



Private Pilot

Training Syllabus

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Course Introduction

The purpose of this syllabus is to outline a suggested timeline of study to ensure the completion of all requirements under 14 CFR Part 61 flight training. This course of study provides a logical, and efficient way to maximize knowledge transfer and utilize the proven Gold Seal method to its full potential during both ground and flight training.

That being said, there is not a one-size-fits-all program that works with flight training. This syllabus can and should be deviated from, at the discretion of the CFI, if there is need for more time or extra review on subject matter.

Course Outline:

This course is broken into 3 phases.

Phase 1 – Pre-Solo

Phase 2 – Pre-Solo Cross-Country

Phase 3 – Checkride Prep

Each phase is broken into a series of lessons that include a flight component and a ground component. The flight component is to be accomplished with a Certificated Flight Instructor, in the location and aircraft of the students choosing. The Ground School component will be accomplished by enrolling in Gold Seal's Private Pilot program at www.GroundSchool.com.

Get the most out of this course:

COME PREPARED!

Plan to block at least 0.5 hours before and after your scheduled training flights. During pre-flight this allows the opportunity to go over the previous lesson material and a briefing for that day's flight. Post-flight it will allow for a proper debrief and preparation for the lesson to come.

Make sure all required reading, quizzes, and homework are completed before showing up for a training flight. The cockpit is not a good classroom. Being prepared will save both time and money.

Allow for changes in pace. Every student learns at different speeds, and comparing one timeline to the next is not helpful. Goals are good and should be strived for, but not at the expense of safety.

Completion Standards:

The mastery of a subject will be determined by the CFI. Students will be evaluated on an individual basis, and endorsed based on their CFI's discretion.

For flight maneuvers being introduced to the student, there are no completion standards laid out for the student. There is a box to check when the maneuver has been demonstrated to the student.

After a maneuver has been introduced and demonstrated to the student, the student will attempt the maneuver themselves. The student's performance will be rated on a 4-point grading scale.

The 4-Point Grading Scale:

In accordance with the guidelines set forth in the Private Pilot Airman Certification Standards (ACS), instructors will collect pilot performance data using a 4-point grading (rating) scale. These ratings will apply to all maneuvers that have previously been introduced and demonstrated. The scale values are as follows:

Rating of 4 = Above Standard

Proficiency with the maneuver consistently exceeds the Private Pilot ACS standards. The task rated as a 4 was performed in such a manner as to demonstrate a high level of operational knowledge and skill by the pilot for a particular maneuver.

Indicators of "Above Standard" (4) performance:

- Meets or exceeds ACS standards. No errors.
- Threats managed and margin of safety clear and never in doubt.
- Demonstrates advanced levels of technical proficiency and depth of knowledge.
- Behavior indicates continuous and highly accurate situational awareness.
- Efficient use of all resources.
- Aircraft handling is smooth and precise.

Rating of 3 = Standard

Proficiency meets ACS standards which allows for momentary deviations from the standard. A task rated as a 3 was performed satisfactorily with only minor errors observed, and the individual recognized and corrected the error without assistance.

Indicators of "standard" (3) performance:

- Meets ACS standards. Errors trapped and remediated without intervention.
- Threats managed and undesired states avoided. Margin of safety maintained.
- Technical skills and knowledge meet the required level of competency.
- Situational awareness maintained.
- Aircraft handling is effective

The instructor will inform the pilot of the minor errors noted.

Rating of 2 = Acceptable – With a debrief

Proficiency intermittently falls below standards, requiring a debrief with the student. A task rated as a 2 was performed within safe parameters, but errors in procedure and/or aircraft handling were noted. The task may have been performed with momentary transgressions of the established ACS standards.

Indicators of “Acceptable – With a debrief” (2) performance:

- Deviations from ACS standards occur. Errors are corrected by the student in a timely manner.
- Undesired states occur but are managed. Safety of flight is not affected.
- Technical skills and knowledge reveal limited technical proficiency or depth of knowledge
- Situational awareness lapses that are identified and corrected.
- Flight management skills are effective, but slightly below standard.
- Some items are addressed only when challenged or prompted by the instructor.
- Aircraft handling is uncoordinated.
- Did not contribute to the assessment of the situation or development of a course of action.

The instructor shall debrief the student regarding this task performance.

Rating of 1 = Unsatisfactory

The outcome of the maneuver is in doubt; proficiency consistently falls below ACS standards. A task rated as a 1 is clearly unsatisfactory. The task was performed in an unsafe manner and clearly outside of the established certification standards.

Indicators of “Unsatisfactory” (1) performance:

- Unacceptable deviations from the ACS standards. Errors not recognized or corrected.
- Threats not managed. Safety of flight affected.
- Technical skills and knowledge reveal unacceptable levels of technical proficiency and/or depth of knowledge.
- Lapses in situational awareness that are not identified or corrected by the student.
- Flight management skills are ineffective.
- Aircraft handling is ineffective.

Course Instructions:

For each lesson there will be an objective, introductions, required flight tasks, required ground study, and quizzes. The order in which the flight portions are accomplished are at the CFI's discretion, but these are all tasks that must be accomplished to meet the required Private Pilot Airmen Certification Standards.

The objective will be the ultimate goal of the lesson and the determining factor as to whether the student is ready to move on to the next lesson or not.

The introductions are new tasks to be shown to the student. The student is not expected to be held to any standards when seeing and attempting these for the first time.

Required flight tasks are intended to be graded in accordance with the standards laid out in the Private Pilot Airman Certification Standards.

Required ground study and quizzes will be in association with the student's enrollment in Gold Seal's Private Pilot Program. Students will log in to www.GroundSchool.com to accomplish the correct Section and Module assigned for that lesson and take the associated quiz, if there is one.

The instructor will utilize Gold Seal's "Instructor Portal" to monitor and view student progress and detailed quiz results.

Suggested Equipment:

- ❑ Flight Bag (small duffel or backpack will work fine)
- ❑ Paper or Digital Logbook (US Standard)
- ❑ E6B Flight Computer
- ❑ Plotter
- ❑ Current Sectional
- ❑ Current FAR/AIM
- ❑ Kneeboard
- ❑ Headset
- ❑ View Limiting Device (I.E. "Foggles")
- ❑ Pilot Handbook of Aeronautical Knowledge (digital or paper)

Phase 1
Lesson 1
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to the four fundamentals of flight, checklists, procedures, and to the training aircraft

Lesson Content:

- | | |
|--|---|
| <input type="checkbox"/> Intro to dispatch procedures | <input type="checkbox"/> Intro to collision avoidance |
| <input type="checkbox"/> Intro to IMSAFE briefing | <input type="checkbox"/> Intro to normal takeoff and climb |
| <input type="checkbox"/> Intro to certificates and documents | <input type="checkbox"/> Intro to traffic pattern operations |
| <input type="checkbox"/> Intro to preflight procedures | <input type="checkbox"/> Intro to climbs, descents, and level off |
| <input type="checkbox"/> Intro to checklist usage | <input type="checkbox"/> Intro to straight and level flight |
| <input type="checkbox"/> Intro to passenger briefing | <input type="checkbox"/> Intro to the four fundamentals of flight |
| <input type="checkbox"/> Intro to engine controls | <input type="checkbox"/> Intro to shallow banked turns |
| <input type="checkbox"/> Intro to flight controls | <input type="checkbox"/> Intro to normal approach and landing |
| <input type="checkbox"/> Intro to taxiing | <input type="checkbox"/> Intro to after landing procedures |
| | <input type="checkbox"/> Intro to shutdown and securing |

Required Study:

- Section 1: Introduction - Watch This First!
- Section 1: Becoming a pilot
- Section 1: Welcome to the Airport
- Section 1: Your First Flight Lesson
- Section 1: Aircraft Basics [*ACS Reference: PA.I.G, PA.IX.C*]

Quizzes:

- % Aircraft Basics

Student Signature: _____ **Instructor Signature:** _____

Phase 1
Lesson 2
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to engine start procedures, aircraft taxi, the before takeoff checklist, normal takeoffs, normal landings, and proper post-flight securing of the aircraft. The student will also be introduced to the functioning of basic aircraft control.

Lesson Content:

___ Intro to engine starting
 ___ Intro to taxiing and brake check
 ___ Intro to radio communications
 ___ Intro to cockpit management
 ___ Intro to aeronautical decision making
 ___ Intro to aircraft flight instruments
 ___ Intro to turns to a heading
 ___ Intro to pitch/power coordination
 ___ Intro to trim usage
 ___ Intro to climbs/descents to altitudes
 ___ Intro to parking, securing, & tie down

Flight Tasks:

• Dispatch procedures	1 2 3 4
• Preflight inspection	1 2 3 4
• Passenger briefing	1 2 3 4
• Normal takeoff and climb	1 2 3 4
• Straight and level flight	1 2 3 4
• Collision avoidance	1 2 3 4
• Flight control usage	1 2 3 4
• Engine control usage	1 2 3 4
• Shallow bank turns	1 2 3 4
• Traffic pattern operations	1 2 3 4
• Normal approach and landing	1 2 3 4

Required Study:

_____ Section 1: Pilot Qualifications [*ACS Reference: PA.I.A*]
 _____ Section 1: Aircraft Requirements [*ACS Reference: PA.I.B*]
 _____ Section 2: Zulu Time
 _____ Section 1: Phonetic Alphabet

Quizzes:

_____ % Pilot Qualifications
 _____ % Aircraft Requirements

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 3
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

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

Lesson Content:

___ Intro to local weather	___ Intro to constant rate climbs
___ Intro to runway incursion avoidance	___ Intro to constant rate descents
___ Intro to aircraft light usage	
___ Intro to airport, runway, & taxi markings	<u>Flight Tasks:</u>
___ Intro to airport, runway, & taxi lights	• Radio communication 1 2 3 4
___ Intro to practice area operations	• Collision avoidance 1 2 3 4
___ Intro to static and dynamic stability	• Traffic pattern operation 1 2 3 4
___ Intro to airspeed transitions	• Taxiing 1 2 3 4
___ Intro to constant airspeed climbs	• Climbs to altitude 1 2 3 4
___ Intro to constant airspeed descents	• Descents to altitude 1 2 3 4

Required Study:

- ___ Section 1: Aerodynamics 101 [ACS Reference: PA.I.FK6]
- ___ Section 1: Aerodynamics 102 [ACS Reference: PA.I.A]
- ___ Section 2: Untowered Airport Communications
- ___ Section 2: Airport Operations [ACS Reference: PA.II.D, PA.III.A]
- ___ Section 2: Airport Signs & Runway Markings [ACS Reference: PA.II.D]
- ___ Section 2: Class D VFR Arrival
- ___ Section 2: Class D Airport Departure

Quizzes:

- ___ % Aerodynamics 101
- ___ % Aerodynamics 102
- ___ % Airport Operations
- ___ % Airport Signs & Runway Markings

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 4
DUAL LOCAL

Date: _____	Aircraft: _____	Airport(s): _____
Student Name: _____		
Instructor Name & #: _____		
Dual: _____	Solo: _____	X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to steep turns and the changes in the four fundamentals of flight occurring when the aircraft is not in straight and level flight.

Lesson Content:

- ___ Intro to the 3 axis of flight
- ___ Intro to forces of lift in a climb
- ___ Intro to forces of lift in a turn
- ___ Intro to forces of lift in a descent
- ___ Intro to steep turns

Flight Tasks:

- Normal takeoff and climb out 1 2 3 4
- Cockpit management 1 2 3 4
- Practice area operation 1 2 3 4
- Traffic scanning 1 2 3 4
- Flight instrument usage 1 2 3 4
- Normal approach and landing 1 2 3 4

Required Study:

- _____ Section 1: Meet Your Instrument Panel
- _____ Section 1: Conventional Airplane Instruments [*ACS Reference: PA.I.G, PA.IX.C*]
- _____ Section 1: The Magnetic Compass [*ACS Reference: PA.I.G, PA.IX.C*]
- _____ Section 2: The Stabilized Approach [*ACS Reference: PA.IV.B, PA.IX.B*]
- _____ Section 3: Transponders [*ACS Reference: PA.VI.B*]
- _____ Section 3: Engines and Systems
- _____ Section 3: Clearing Turns
- _____ Section 3: Steep Turns [*ACS Reference: PA.VA*]

Quizzes:

- | | |
|---|-----------------------------|
| _____ % Conventional Airplane Instruments | _____ % Transponders |
| _____ % The Magnetic Compass | _____ % Engines and Systems |

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 5
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

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

Lesson Content:

___ Intro to angle of attack
 ___ Intro to use of flaps
 ___ Intro to effects of flaps
 ___ Intro to power off stalls
 ___ Intro to power on stalls
 ___ Intro to slow flight
 ___ Intro to stall awareness
 ___ Intro to spin awareness

Flight Tasks:

• Normal takeoff and climb out	1	2	3	4
• Practice area operation	1	2	3	4
• Flight instrument scan	1	2	3	4
• Traffic scanning	1	2	3	4
• Traffic pattern operations	1	2	3	4
• Normal approach and landing	1	2	3	4

Required Study:

___ Section 2: Stalls, Spins, and Spirals [*ACS Reference: PA.IV, PA.VII.D*]
 ___ Section 3: Pilot Regulations - Misc. [*ACS Reference: PA.I.B*]
 ___ Section 3: Stall Recovery Basics [*ACS Reference: PA.VII.B, PA.VII.C*]
 ___ Section 5: Weight and Balance - Part 1
 ___ Section 5: Performance Charts
 ___ Section 3: Clearing Turns

Quizzes:

___ % Stalls, Spins, and Spirals ___ % Performance Charts
 ___ % Pilot Regulations - Misc.

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 6
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to ground reference maneuvers and the effects of wind.

Lesson Content:

___ Intro to rectangular course
 ___ Intro to wind effect on ground track
 ___ Intro to S-turns
 ___ Intro to turns around a point
 ___ Intro to maneuvering during slow flight

Flight Tasks:

• Slow flight	1	2	3	4
• Steep turns	1	2	3	4
• Normal takeoff and landing	1	2	3	4
• Traffic pattern operations	1	2	3	4

Required Study:

_____ Section 3: Ground Reference Maneuvers [*ACS Reference: PA.VB*]
 _____ Section 3: Ground Reference Maneuver - Turns Around a Point
 _____ Section 3: Ground Reference Maneuver - S-Turns
 _____ Section 3: Ground Reference Maneuver - Rectangular Course
 _____ Section 5: Weight and Balance - Part 2

Quizzes:

_____ % Ground Reference Maneuvers
 _____ % Weight and Balance - Part 2

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 7
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to emergency flight maneuvers as well as rejected takeoffs and go-around procedures.

Lesson Content:

___ Intro to rejected takeoffs
 ___ Intro to wake turbulence avoidance
 ___ Intro to wing tip vortices
 ___ Intro to unusual attitude recovery
 ___ Intro to emergency approach and landing
 ___ Intro to ground effect
 ___ Intro to wind shear
 ___ Intro to load factor and gusts
 ___ Intro to go-arounds
 ___ Intro to no-flap landing
 ___ Intro to crosswind calculation

Flight Tasks:

• Normal takeoff	1	2	3	4
• Normal approach	1	2	3	4
• Normal landing	1	2	3	4
• Airspeed management	1	2	3	4
• Maneuvering during slow flight	1	2	3	4
• Aeronautical decision making	1	2	3	4

Required Study:

_____ Section 3: Unusual Attitude Recoveries [ACS Reference: PA.VIII.E]
 _____ Section 2: Wake Turbulence [ACS Reference: PA.II.F.K4, PA.III.B.K5]
 _____ Section 3: Pilot Regulations - Part 61 [ACS Reference: PA.I.A]
 _____ Section 3: Pilot Regulations - Part 91 [ACS Reference: PA.I.B]
 _____ Section 4: Calculating Crosswind Components
 _____ Section 2: Go-around: The Rejected Landing [ACS Reference: PA.IV.N]

Quizzes:

_____ % Wake Turbulence	_____ % Pilot Regulations - Part 61
_____ % Calculating Crosswind Components	_____ % Pilot Regulations - Part 91

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 8
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to slips, as well as short-field and soft-field takeoffs and landings.

Lesson Content:

___ Intro to short-field takeoffs
 ___ Intro to short-field landings
 ___ Intro to soft-field takeoffs
 ___ Intro to soft-field landings
 ___ Intro to forward slip to approach
 ___ Intro to side slip
 ___ Intro to turning slips and skids

Flight Tasks:

• Normal takeoff	1 2 3 4
• Normal approach	1 2 3 4
• Normal landing	1 2 3 4
• Gust factor and crosswind calculation	1 2 3 4
• Go-around	1 2 3 4
• Rejected takeoff	1 2 3 4
• Emergency approach and landing	1 2 3 4
• No-flap landing	1 2 3 4

Required Study:

_____ Section 3: Short Field Operations - Takeoff [ACS Reference: PA.IV.E]
 _____ Section 3: Short Field Operations - Landing [ACS Reference: PA.IV.F]
 _____ Section 3: Soft Field Operations - Takeoff
 _____ Section 2: NAS Part 1 - Class A, E, and G
 _____ Section 2: NAS Part 2 - Class B, C, and D [ACS Reference: PA.I.E, PA.VI.A]
 _____ Section 2: NAS Part 3 - Special Use Airspace

Quizzes:

_____ % NAS Part 1 - Class A, E, and G _____ % NAS Part 3 - Special Use Airspace
 _____ % NAS Part 2 - Class B, C, and D

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 9
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will review flight maneuvers and landings.

Flight Tasks:

- Normal takeoff 1 2 3 4
- Constant rate/speed climbs 1 2 3 4
- Constant rate/speed descents 1 2 3 4
- Power on stalls 1 2 3 4
- Power off stalls 1 2 3 4
- Stall recovery 1 2 3 4
- Spin awareness 1 2 3 4
- Stalls in landing configuration 1 2 3 4
- Normal approach 1 2 3 4
- Traffic pattern operations 1 2 3 4
- Normal landing 1 2 3 4

Required Study:

_____ Section 2: Your First Solo Flight

_____ Section 3: Emergency Approach and Landing [*ACS Reference: PA.IX.B*]

Quizzes: N/A

Student Signature: _____

Instructor Signature: _____

Phase 1
Lesson 10
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

PHASE CHECK: Phase 1

During this lesson, the student will complete a pre-solo assessment. All maneuvers must be scored as a "3" or higher to continue. Upon completion of this phase check, the student will be cleared to solo.

Flight Tasks:

• Aircraft preflight	1 2 3 4	• Normal landing to full stop	1 2 3 4
• Aircraft start up and taxi	1 2 3 4	• Aircraft shutdown	1 2 3 4
• Run up	1 2 3 4	• Aircraft securing	1 2 3 4
• Radio operations	1 2 3 4	• Checklist usage	1 2 3 4
• Aircraft systems and engine operations	1 2 3 4		
• Normal/crosswind takeoff	1 2 3 4		
• Wake turbulence avoidance	1 2 3 4		
• Climb and climbing turns	1 2 3 4		
• Stall recovery	1 2 3 4		
• Slow flight	1 2 3 4		
• Emergency procedures	1 2 3 4		
• Simulated engine out	1 2 3 4		
• Traffic pattern operations	1 2 3 4		
• Forward slip to land	1 2 3 4		
• Descents and descending turns	1 2 3 4		

Required Study: N/A

Quizzes:

Review all missed questions from previous quizzes

Student Signature: _____ **Instructor Signature:** _____

Phase 2
Lesson 1
DUAL LOCAL

Date: _____ Aircraft: _____ Airport(s): _____
 Student Name: _____
 Instructor Name & #: _____
 Dual: _____ Solo: _____ X-Country: _____ Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to navigation techniques such as dead reckoning and pilotage.

Lesson Content:

- ___ Intro to flight route planning
- ___ Intro to dead reckoning
- ___ Intro to pilotage
- ___ Intro to cross-country planning
- ___ Intro to unfamiliar airport operations
- ___ Intro to towered/untowered operations
- ___ Intro to critical weather recognition

Flight Tasks:

- Normal takeoff and landing 1 2 3 4
- Aeronautical decision making 1 2 3 4
- Crosswind correction 1 2 3 4
- Gust factor and crosswind calculation 1 2 3 4

Required Study:

- _____ Section 4: Weather Theory Part 1 *[ACS Reference: PA.I.C]*
- _____ Section 5: Cross-Country Flight Planning *[ACS Reference: PA.I.E, PA.VI.A]*
- _____ Section 2: Latitudes and Longitudes - Sectional Charts
- _____ Section 4: Weather Charts for Pilots *[ACS Reference: PA.I.C]*
- _____ Section 5: Chart Supplement Publication
- _____ Section 2: Understanding Sectional Charts *[ACS Reference: PA.I.E]*

Quizzes:

- | | | | |
|---------|-------------------------------|---------|--------------------------------|
| _____ % | Weather Theory Part 1 | _____ % | Weather Charts for Pilots |
| _____ % | Cross-Country Flight Planning | _____ % | Chart Supplement Publication |
| | | _____ % | Understanding Sectional Charts |

Student Signature: _____

Instructor Signature: _____

Phase 2
Lesson 2
DUAL LOCAL

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to navigational aides.

Lesson Content:

- ___ Intro to VOR orientation and tracking
- ___ Intro to GPS orientation and tracking
- ___ Intro to heading estimates and fuel planning
- ___ Intro to sectional charts
- ___ Intro to communicating with ATC

Flight Tasks:

- Pilotage 1 2 3 4
- Dead reckoning 1 2 3 4
- S-turns 1 2 3 4

Required Study:

- _____ Section 5: VOR Navigation [*ACS Reference: PA.VI.B*]
- _____ Section 4: METARs, TAFs, & PIREPSs [*ACS Reference: PA.I.C*]
- _____ Section 5: Aeronautical Decision Making [*ACS Reference: PA.I.H*]
- _____ Section 5: Mastering Flight Following [*ACS Reference: PA.VI.B*]
- _____ Section 5: GPS: What It Is and How It Works [*ACS Reference: PA.VI.B*]
- _____ Section 4: VFR minimums [*ACS Reference: PA.I.E*]

Quizzes:

- | | |
|--------------------------------|--|
| _____ % VOR Navigation | _____ % Aeronautical Decision Making |
| _____ % METARs, TAFs, & PIREPs | _____ % GPS: What it is and how it works |
| | _____ % VFR Minimums |

Student Signature: _____

Instructor Signature: _____

Phase 2
Lesson 3
DUAL
X-COUNTRY

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this lesson, the student will plan and complete a cross-country flight to an airport less than 25 NM from their home airport.

Lesson Content:

- ___ Intro to obtaining in-flight weather
- ___ Intro to lost procedures
- ___ Intro to VFR flight following
- ___ Intro to terrain awareness
- ___ Intro to opening a VFR flight plan
- ___ Intro to closing a VFR flight plan

Flight Tasks:

- Pilotage 1 2 3 4
- Dead reckoning 1 2 3 4
- Setting cruise power and configuration 1 2 3 4
- Critical weather recognition 1 2 3 4

Required Study:

- _____ Section 4: Weather Theory Part 2 [ACS Reference: PA.I.C]
- _____ Section 5: Aeromedical Factors [ACS Reference: PA.I.H]
- _____ Section 5: Atmospheric Instability [ACS Reference: PA.I.C]
- _____ Section 4: Density Altitude and Flying [ACS Reference: PA.IV]

Quizzes:

- | | | | |
|---------|-----------------------|---------|-----------------------------|
| _____ % | Weather Theory Part 2 | _____ % | Atmospheric Instability |
| _____ % | Aeromedical Factors | _____ % | Density Altitude and Flying |

Student Signature: _____

Instructor Signature: _____

Phase 2
Lesson 4
DUAL
LOCAL

Date: _____	Aircraft: _____	Airport(s): _____
Student Name: _____		
Instructor Name & #: _____		
Dual: _____	Solo: _____	X-Country: _____
Ground: _____		

Lesson Objective:

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

Lesson Content:

- ___ Intro to go-arounds - night
- ___ Intro to emergency approach to landing - night
- ___ Intro to aeromedical factors - night
- ___ Intro to collision and obstacle avoidance - night
- ___ Intro to airport lighting (pilot controlled) - night
- ___ Intro to traffic pattern operations - night
- ___ Intro to normal full stop landings (at least 3) - night
- ___ Intro to visual illusions - night
- ___ Intro to dead reckoning - night
- ___ Intro to pilotage - night

Required Study:

_____ Section 5: Night Flight [*ACS Reference: PA.II.D, PA.XI.A*]

Quizzes:

_____ % Night Flight

Student Signature: _____ **Instructor Signature:** _____

Phase 2
Lesson 5
DUAL
X-COUNTRY

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this lesson, the student will plan and complete a second cross-country flight to an airport less than 25 NM from their home airport.

Lesson Content:

- ___ Intro to emergency descents
- ___ Intro to alternate planning
- ___ Intro to diversion

Flight Tasks:

- Aeronautical Decision Making 1 2 3 4
- Estimates of heading 1 2 3 4
- Fuel planning 1 2 3 4
- Critical weather recognition 1 2 3 4
- Unfamiliar airport operations 1 2 3 4
- Route selection 1 2 3 4
- Pilotage 1 2 3 4
- Dead Reckoning 1 2 3 4
- VFR Sectional Chart usage 1 2 3 4
- Lost procedures 1 2 3 4

Required Study:

- _____ Section 6: Test Preparation Overview
- _____ Section 6: Private Pilot Written Test - Prepare to Pass!

Quizzes:

- _____ % Practice Final Exam - Attempt 1

Student Signature: _____ **Instructor Signature:** _____

Phase 2
Lesson 6
DUAL
X-COUNTRY

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this lesson, the student will review and execute flight maneuvers and landings.

Flight Tasks:

- | | | | |
|------------------------------------|---------|----------------------------------|---------|
| • Normal takeoff | 1 2 3 4 | • Maneuvering during slow flight | 1 2 3 4 |
| • Constant speed/rate climb | 1 2 3 4 | • Power-off stalls | 1 2 3 4 |
| • Short-field takeoff and climb | 1 2 3 4 | • Power-on stalls | 1 2 3 4 |
| • Soft-field takeoff and climb | 1 2 3 4 | • Traffic pattern operations | 1 2 3 4 |
| • Normal approach and landing | 1 2 3 4 | • Crosswind takeoffs | 1 2 3 4 |
| • Short-field approach and landing | 1 2 3 4 | • Crosswind landings | 1 2 3 4 |
| • Soft-field approach and landing | 1 2 3 4 | • Steep turns | 1 2 3 4 |

Required Study:

_____ Section 6: Secrets to Checkride Success

Quizzes:

_____ % Practice Final Exam - Attempt 2

Student Signature: _____

Instructor Signature: _____

Phase 2
Lesson 7
DUAL
X-COUNTRY

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this lesson, the student will be introduced to instrument flying by using a view-limiting device.

Lesson Content:

- ___ Intro to straight-and-level flight with view-limiting device
- ___ Intro to constant speed climbs/descents with view-limiting device
- ___ Intro to constant rate climbs/descents with view-limiting device
- ___ Intro to unusual attitudes with view-limiting device
- ___ Intro to partial panel/instrument failures with view-limiting device
- ___ Intro to lost procedures with view-limiting device

Required Study:

- _____ All Sections: Review

Quizzes:

- _____ % Practice Final Exam - Attempt 3

Student Signature: _____ Instructor Signature: _____

Phase 2
Lesson 8
DUAL
LOCAL

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

PHASE CHECK: Phase 2

During this lesson, the student will complete a pre-solo assessment. All maneuvers must be scored as a "3" or higher to continue. Upon completion of this phase check, the student will be cleared to complete solo cross-country requirements.

Flight Tasks:

• Certificates and documents	1 2 3 4	• Normal approach and landing	1 2 3 4
• Airworthiness requirements	1 2 3 4	• Soft-field takeoff and climb	1 2 3 4
• Weather information	1 2 3 4	• Soft-field approach and landing	1 2 3 4
• Airspace system knowledge	1 2 3 4	• Short-field takeoff and climb	1 2 3 4
• Performance planning	1 2 3 4	• Short-field approach and landing	1 2 3 4
• Systems operations	1 2 3 4	• Go around procedures	1 2 3 4
• Aeromedical factors	1 2 3 4	• Emergency procedures/engine out	1 2 3 4
• Airport signs and markings	1 2 3 4	• Slip to land	1 2 3 4
• Preflight inspection	1 2 3 4	• Wake turbulence awareness	1 2 3 4
• Cockpit management	1 2 3 4	• No flap landing	1 2 3 4
• Taxiing	1 2 3 4	• Dead reckoning	1 2 3 4
• Before takeoff check	1 2 3 4	• Pilotage	1 2 3 4
• Radio communications	1 2 3 4	• Navigation equipment knowledge	1 2 3 4
• Traffic pattern operations	1 2 3 4	• After landing checks	1 2 3 4
• Normal takeoff and climb	1 2 3 4	• Parking, securing, tie down	1 2 3 4

Required Study:

_____ All Sections: Review

Quizzes:

_____ % Practice Final Exam - Attempt 4

Student Signature: _____

Instructor Signature: _____

Phase 3
Lesson 1
SOLO
X-COUNTRY

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this flight, the student will embark on a solo cross-country flight to an airport of the instructor's choosing. The flight plan should be done by the student, but discussed with the instructor before departure.

Flight Tasks:

- | | | | | |
|---|---|---|---|---|
| • VOR navigation | 1 | 2 | 3 | 4 |
| • GPS navigation | 1 | 2 | 3 | 4 |
| • Dead reckoning | 1 | 2 | 3 | 4 |
| • Pilotage | 1 | 2 | 3 | 4 |
| • Aeronautical decision making | 1 | 2 | 3 | 4 |
| • Radio communications | 1 | 2 | 3 | 4 |
| • Taxiing/before takeoff check | 1 | 2 | 3 | 4 |
| • Runway incursion avoidance | 1 | 2 | 3 | 4 |
| • Normal/crosswind takeoff and climb | 1 | 2 | 3 | 4 |
| • Normal/crosswind approach and landing | 1 | 2 | 3 | 4 |
| • Flight planning | 1 | 2 | 3 | 4 |

Note:

This is a self assessment accomplished by the student during the debrief after the flight has been completed.

Required Study:

_____ Instructor discretion

Student Signature: _____

Instructor Signature: _____

Phase 3
Lesson 2
SOLO
X-COUNTRY

Date: _____	Aircraft: _____	Airport(s): _____	
Student Name: _____			
Instructor Name & #: _____			
Dual: _____	Solo: _____	X-Country: _____	Ground: _____

Lesson Objective:

During this flight, the student will embark on a solo cross-country flight consisting of 3 legs, with a total distance of 150 NM, each to be a minimum of 50 NM and full stop landings at each destination.

Flight Tasks:

- | | |
|---|---------|
| • VOR navigation | 1 2 3 4 |
| • GPS navigation | 1 2 3 4 |
| • Dead reckoning | 1 2 3 4 |
| • Pilotage | 1 2 3 4 |
| • Aeronautical decision making | 1 2 3 4 |
| • Radio communication | 1 2 3 4 |
| • Taxiing/before takeoff check | 1 2 3 4 |
| • Runway incursion avoidance | 1 2 3 4 |
| • Normal/crosswind takeoff and climb | 1 2 3 4 |
| • Normal/crosswind approach and landing | 1 2 3 4 |
| • Flight planning | 1 2 3 4 |

Note:

This is a self assessment accomplished by the student during the debrief after the flight has been completed.

Required Study:

_____ Instructor discretion

Student Signature: _____

Instructor Signature: _____

Checkride Preparation

During this phase of training, the instructor will use this checklist to evaluate the student and determine the next lessons. All tasks should be graded as a “3” or higher in order to be considered “checkride ready.”

If a task is not graded as a “3” or higher, the instructor should use the blank lesson plan provided to create a custom lesson focusing on the students tasks that need improvement.

Preflight Preparations:

- Certificates and documents 1 2 3 4
- Airworthiness requirements 1 2 3 4
- Weather information 1 2 3 4
- Cross-country flight planning 1 2 3 4
- National Airspace System 1 2 3 4
- Performance and limitations 1 2 3 4
- Systems 1 2 3 4
- Aeromedical factors 1 2 3 4

Night Operations:

- Night preparations 1 2 3 4
- Visual illusions 1 2 3 4
- Night aeromedical factors 1 2 3 4

Preflight Procedures:

- Preflight inspection 1 2 3 4
- Cockpit management 1 2 3 4
- Engine starting 1 2 3 4
- Taxiing 1 2 3 4
- Runway incursion avoidance 1 2 3 4
- Before takeoff check 1 2 3 4

Airport Operations:

- Radio communications 1 2 3 4
- ATC light signals 1 2 3 4
- Traffic pattern operations 1 2 3 4

Airport Operations (continued):

- Signs and markings: airport, taxiway, and runway 1 2 3 4
- Normal and crosswind takeoff and climb 1 2 3 4
- Normal and crosswind approach and landing 1 2 3 4
- Soft-field takeoff and climb 1 2 3 4
- Soft-field approach and landing 1 2 3 4
- Short-field takeoff and climb 1 2 3 4
- Short-field approach and landing 1 2 3 4
- Forward slip to a landing 1 2 3 4
- Rejected takeoff 1 2 3 4
- Rejected landing to go-around 1 2 3 4

Performance Maneuver:

- Steep turns 1 2 3 4

Ground Reference Maneuvers:

- Rectangular course 1 2 3 4
- S-turns 1 2 3 4
- Turns around a point 1 2 3 4

Slow Flight and Stalls:

- Maneuvering during slow flight 1 2 3 4
- Power off stalls 1 2 3 4
- Power on stalls 1 2 3 4
- Spin awareness 1 2 3 4

Basic Instrument Maneuvers:

- Straight-and-level flight: view-limiting device 1 2 3 4
- Constant airspeed climbs/descents: view-limiting device 1 2 3 4
- Constant rate climbs/descents: view-limiting device 1 2 3 4
- Turns to headings: view-limiting device 1 2 3 4
- Recovery from unusual flight attitudes: view-limiting device 1 2 3 4
- Radio communications & navigation systems: view-limiting device 1 2 3 4

Navigation:

- Pilotage 1 2 3 4
- Dead reckoning 1 2 3 4
- Navigation systems and radar services 1 2 3 4
- Diversions 1 2 3 4
- Lost procedures 1 2 3 4
- Flight planning 1 2 3 4

Emergency Operations:

- Emergency descents 1 2 3 4
- Emergency approach and landing 1 2 3 4
- Systems and equipment malfunctions 1 2 3 4
- Emergency equipment and survival gear 1 2 3 4

Post-flight Procedures:

- After landing, parking, and securing 1 2 3 4

Phase 3
Lesson _____

Date: _____	Aircraft: _____	Airport(s): _____
Student Name: _____		
Instructor Name & #: _____		
Dual: _____	Solo: _____	X-Country: _____
Ground: _____		

Lesson Objective:

CHECKRIDE PREP

During this lesson, the student will complete any flight tasks deemed necessary for checkride prep. All flight tasks must be graded as a "3" or above in order to be considered "checkride ready."

Flight Tasks:

• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4
• _____	1	2	3	4	• _____	1	2	3	4

Required Study:

Quizzes:

Student Signature: _____ Instructor Signature: _____

This syllabus is designed to be used as a basic template for training.
All flight tasks and ground lessons are laid out in the order of a standard training profile.
Some students may need elements to be adjusted or changed to fit their personal learning style.
Not only is changing or deviating from this syllabus allowed, it's encouraged!



Beyond Learning

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