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 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 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:

- ____ Intro to dispatch procedures
- ____ Intro to IMSAFE briefing
- ____ Intro to certificates and documents
- ____ Intro to preflight procedures
- ____ Intro to checklist usage
- ____ Intro to passenger briefing
- ____ Intro to engine controls
- ____ Intro to flight controls
- ____ Intro to taxiing
- ____ Intro to collision avoidance
- ____ Intro to normal takeoff and climb
- ____ Intro to traffic pattern operations
- ____ Intro to climbs, descents, and level off
- ____ Intro to straight and level flight
- ____ Intro to the four fundamentals of flight
- ____ Intro to shallow banked turns
- ____ Intro to normal approach and landing
- ____ Intro to after landing procedures
- ____ 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 runway incursion avoidance
____ Intro to aircraft light usage
____ Intro to airport, runway, & taxi markings
____ Intro to airport, runway, & taxi lights
____ Intro to practice area operations
____ Intro to static and dynamic stability
____ Intro to airspeed transitions
____ Intro to constant airspeed climbs
____ Intro to constant airspeed descents
____ Intro to constant rate climbs
____ Intro to constant rate descents

Flight Tasks:

• Radio communication	1 2 3 4
• Collision avoidance	1 2 3 4
• Traffic pattern operation	1 2 3 4
• Taxiing	1 2 3 4
• Climbs to altitude	1 2 3 4
• Descents to altitude	1 2 3 4

Required Study:

_____ Section 1: Aerodynamics 101 *[ACS Reference: PA.I.F.K6]*
_____ 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.V.A]*

Quizzes:

_____% Conventional Airplane Instruments
_____% The Magnetic Compass
_____% Transponders
_____% 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
_____% Pilot Regulations - Misc.
_____% Performance Charts

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.V.B]*
_____ 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
_____% Calculating Crosswind Components
_____% Pilot Regulations - Part 61
_____% 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 2 - Class B, C, and D
_____% NAS Part 3 - Special Use Airspace

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
- Aircraft start up and taxi 1 2 3 4
- Run up 1 2 3 4
- Radio operations 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
- Normal landing to full stop 1 2 3 4
- Aircraft shutdown 1 2 3 4
- Aircraft securing 1 2 3 4
- Checklist usage 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
_____% Cross-Country Flight Planning
_____% Weather Charts for Pilots
_____% 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
_____% METARs, TAFs, & PIREPs
_____% Aeronautical Decision Making
_____% 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
_____% Aeromedical Factors
_____% Atmospheric Instability
_____% 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
- Constant speed/rate climb 1 2 3 4
- Short-field takeoff and climb 1 2 3 4
- Soft-field takeoff and climb 1 2 3 4
- Normal approach and landing 1 2 3 4
- Short-field approach and landing 1 2 3 4
- Soft-field approach and landing 1 2 3 4
- Maneuvering during slow flight 1 2 3 4
- Power-off stalls 1 2 3 4
- Power-on stalls 1 2 3 4
- Traffic pattern operations 1 2 3 4
- Crosswind takeoffs 1 2 3 4
- Crosswind landings 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!

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