	C
	Short-Field Approach and Landing	C			
	Soft-Field Takeoff and Climb	C			
	Soft-Field Approach and Landing	C			

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.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 6 & 9
FAA-H-8083-25-PHAK - Chapters 11 & 14
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE II
LESSON 45
DUAL – GROUND
ELECTRONIC AIDS TO NAVIGATION

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.5) _____

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

LESSON OBJECTIVE
During this lesson, the student will be introduced to electronic aids to navigation and automation.

CONTENT

Lesson Task			**Lesson Task (if equipped)**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	VOR Tuning and Identifying	C		Autopilot Principles of Operation	C
	VOR Intercepting and Tracking	C		Autopilot Errors, Irregularities, and Failure Modes	C
	GPS Modes of Operation	C		Autopilot Disconnect Options	C
	GPS Waypoints	C		Autopilot Limitations	C
	GPS Direct-To Operations	C		Installed Autopilot Specific Procedures	C
	GPS Flight Plan Operations	C		ADF/ NDB Tuning and Identifying	C
	GPS Nearest Functions	C		ADF / NDB Homing	C
				ADF/ NDB Intercepting and Tracking	C
				ADF/ NDB Errors	C

COMPLETION STANDARDS
At the completion of this lesson, the student will have a knowledge of VOR tuning, identifying, & tracking. The student will also be aware of the basics of GPS use. If the training aircraft is equipped with an autopilot, the student should have a knowledge of its basic operation and limitations along with the ways to disconnect the autopilot. If the training aircraft is equipped with an ADF, the student should have a knowledge of NDB tuning, intercepting, & tracking along with potential NDB errors.

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapters 6, 9, & 18
FAA-H-8083-25-PHAK - Chapter 16
AIM - Chapters 1 & 6
Private Pilot ACS
Vol 4: Segment 12,13

STAGE II
LESSON 46
DUAL - LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.0) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Normal/ Crosswind Takeoff and Climb	2		Pilotage	2
	Normal/ Crosswind Approach and Landing	2		Diversion	2
	Short-Field Takeoff and Maximum Performance Climb	2		Lost Procedure	2
	Short-Field Approach and Landing	2		System and Equipment Malfunctions	2
	Soft-Field Takeoff and Climb	2		Emergency Approach and Landing	2
	Soft-Field Approach and Landing	2		Emergency Descent	2
	Radio Communications	2			

COMPLETION STANDARDS

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

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 9 & 18
FAA-H-8083-25-PHAK - Chapters 14 & 16
Private Pilot ACS
Review Learn to Fly Course as Needed

PRE-STAGE CHECK – TIME SUMMARY

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

DATE _____

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

STAGE TOTALS

FLIGHT TIME (DUAL): _____

FLIGHT TIME (SOLO): _____

FLIGHT TIME (DUAL CROSS-COUNTRY): _____

FLIGHT TIME (SOLO CROSS-COUNTRY): _____

FLIGHT TIME (NIGHT): _____

INSTRUMENT: _____ (In flight only.)

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

COURSE TOTALS

FLIGHT TIME (DUAL): _____

FLIGHT TIME (SOLO): _____

FLIGHT TIME (DUAL CROSS-COUNTRY): _____

FLIGHT TIME (SOLO CROSS-COUNTRY): _____

FLIGHT TIME (NIGHT): _____

INSTRUMENT: _____ (In flight only.)

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

STAGE II
LESSON 47
STAGE II CHECK

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ GROUND (1.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task - Oral			**Lesson Task - Flight**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Pilot Qualifications	2		Preflight Inspection	2
	Airworthiness Requirements	2		Flight Deck Management	2
	Weather Information	2		Engine Starting	2
	National Airspace System	2		Taxiing/ Brake Check	2
	Performance and Limitations	2		Before Takeoff Check	2
	Operation of Systems	2		Radio Communications	2
	Human Factors	2		Traffic Pattern Operations	2
	Airport, Runway, and Taxiway Signs, Markings, and Lighting	2		Airport, Runway, and Taxiway Signs, Markings, and Lighting	2
				Normal / Crosswind Takeoff and Climb	2
				Normal Approach and Landing	2
				Soft-Field Takeoff and Climb	2
				Soft-Field Approach and Landing	2
				Short-Field Takeoff and Maximum Performance Climb	2
				Short-Field Approach and Landing	2
				Forward Slip to a Landing	2
				Go-Around / Rejected Landing	2
				Pilotage	2
				Diversion	2
				Lost Procedure	2
				Emergency Descents	2
				Emergency Approach and Landing (Simulated)	2
				Emergency Equipment and Survival Gear	2
				Aeronautical Decision Making and Judgment	2
				After Landing Checks	2
				Parking, Securing, and Proper Tie Down	2

COMPLETION STANDARDS

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

STAGE III

STAGE OBJECTIVES

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

STAGE COMPLETION STANDARDS

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

STAGE III
LESSON 48
DUAL – GROUND
INSTRUMENT FLYING

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.5) _____

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

LESSON OBJECTIVE

During this lesson, the student will be introduced to basic attitude instrument flying and recovery from unusual flight attitudes. Emergency use of an autopilot will also be covered.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Basic Attitude Instrument Flight	C		Full Panel Instrument Flying	C
	Instrument Scan and Crosscheck	C		Partial Panel Instrument Flying	C
	Unusual Flight Attitude (Nose High) Recovery	C		Emergency Autopilot Use during an Inadvertent Encounter with Instrument Conditions	C
	Unusual Flight Attitude (Nose Low) Recovery	C			

COMPLETION STANDARDS

At the completion of this lesson, the student will have a knowledge of basic attitude instrument flying and the theory behind unusual attitude recoveries. The student will understand how an autopilot can be useful during an emergency after encountering inadvertent instrument conditions.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 3 & 5
FAA-H-8083-25-PHAK - Chapters 6 & 8
AIM - Chapters 1 & 6
Vol 5: Segments 17- 19

STAGE III
LESSON 49
DUAL – GROUND
CROSS-COUNTRY
FLIGHT PLANNING
EXERCISE

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.7) _____

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

LESSON OBJECTIVE

During this lesson, the student will complete a cross-country flight planning exercise. It will be completed via dead reckoning in both paper and EFB formats (if applicable).

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Cross-Country Planning Exercise	C		Dead Reckoning	C

COMPLETION STANDARDS

At the completion of this lesson, the student will have knowledge of cross-country flight planning via dead reckoning. They will have knowledge of completing this via paper and EFB formats (if applicable).

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapter 18
FAA-H-8083-25-PHAK - Chapters 2 & 9-17
Chart Supplements
VFR Sectional
VFR Terminal Area Chart
FAR
AIM - Chapters 1-9
Review Learn to Fly Course as Needed

STAGE III
LESSON 50
DUAL – CROSS-COUNTRY DAY

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.5) _____ HOOD (0.5) _____ GROUND (0.2) _____

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

LESSON OBJECTIVE

During this lesson, the instructor will introduce the student to dead-reckoning during a day cross-country and complete some basic instrument flight maneuvers (BAI). If the aircraft is equipped, the student will also be introduced to VOR navigation and autopilot operations.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Dead Reckoning	5		BAI - Straight and Level	5
	VOR Navigation (if equipped)	5		BAI - Turns to Headings in Level Flight	5
	Autopilot Operations (if equipped)	5		BAI - Constant Airspeed Climbs and Descents	5
				BAI - Recovery from Unusual Flight Attitudes	5

COMPLETION STANDARDS

At the completion of this lesson, the student will have a basic knowledge of dead reckoning procedures and basic attitude instrument flight maneuvers. If the aircraft is equipped, the student will have knowledge of VOR navigation and autopilot operations, and autopilot disconnect procedures

- The student will be able to verify position within 3 nautical miles, maintain or roll out on the selected heading ±15°, and maintain or level off at the selected appropriate altitude ±200 feet.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 3 & 5
FAA-H-8083-25-PHAK - Chapters 6 & 8
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE III
LESSON 51
DUAL – CROSS-COUNTRY DAY

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.5) _____HOOD (0.5)_____GROUND (0.2) _____

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

LESSON OBJECTIVE

During this lesson, the student will be introduced to GPS navigation and operations at airports with control towers while performing a day cross-country. The student will review pilotage/dead reckoning and basic instrument maneuvers. If the aircraft is equipped, the instructor will review VOR navigation, ADF/NDB homing, and autopilot operations.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Pilotage/Dead Reckoning	3		Airports with Control Towers	5
	VOR Navigation (if equipped)	4		ADF/NDB Homing (if equipped)	5
	Autopilot Operations (if equipped)	4		GPS Navigation	5
	Basic Instrument Maneuvers	4		GPS Nearest Functions	5

COMPLETION STANDARDS

At the completion of this lesson, the student will be familiar with dead reckoning procedures, operations at airports with control towers, as well as basic instrument maneuvers. The student will be able to use GPS for navigation during a cross-country. If the aircraft is equipped, the student will be able to home to an NDB, use VORs, and have a basic understanding of autopilot operations and autopilot disconnect procedures.

- The student will be able to verify position within 3 nautical miles, maintain or roll out on the selected heading ±15°, and maintain or level off at the selected appropriate altitude ±200 feet.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapter 16
AIM - Chapters 1-5
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE III
LESSON 52
SOLO – CROSS-COUNTRY DAY

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME SOLO (2.0) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task (Solo)			**Lesson Task (Solo)**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Pilotage/Dead Reckoning	C		Lost Procedures	C
	VOR Navigation (if equipped)	C		Planning for Alternates	C
	ATC Communications	C			

COMPLETION STANDARDS

The student will perform a day cross-country that is at least 150 nautical miles, consisting of 3 legs with full stop landings at a minimum of 3 points, one segment (leg) leg of the flight consisting of a straight line distance of more than 50 nautical miles. The student will have flown to a towered field and have performed 3 takeoff and landings.

ADDITIONAL STUDY

FAA-H-8083-25-PHAK - Chapter 16
AIM - Chapters 1-5
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE III
LESSON 53
DUAL – GROUND

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____ LMS CREDIT (MAX 0.3)_____

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

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Night Flying Overview	C		Aircraft Lighting	C
	Applicable FARs	C		Airport Lighting	C
	The Eye	C		Night Flight Preparations	C
	Night Vision	C		Pilot Equipment for Night Flight	C
	Night Illusions	C		Chart Use at Night	C
	Night Scanning	C		Night Emergencies	C

COMPLETION STANDARDS
At the completion of this lesson, the student will have a knowledge of basic night flying concepts.

ADDITIONAL STUDY
FAA-H-8083-3-AFH - Chapter 11
FAA-H-8083-25-PHAK - Chapter 17
FAR
AIM - Chapters 2, 4, & 7
Vol 4: Segments 1-2

STAGE III
LESSON 54
DUAL – LOCAL NIGHT

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.0) _____ HOOD_(0.5)_____GROUND (0.2) _____

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

LESSON OBJECTIVE

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

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Basic Instrument Maneuvers	3		Night Flight Operations	4
				Night Normal/Crosswind Takeoffs	4
				Night Normal/Crosswind Approach and Landing	4
				Night Go-Around/ Rejected Landing	4
				Night Emergency Procedures	4

COMPLETION STANDARDS

At the completion of this lesson, the student will have a basic knowledge of instrument flight maneuvers and night flight operations.

- The student will maintain or roll out on the selected heading ±15° and maintain or level off at the selected appropriate altitude ±200 feet.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 11 & 18
FAA-H-8083-25-PHAK - Chapter 17
FAR
AIM - Chapters 2, 4, & 7
Review Learn to Fly Course as Needed

STAGE III
LESSON 55
DUAL – CROSS-COUNTRY NIGHT

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (2.0) _____ HOOD (0.5)_____ GROUND (0.2) _____

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

LESSON OBJECTIVE

During this lesson, the student will review GPS Navigation, dead reckoning, pilotage, and basic instrument maneuvers. If the aircraft is equipped, the student will also review VOR, ADF/NDB homing, and autopilot operations. The student will also perform at least 5 takeoffs and landings to a full stop at night.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Night Flight Operations	3		GPS Navigation	3
	Night Normal/Crosswind Takeoffs	3		Pilotage/Dead Reckoning	3
	Night Normal/Crosswind Approach and Landing	3		Basic Instrument Maneuvers	3
	VOR Navigation (if equipped)	3		Night Emergency Procedures	3
	ADF/ NDB Homing (if equipped)	3		Autopilot Operations (if equipped)	3

COMPLETION STANDARDS

The student should be able to navigate using pilotage/dead reckoning on a night cross-country flight of more than 100 NM. If the aircraft is equipped, the student will review VORs, GPS, ADF/NDB homing, and autopilot operations.

- The student shall also perform at least 5 takeoffs and landings to a full stop at night.
- The student will be able to verify position within 3 nautical miles, maintain or roll out on the selected heading ±15°, and maintain or level off at the selected appropriate altitude ±200 feet.

At the end of this lesson, the student must have completed the required 3.0 hours of dual flight instruction and 10 takeoffs and landings to a full stop at night. The student must also have logged at least 3.0 hours of dual cross-country flight training enroute to airports greater than 50 nautical miles from the airport where the student normally trains.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 11 & 18
FAA-H-8083-25-PHAK - Chapters 16 & 17
AIM - Chapters 1-5 & 7
Private Pilot ACS
Review Learn to Fly Course as Needed

STAGE III
LESSON 56
DUAL – LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.5) _____ HOOD (0.5)_____ GROUND (0.2) _____

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

LESSON OBJECTIVE

During this lesson, the student will review flight maneuvers for the end of course check or Private Pilot Practical Test.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
Oral			**Flight**		
	Pilot Qualifications	2		Normal/ Crosswind Takeoff and Climb	2
	Airworthiness Requirements	2		Normal Approach and Landing	2
	Weather Information	2		Soft-Field Takeoff and Climb	2
	National Airspace System	2		Soft-Field Approach and Landing	2
	Performance and Limitations	2		Short-Field Takeoff and Maximum Performance Climb	2
	Operation of Systems	2		Short-Field Approach and Landing	2
	Human Factors	2		Forward Slip to a Landing	2
	Airport, Runway, and Taxiway Signs, Markings, and Lighting	2		Go-Around / Rejected Landing	2
Flight				Pilotage	2
	Preflight Inspection	2		Diversion	2
	Flight Deck Management	2		Lost Procedure	2
	Engine Starting	2		Emergency Descents	2
	Taxiing/ Brake Check	2		Emergency Approach and Landing (Simulated)	2
	Before Takeoff Check	2		Emergency Equipment and Survival Gear	2
	Radio Communications	2		Aeronautical Decision Making and Judgment	2
	Traffic Pattern Operations	2		After Landing Checks	2
	Airport, Runway, and Taxiway Signs, Markings, and Lighting	2		Parking, Securing, and Proper Tie Down	2

COMPLETION STANDARDS

At the completion of this lesson, the student will have performed all maneuvers to the Private Pilot Airman Certification Standards.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 11 & 18
FAA-H-8083-25-PHAK - Chapter 17
FAR
AIM - Chapters 2, 4, & 7
Review Learn to Fly Course as Needed

STAGE III
LESSON 57
DUAL – GROUND
KNOWLEDGE TEST/
END OF STAGE REVIEW

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

GROUND (1.2) _____

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

LESSON OBJECTIVE

The objective of this lesson is to review and evaluate the aeronautical knowledge areas from this TCO in preparation for the end-of-course test and/or Private Pilot Certificate Practical Test. Knowledge areas missed on the Private Pilot Knowledge Test should also be reviewed.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Private Pilot Knowledge Test	C		National Airspace System	C
	Pilot Qualifications	C		Performance and Limitations	C
	Airworthiness Requirements	C		Operation of Systems	C
	Weather information	C		Human Factors	C
	Cross-Country Flight Planning	C		Night Preparation	C

COMPLETION STANDARDS

In order to complete the ground portion of the Private Pilot Training Course, the student must score at least 70% on the Private Pilot Knowledge Test. The instructor must review the knowledge areas found deficient on the Private Pilot Knowledge Test and ensure that the student is ready for the oral and practical portions of exam. The student must have Private pilot level knowledge of the items listed for review.

STAGE III
LESSON 57a
DUAL- LOCAL
END OF STAGE
REVIEW

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (2.0) _____ HOOD (0.3)_____ GROUND (2.0) _____

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

LESSON OBJECTIVE

The student shall demonstrate the knowledge and skill of a Private Pilot with an instructor who is not their normally assigned instructor. The instructor will maintain an evaluator role throughout the entire review similar to that of an examiner or an approved end-of-course test check instructor.

CONTENT

Lesson Task - Oral			**Lesson Task - Flight**		
Task Grade		Completion Standard	Task Grade		Completion Standard
Oral			**Flight**		
	Pilot Qualifications	2		Go-Around / Rejected Landing	2
	Airworthiness Requirements	2		Steep Turns	2
	Weather Information	2		Rectangular Course	2
	Cross-Country Flight Planning	2		S-Turns	2
	National Airspace System	2		Turns around a Point	2
	Performance and Limitations	2		Maneuvering during Slow Flight	2
	Operation of Systems	2		Power-Off Stalls (Full)	2
	Human Factors	2		Power-On Stalls (Full)	2
	Night Preparation	2		Spin Awareness	2
Flight				BAI - Straight and Level	2
	Preflight Inspection	2		BAI - Turns to Headings in Level Flight	2
	Flight Deck Management	2		BAI - Constant Airspeed Climbs and Descents	2
	Engine Starting	2		BAI - Recovery from Unusual Flight Attitudes	2
	Taxiing/ Brake Check	2		Radio Communications, Navigation Systems/Facilities, and Radar Services	2
	Before Takeoff Check	2		Pilotage and Dead Reckoning	2
	Radio Communications and Light Signals	2		Navigation Systems and Radar Services	2
	Traffic Pattern Operations	2		Diversion	2
	Normal/ Crosswind Takeoff and Climb	2		Lost Procedure	2
	Normal Approach and Landing	2		Emergency Descents	2
	Soft-Field Takeoff and Climb	2		Emergency Approach and Landing (Simulated)	2
	Soft-Field Approach and Landing	2		Emergency Equipment and Survival Gear	2
	Short-Field Takeoff and Maximum Performance Climb	2		Aeronautical Decision Making and Judgment	2
	Short-Field Approach and Landing	2		After Landing Checks	2
	Forward Slip to a Landing	2		Parking, Securing, and Proper Tie Down	2

COMPLETION STANDARDS

The end-of-stage review will be completed when the student performs all tasks to the Private Pilot Airman Certification Standards.

STAGE III
LESSON 58
DUAL – LOCAL

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (1.2) _____ HOOD (0.5)_____ GROUND (0.2) _____

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

LESSON OBJECTIVE

During this lesson, the student will review flight maneuvers for the end-of-course check or Private Pilot Practical Test.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
	Preflight Inspection	2		Maneuvering during Slow Flight	2
	Flight Deck Management	2		Power-Off Stalls (Full)	2
	Engine Starting	2		Power-On Stalls (Full)	2
	Taxiing/ Brake Check	2		Spin Awareness	2
	Before Takeoff Check	2		BAI - Straight and Level	2
	Radio Communications and Light Signals	2		BAI - Turns to Headings in Level Flight	2
	Traffic Pattern Operations	2		BAI - Constant Airspeed Climbs and Descents	2
	Normal/ Crosswind Takeoff and Climb	2		BAI - Recovery from Unusual Flight Attitudes	2
	Normal Approach and Landing	2		Radio Communications, Navigation Systems/Facilities, and Radar Services	2
	Soft-Field Takeoff and Climb	2		Pilotage and Dead Reckoning	2
	Soft-Field Approach and Landing	2		Navigation Systems and Radar Services	2
	Short-Field Takeoff and Maximum Performance Climb	2		Diversion	2
	Short-Field Approach and Landing	2		Lost Procedure	2
	Forward Slip to a Landing	2		Emergency Descents	2
	Go-Around / Rejected Landing	2		Emergency Approach and Landing (Simulated)	2
	Steep Turns	2		Emergency Equipment and Survival Gear	2
	Rectangular Course	2		Aeronautical Decision Making and Judgment	2
	S-Turns	2		After Landing Checks	2
	Turns around a Point	2		Parking, Securing, and Proper Tie Down	2

COMPLETION STANDARDS

The student will perform all maneuvers at the Private Pilot Airman Certification Standards. The student shall also be prepared for the Private Pilot Test or end-of-course test.

At the end of this lesson, the student must have completed the required 3.0 hours of flight instruction on control and maneuvering of the airplane solely by reference to instruments.

ADDITIONAL STUDY

FAA-H-8083-3-AFH - Chapters 1-11 & 18
FAA-H-8083-25-PHAK - Chapters 1-17
Private Pilot ACS
AIM - Chapters 1-9

END-OF-COURSE – TIME SUMMARY

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

DATE _____

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

STAGE TOTALS

FLIGHT TIME (DUAL): _____

FLIGHT TIME (SOLO): _____

FLIGHT TIME (DUAL CROSS-COUNTRY): _____

FLIGHT TIME (SOLO CROSS-COUNTRY): _____

FLIGHT TIME (NIGHT): _____

INSTRUMENT: _____ (In flight only.)

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

COURSE TOTALS

FLIGHT TIME (DUAL): _____

FLIGHT TIME (SOLO): _____

FLIGHT TIME (DUAL CROSS-COUNTRY): _____

FLIGHT TIME (SOLO CROSS-COUNTRY): _____

FLIGHT TIME (NIGHT): _____

INSTRUMENT: _____ (In flight only.)

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

STAGE III
LESSON 59
DUAL- LOCAL
END OF COURSE TEST

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME (2.0) _____ HOOD (0.3)_____GROUND (2.0) _____

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

LESSON OBJECTIVE

The student shall demonstrate the knowledge and skill of a Private Pilot with an approved check instructor, Assistant Chief Instructor, or Chief Instructor. The end-of-course test will be completed in accordance with the Private Pilot ACS, with the instructor using an individualized Plan of Action. At a minimum, the student's Airman Knowledge Test Report deficiencies will be tested. If operating under examining authority, the student will have the applicable practical test endorsements from their normally assigned, recommending instructor.

CONTENT

Lesson Task			**Lesson Task**		
Task Grade		Completion Standard	Task Grade		Completion Standard
Oral			**Flight**		2
	Pilot Qualifications	2		Go-Around / Rejected Landing	2
	Airworthiness Requirements	2		Steep Turns	2
	Weather Information	2		Rectangular Course	2
	Cross-Country Flight Planning	2		S-Turns	2
	National Airspace System	2		Turns around a Point	2
	Performance and Limitations	2		Maneuvering during Slow Flight	2
	Operation of Systems	2		Power-Off Stalls (Full)	2
	Human Factors	2		Power-On Stalls (Full)	2
	Night Preparation	2		Spin Awareness	2
Flight				BAI - Straight and Level	2
	Preflight Inspection	2		BAI - Turns to Headings in Level Flight	2
	Flight Deck Management	2		BAI - Constant Airspeed Climbs and Descents	2
	Engine Starting	2		BAI - Recovery from Unusual Flight Attitudes	2
	Taxiing/ Brake Check	2		Radio Communications, Navigation Systems/Facilities, and Radar Services	2
	Before Takeoff Check	2		Pilotage and Dead Reckoning	2
	Radio Communications and Light Signals	2		Navigation Systems and Radar Services	2
	Traffic Pattern Operations	2		Diversion	2
	Normal/ Crosswind Takeoff and Climb	2		Lost Procedure	2
	Normal Approach and Landing	2		Emergency Descents	2
	Soft-Field Takeoff and Climb	2		Emergency Approach and Landing (Simulated)	2
	Soft-Field Approach and Landing	2		Emergency Equipment and Survival Gear	2
	Short-Field Takeoff and Maximum Performance Climb	2		Aeronautical Decision Making and Judgment	2
	Short-Field Approach and Landing	2		After Landing Checks	2
	Forward Slip to a Landing	2		Parking, Securing, and Proper Tie Down	2

COMPLETION STANDARDS

The end-of-course test will be complete when the student performs all required maneuvers and tasks to the Private Pilot Airman Certification Standards. Also, the instructor and student will review the 14 CFR part 141 requirements for the Private Pilot Certificate and determine that the student has met all of them. Upon successful completion, the student will be issued a graduation certificate and will become eligible to take the practical examination. If operating under examining authority, the student will also be issued a Private Pilot Certificate.

RECORD OF EXTRA TRAINING
(Copy as Required)

DATE _____ GRADE (Circle One) S U I

STUDENT NAME _____ STUDENT SIGNATURE _____

INSTRUCTOR # _____ INSTRUCTOR SIGNATURE _____

FLIGHT TIME _____ GROUND _____

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

CONTENT

Notes:

_____

_____

_____

_____

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