AERO ATLANTA FLIGHT CENTER

PRIVATE PILOT

FLIGHT TRAINING SYLLABUS

Student:
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**Home Study**  
**GL- Ground Lesson**  
**ML- Maneuver Lesson**  
**FL- Flight Lesson**
Stage 1

Lessons 1-8

Pre-Solo
Lesson 1 – Preflight & Four Fundamentals - Dual

Objective
The student will become familiar with preflight inspection, checklists, use of flight controls and their effect on taxiing and in-flight. Introduce the four basic maneuvers (climbs, descents, turns, straight-and-level).

Grade
S _____ IMSAFE Checklist
S _____ Preflight inspection and examination of documents
S _____ Controls: their effect on the ground and in the air
S _____ Positive exchange of flight controls
S _____ Starting procedures
S _____ Taxi
S _____ Pre-takeoff check
S _____ Individual control functions and effect
S _____ Climbs
S _____ Turns
S _____ Descents
S _____ Trimming the aircraft
S _____ Collision avoidance
S _____ Checklist Usage
S _____ After landing procedures and securing aircraft

Completion Standards: Altitude ±200 feet, Airspeed ±20 knots, Heading ±20 degrees

NOTES:

Study Assignment for Next Lesson:
GL02, GL03, FL01, GL04, ML01, ML02 ML03, ML04 And all associated exams

Lesson Completed Date________________________

Ground Time_______ Flight Time___________ Takeoffs/Landings__________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 2- Four Fundamentals and Basic Maneuvers - Dual

Objective
The student will become familiar with preflight inspection, checklists, use of flight controls and their effect on taxiing and in-flight. Continue working on the four basic maneuvers (climbs, descents, turns, straight-and-level).

Grade

| S   |   | IMSAFE Checklist |
| S   |   | Radio communications |
| S   |   | Airplane servicing and inspections |
| S   |   | Positive exchange of flight controls |
| S   |   | Starting procedures |
| S   |   | Taxi |
| S   |   | Pre-takeoff check |
| S   |   | Individual control functions and effect |
| S   |   | Four Fundamentals |
| S   |   | Medium banked turns |
| S   |   | Collision avoidance |
| S   |   | Checklist Usage |
| S   |   | After landing procedures and securing aircraft |
| S   |   | Normal Approach and landing |
| S   |   | Outline practice area |

Completion Standards: Altitude ±200 feet, Airspeed ±20 knots, Heading ±20 degrees

NOTES:

Study Assignment for Next Lesson:

GL07, GL08, GL09, ML05, ML06, ML07, and all associated exams

Lesson Completed Date________________

Lesson Completed [ ]

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 3 – Introduction to Slow Flight and Power Off/Arrival Stalls - Dual

Objective
The student will become familiar with slow flight, power off stalls and in-flight emergencies. The student will be able to recognize an approaching stall.

Grade

| S ____   ____     | Airworthiness requirements          |
| S ____   ____     | Minimum required equipment for VFR   |
| S ____   ____     | Positive exchange of flight controls |
| S ____   ____     | Spin awareness and recovery          |
| S ____   ____     | Starting procedures                  |
| S ____   ____     | Taxi                                  |
| S ____   ____     | Pre-takeoff check                     |
| S __________      | Individual control functions and effect |
| S ______          | Four fundamentals                     |
| S ______          | Radio communications                  |
| S ______          | Power off/arrival stall introduction  |
| S ______          | Slow flight introduction              |
| S ______          | Trimming the aircraft                 |
| S ______          | Collision avoidance                    |
| S ______          | Checklist usage                       |
| S ______          | Normal approach and landing           |
| S ______          | After landing procedures and securing aircraft |

Completion Standards: Altitude ±200 feet, Airspeed ±20 knots, Heading ±20 degrees

NOTES:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Study Assignment for Next Lesson:

GL05, GL10, ML11, ML12, FL02, FL03, FL06 and all associated exams

Lesson Completed Date________________

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

________________________________________________________________________

Student Signature Printed

________________________________________________________________________

CFI Signature, Num, and Exp. Printed
Lesson 4 – Power-On/Departure Stalls, Steep Turns and Emergency Procedures - Dual

Objective
The student will become familiar with preflight inspection, checklists, use of flight controls and their effect on taxiing and in-flight. Introduce the four basic maneuvers (climbs, descents, turns, straight-and-level).

Grade
S  ____  ____  Sectional chart introduction
S  ____  ____  Radio communications
S  ____  ____  Power on/departure stalls
S  ____  ____  Demonstration stalls
S  ____  ____  Slow flight
S  ____  ____  Steep turns
S  ____  ____  Power off/arrival stall
S  ____  ____  In flight emergencies
S  ____  ____  Engine roughness/failure procedures
S  ____  ____  Ditching procedure
S  ____  ____  Normal approach and low approaches
S  ____  ____  After landing procedures and securing aircraft

Completion Standards:  Altitude ±200 feet, Airspeed ±20 knots, Heading ±20 degrees

NOTES:

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Study Assignment for Next Lesson:

GL15, ML09, ML10, FL05, ML13, ML14

Lesson Completed Date________________

Ground Time____________Flight Time____________Takeoffs/Landings__________

______________________________________________________________

Student Signature Printed

______________________________________________________________

CFI Signature, Num, and Exp.  Printed
Lesson 5 – Ground Reference Maneuvers, Stalls - Dual

Objective
The student will become familiar with ground reference maneuvers, dividing attention and developing coordination.

Grade

| S    | Radio communications |
| S    | Power off/arrival stalls |
| S    | Power on/departure stalls |
| S    | Turns around a point |
| S    | Rectangular course |
| S    | S-turns across a road |
| S    | Introduction to landings |
| S    | Action of flaps |
| S    | In flight emergencies |
| S    | Engine failure/ditching procedures |
| S    | Normal approach and landings |
| S    | After landing procedures and securing aircraft |

Completion Standards: Altitude ±150 feet, Airspeed ±10 knots, Heading ±15 degrees

NOTES:

Study Assignment for Next Lesson:

GL11, GL12, GL13

Lesson Completed Date___________

Ground Time_________Flight Time_________Takeoffs/Landings_________

Student Signature Printed

Lesson Completed [ ]

CFI Signature, Num, and Exp. Printed
Lesson 6 – Airport Operations, Traffic Patterns and Landings - Dual

Objective
The student will become familiar with ground reference maneuvers, dividing attention and developing coordination.

Grade
S _____ _____ Radio communications
S _____ _____ Aborted takeoff
S _____ _____ Slow flight and stalls
S _____ _____ Power on/departure stalls
S _____ _____ Turns around a point
S _____ _____ Rectangular course
S _____ _____ S-turns across a road
S _____ _____ Introduction to landings
S _____ _____ Normal approach and landing
S _____ _____ Go arounds
S _____ _____ After landing procedures and securing aircraft

Completion Standards: Altitude ±100 feet, Airspeed ±10 knots

NOTES:

Study Assignment for Next Lesson:

GL16, FL07, ML15 and all associated exams

Lesson Completed Date________________

Lesson Completed

Ground Time____________ Flight Time____________ Takeoffs/Landings__________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 7 – Critical Flight Situations and Landings - Dual

Objective
The student will become more proficient in recognition and recovery from critical flight situations and become familiar with traffic pattern operations and landings

Grade
S _____ Radio communications
S _____ Aborted takeoffs
S _____ Emergency Landings
S _____ Crosswind takeoffs and landings
S _____ Forward slips to landing
S _____ Go arounds
S _____ Wake turbulence avoidance
S _____ Wind shear recognition and avoidance
S _____ Reduced flap/no flap landings
S _____ Normal approach and landing

Completion Standards: Altitude ±100 feet, Airspeed ±10 knots, Minimal assistance with takeoffs and landings

NOTES:

Study Assignment for Next Lesson:
GL20, FL08, Stage 1 Exam and all associated exams

Lesson Completed Date________________

Ground Time____________Flight Time____________Takeoffs/Landings____________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 8 - Landings and Pre-Solo Written Exam - Dual

Objective
The student will become more proficient with traffic patterns, takeoffs and landings

Grade

<table>
<thead>
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<td>Go arounds</td>
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<td></td>
<td>Wind shear recognition and avoidance</td>
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<td>Normal approach and landing</td>
</tr>
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</table>

Completion Standards: Altitude ±100 feet, Airspeed ±5 knots, unassisted takeoffs and landings

NOTES:

Study Assignment for Next Lesson:
Pre-solo written exam, FL09, FL10, FL11

Lesson Completed Date________________________

Lesson Completed

Ground Time____________ Flight Time____________ Takeoffs/Landings____________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Stage 2

Lessons 9-21

Night, BAI & Cross Country
Lesson 9- Pre-Solo Progress Check - Dual

Objective
The student will perform the required tasks and maneuvers unassisted while being evaluated by the instructor.

Grade

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<th>S</th>
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<td>Slow flight and stalls</td>
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<td>S</td>
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<td>S</td>
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<td>After landing procedures</td>
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<tr>
<td>S</td>
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<td>Securing aircraft and post-flight procedures</td>
</tr>
</tbody>
</table>

Completion Standards: Altitude ±100 feet, Airspeed ±5 knots, Heading ±10 degrees, unassisted takeoffs and landings

NOTES:

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Study Assignment for Next Lesson:
Review ML05, ML06, ML07, ML09

Lesson Completed Date_________________________

Lesson Completed [ ]

Ground Time__________Flight Time__________Takeoffs/Landings__________

__________________________________________________________________________

Student Signature Printed

__________________________________________________________________________

CFI Signature, Num, and Exp. Printed
Lesson 10- Practice in the Pattern – Dual and Solo

Objective
The student will gain further proficiency in takeoffs and landings and complete 3 solo full stop taxi-back landings

Grade
S ____ ____ Takeoffs and landings
S ____ ____ Go arounds
S ____ ____ Crosswind takeoffs and landings
S ____ ____ Solo takeoffs and landings

Completion Standards: Altitude ±100 feet, Airspeed ±5 knots, Heading ±10 degrees, unassisted takeoffs and landings

NOTES:

Study Assignment for Next Lesson:
Review ML10, ML11, ML12, FL06

Lesson Completed Date________________

Lesson Completed

Ground Time____________Flight Time____________ Takeoffs/Landings____________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Endorsement – Initial Solo

I certify that (first name, MI, last name) ____________________________ has satisfactorily completed the pre-solo knowledge examination as required by 14 CFR §61.87(b), and has received the required pre-solo training for the (make and model aircraft) ____________________________ . I have determined he/she has demonstrated the proficiency required in §61.87(d) and is proficient to make solo flights in (make and model aircraft) ____________________________ .

Date  Instructor’s Signature  Certificate No.  Exp. Date

Instructor Note:  Endorse student pilot certificate and logbook.

Regulations limit this endorsement to 90 days. At the end of 90 days the student must pass a flight check by a certified flight instructor who so endorses the student’s logbook.

§ 61.83 Eligibility requirements for student pilots.

To be eligible for a student pilot certificate, an applicant must:

(a) Be at least 16 years of age for other than the operation of a glider or balloon.
(b) Be at least 14 years of age for the operation of a glider or balloon.
(c) Be able to read, speak, write, and understand the English language. If the applicant is unable to meet one of these requirements due to medical reasons, then the Administrator may place such operating limitations on that applicant’s pilot certificate as are necessary for the safe operation of the aircraft.

§ 61.85 Application.

An application for a student pilot certificate is made on a form and in a manner provided by the Administrator and is submitted to:

(a) A designated aviation medical examiner if applying for an FAA medical certificate under part 67 of this chapter;
(b) An examiner; or
(c) A Flight Standards District Office.

§ 61.87 Solo requirements for student pilots.

(a) General. A student pilot may not operate an aircraft in solo flight unless that student has met the requirements of this section. The term “solo flight” as used in this subpart means that flight time during which a student pilot is the sole occupant of the aircraft or that flight time during which the student performs the duties of a pilot in command of a gas balloon or an airship requiring more than one pilot flight crewmember.

(b) Aeronautical knowledge. A student pilot must demonstrate satisfactory aeronautical knowledge on a knowledge test that meets the requirements of this paragraph:

(1) The test must address the student pilot's knowledge of—
   (i) Applicable sections of parts 61 and 91 of this chapter;
   (ii) Airspace rules and procedures for the airport where the solo flight will be performed; and

(iii) Flight characteristics and operational limitations for the make and model of aircraft to be flown.

(2) The student's authorized instructor must—
   (i) Administer the test; and
   (ii) At the conclusion of the test, review all incorrect answers with the student before authorizing that student to
conduct a solo flight.

(c) Pre-solo flight training. Prior to conducting a solo flight, a student pilot must have:
(1) Received and logged flight training for the maneuvers and procedures of this section that are appropriate to the make and model of aircraft to be flown; and
(2) Demonstrated satisfactory proficiency and safety, as judged by an authorized instructor, on the maneuvers and procedures required by this section in the make and model of aircraft or similar make and model of aircraft to be flown.

(d) Maneuvers and procedures for pre-solo flight training in a single-engine airplane. A student pilot who is receiving training for a single-engine airplane rating or privileges must receive and log flight training for the following maneuvers and procedures:

(1) Proper flight preparation procedures, including preflight planning and preparation, powerplant operation, and aircraft systems;

(2) Taxiing or surface operations, including runups;

(3) Takeoffs and landings, including normal and crosswind;

(4) Straight and level flight, and turns in both directions;

(5) Climbs and climbing turns;

(6) Airport traffic patterns, including entry and departure procedures;

(7) Collision avoidance, windshear avoidance, and wake turbulence avoidance;

(8) Descents, with and without turns, using high and low drag configurations;

(9) Flight at various airspeeds from cruise to slow flight;

(10) Stall entries from various flight attitudes and power combinations with recovery initiated at the first indication of a stall, and recovery from a full stall;

(11) Emergency procedures and equipment malfunctions;

(12) Ground reference maneuvers;

(13) Approaches to a landing area with simulated engine malfunctions;

(14) Slips to a landing; and

(15) Go-arounds.
Lesson 11 - Practice in Traffic Pattern – Dual and Solo

Objective
The student will continue to gain proficiency in the traffic pattern

Grade
S _______ Normal takeoffs and landings
S _______ Crosswind takeoffs and landings
S _______ Slips to landing
S _______ Go-arounds
S _______ Aborted takeoffs
S _______ Solo flight in traffic pattern

Completion Standards: Altitude ±100 feet, Airspeed ±5 knots, Heading ±10 degrees, unassisted takeoffs and landings

NOTES:

Study Assignment for Next Lesson:
GL25, GL26, GL27, ML16, FL12 and all associated exams

Lesson Completed Date________________

Ground Time_________Flight Time_________Takeoffs/Landings_________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 12 - Performance Takeoffs and Landings – Dual

Objective
The student will gain an understanding of performance takeoffs and landings

Grade
S _____ _____ Short field approach and landing
S _____ _____ Soft field approach and landing
S _____ _____ Short field takeoff
S _____ _____ Soft field takeoff
S _____ _____ Aborted takeoffs

Completion Standards: Airspeed ±3 knots, landing on centerline within 400 feet of desired touchdown spot on short field, smooth touch downs on soft field

NOTES:

Study Assignment for Next Lesson:
GL06, GL14, ML08, FL04 and all associated exams

Lesson Completed Date________________

Lesson Completed

Ground Time_________Flight Time_________Takeoffs/Landings_________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 13 - Basic Attitude Instrument Flight – Dual

Objective
The student will gain an understanding of flight by reference to instruments, instrument scan, VOR tracking and VFR into IMC scenarios

Grade

S _____ _____ Instrument scan
S _____ _____ Straight and level flight
S _____ _____ Constant airspeed climbs and descents
S _____ _____ Constant rate climbs and descents
S _____ _____ Standard rate turns
S _____ _____ Unusual attitudes
S _____ _____ Timed turns to headings
S _____ _____ VOR intercepting and tracking

Completion Standards: Altitude ±250 feet, airspeed ±10 knots, heading ±20 degrees, proper scan pattern

NOTES:

Study Assignment for Next Lesson:

GL29, GL30, GL31 and all associated exams

Lesson Completed Date________________

Ground Time____________Flight Time____________Takeoffs/Landings____________

Lesson Completed

Student Signature

Printed

CFI Signature, Num, and Exp.

Printed
Lesson 14 - Basic Attitude Instrument Review, Maneuvers, Navigation and Solo - Dual and Solo

Objective
The student will gain an understanding of flight by reference to instruments, instrument scan, VOR tracking and continue practicing flight maneuvers

Grade
S ______ Instrument scan
S ______ BAI flight
S ______ VOR tracking and intercepting
S ______ GPS introduction and setup
S ______ Practice area review
S ______ Slow flight
S ______ Power on and off stalls
S ______ Steep turns
S ______ Solo flight to practice area

Completion Standards: Altitude ±200 feet, airspeed ±10 knots, heading ±10 degrees, proper scan pattern

NOTES:

Study Assignment for Next Lesson:
GL17, GL18, GL19, FL13 and all associated exams

Lesson Completed Date________________

Ground Time____________ Flight Time____________ Takeoffs/Landings____________

Student Signature ___________________ Printed ___________________

CFI Signature, Num, and Exp. __________________ Printed ___________________
Lesson 15 - Maneuvers Proficiency - Solo

Objective
The student will continue to gain proficiency by conducting a solo flight to the practice area to conduct maneuvers.

**Grade**
- S _____ _____ Slow flight
- S _____ _____ Steep turns
- S _____ _____ Power off stalls
- S _____ _____ Power on stalls
- S _____ _____ Turns around a point
- S _____ _____ Normal takeoffs and landings

**Completion Standards:** Altitude ±200 feet, airspeed ±10 knots, heading ±10 degrees, stabilized approach and landings

**NOTES:**

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**Study Assignment for Next Lesson:**
- GL21, GL22, GL28, FL14, FL15 and all associated exams

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Lesson Completed Date________________

Ground Time____________Flight Time____________Takeoffs/Landings__________

Lesson Completed [ ]

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 16 - Navigation and Maneuvers - Dual

**Objective**
The student will continue to gain understanding of navigation systems and facilities and practice maneuvers.

**Grade**
- Instrument scan
- BAI flight
- Unusual attitude recoveries
- VOR tracking and intercepting
- GPS tracking and flight plan input
- Ground reference maneuvers
- Slow flight
- Power on and off stalls
- Steep turns

**Completion Standards:** Altitude ±200 feet (IR), ±100 feet (VR), airspeed ±5 knots, heading ±10 degrees, proper scan pattern

**NOTES:**

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**Study Assignment for Next Lesson:**
GL23, GL24, ML17, FL17 and all associated exams

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**Lesson Completed Date**

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**Ground Time**

**Flight Time**

**Takeoffs/Landings**

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**Student Signature**

**Printed**

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**CFI Signature, Num, and Exp.**

**Printed**
Lesson 17 - Night Operations - Dual

Objective
The student will be introduced to night operations and gain night experience. The flight should begin close to sunset to allow student to adapt to night flight.

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<td>Aeromedical factors related to night</td>
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<td>Night emergencies</td>
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<td>Takeoffs and landings</td>
</tr>
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</table>

Completion Standards: Altitude ±200, airspeed ±10 knots, heading ±10 degrees, proper scan pattern

NOTES:

Study Assignment for Next Lesson:
GL34, GL35, FL16, FL18, FL20, FL21 and all associated exams

Lesson Completed Date________________

Lesson Completed [ ]

Ground Time__________ Flight Time__________ Takeoffs/Landings__________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 18 - Cross Country - Dual

Objective
The student will acquire an understanding of cross country flight using dead reckoning, pilotage and radio navigation. Approved cross country legs: RYY-AHN, RYY-GAD, RYY-CHA and return.

Grade
S _____ _____ Performance and limitations
S _____ _____ Course plotting
S _____ _____ Flight log and preflight planning
S _____ _____ Weather briefing
S _____ _____ Flight plan filing or traffic advisories
S _____ _____ Use of flight computer
S _____ _____ Cross country flight
S _____ _____ Use of navigation log
S _____ _____ Radio communications
S _____ _____ Diversion
S _____ _____ Lost procedures

Completion Standards: Altitude ±200 feet, airspeed ±10 knots, heading ±10 degrees

NOTES:

Study Assignment for Next Lesson:
GL32, GL33 and all associated exams. Stage 2 Exam

Lesson Completed Date________________

Lesson Completed □

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 19 - Night Cross Country - Dual

Objective
The student will gain additional night and cross country experience. Approved cross country legs: 
RYY-AHN, RYY-CHA, RYY-LGC

Grade
S ______ Performance and limitations
S ______ Course plotting
S ______ Flight log and preflight planning
S ______ Weather briefing
S ______ Flight plan filing or traffic advisories
S ______ Use of flight computer
S ______ Cross country flight
S ______ Use of navigation log
S ______ Radio communications

Completion Standards: Altitude ±200 feet, airspeed ±10 knots, heading ±10 degrees

NOTES:

Study Assignment for Next Lesson:
Review GL26, GL27, GL28

Lesson Completed Date________________

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 20 - Cross Country - Dual

Objective
The student will acquire an understanding of cross country flight using dead reckoning, pilotage and radio navigation. Approved cross country legs: RYY-AHN, RYY-GAD, RYY-CHA and return.

Grade
S _____ _____ Performance and limitations
S _____ _____ Course plotting
S _____ _____ Flight log and preflight planning
S _____ _____ Weather briefing
S _____ _____ Flight plan filing or traffic advisories
S _____ _____ Use of flight computer
S _____ _____ Cross country flight
S _____ _____ Use of navigation log
S _____ _____ Radio communications
S _____ _____ Diversion
S _____ _____ Lost procedures

Completion Standards: Altitude ±200 feet, airspeed ±10 knots, heading ±10 degrees

NOTES:

Study Assignment for Next Lesson:
FL22, FL23, Stage 3 Exam

Lesson Completed Date________________

Ground Time__________ Flight Time__________ Takeoffs/Landings__________

Student Signature Printed

Lesson Completed [ ]

CFI Signature, Num, and Exp. Printed
Stage 3

Lessons 21-27

Solo Cross Country & Flight Test Preparation
§ 61.93 Solo cross-country flight requirements.

(a) General.

(1) Except as provided in paragraph (b) of this section, a student pilot must meet the requirements of this section before—
   (i) Conducting a solo cross-country flight, or any flight greater than 25 nautical miles from the airport from where the flight originated.
   (ii) Making a solo flight and landing at any location other than the airport of origination.

(2) Except as provided in paragraph (b) of this section, a student pilot who seeks solo cross-country flight privileges must:
   (i) Have received flight training from an instructor authorized to provide flight training on the maneuvers and procedures of this section that are appropriate to the make and model of aircraft for which solo cross-country privileges are sought;
   (ii) Have demonstrated cross-country proficiency on the appropriate maneuvers and procedures of this section to an authorized instructor;
   (iii) Have satisfactorily accomplished the pre-solo flight maneuvers and procedures required by §61.87 of this part in the make and model of aircraft or similar make and model of aircraft for which solo cross-country privileges are sought; and
   (iv) Comply with any limitations included in the authorized instructor's endorsement that are required by paragraph (c) of this section.

(3) A student pilot who seeks solo cross-country flight privileges must have received ground and flight training from an authorized instructor on the cross-country maneuvers and procedures listed in this section that are appropriate to the aircraft to be flown.

(b) Authorization to perform certain solo flights and cross-country flights. A student pilot must obtain an endorsement from an authorized instructor to make solo flights from the airport where the student pilot normally receives training to another location. A student pilot who receives this endorsement must comply with the requirements of this paragraph.

   (1) Solo flights may be made to another airport that is within 25 nautical miles from the airport where the student pilot normally receives training, provided—
      (i) An authorized instructor has given the student pilot flight training at the other airport, and that training includes flight in both directions over the route, entering and exiting the traffic pattern, and takeoffs and landings at the other airport;
      (ii) The authorized instructor who gave the training endorses the student pilot's logbook authorizing the flight;
      (iii) The student pilot has a solo flight endorsement in accordance with §61.87 of this part;
      (iv) The authorized instructor has determined that the student pilot is proficient to make the flight; and
      (v) The purpose of the flight is to practice takeoffs and landings at that other airport.

   (2) Repeated specific solo cross-country flights may be made to another airport that is within 50 nautical miles of the airport from which the flight originated, provided—
      (i) The authorized instructor has given the student pilot flight training in both directions over the route, including entering and exiting the traffic patterns, takeoffs, and landings at the airports to be used;
      (ii) The authorized instructor who gave the training has endorsed the student's logbook certifying that the student is proficient to make such flights;
      (iii) The student has a solo flight endorsement in accordance with §61.87 of this part; and
      (iv) The student has a solo cross country flight endorsement in accordance with paragraph (c) of this section; however, for repeated solo cross country flights to another airport within 50 nautical miles from which the flight originated, separate endorsements are not required to be made for each flight.

(c) Endorsements for solo cross-country flights. Except as specified in paragraph (b)(2) of this section, a student pilot must have the endorsements prescribed in this paragraph for each cross-country flight:

   (1) Student pilot certificate endorsement. A student pilot must have a solo cross-country endorsement from the authorized instructor who conducted the training, and that endorsement must be placed on that person's student pilot certificate for the specific category of aircraft to be flown.

   (2) Logbook endorsement. (i) A student pilot must have a solo cross-country endorsement from an authorized instructor that is placed in the student pilot's logbook for the specific make and model of aircraft to be flown.
      (ii) For each cross-country flight, the authorized instructor who reviews the cross-country planning must make an
endorsement in the person's logbook after reviewing that person's cross-country planning, as specified in paragraph (d) of this section. The endorsement must—
(A) Specify the make and model of aircraft to be flown;
(B) State that the student's preflight planning and preparation is correct and that the student is prepared to make the flight safely under the known conditions; and
(C) State that any limitations required by the student's authorized instructor are met.
(d) Limitations on authorized instructors to permit solo cross-country flights. An authorized instructor may not permit a student pilot to conduct a solo cross-country flight unless that instructor has:
(1) Determined that the student's cross-country planning is correct for the flight;
(2) Reviewed the current and forecast weather conditions and has determined that the flight can be completed under VFR;
(3) Determined that the student is proficient to conduct the flight safely;
(4) Determined that the student has the appropriate solo cross-country endorsement for the make and model of aircraft to be flown; and
(5) Determined that the student's solo flight endorsement is current for the make and model aircraft to be flown.

(e) Maneuvers and procedures for cross-country flight training in a single-engine airplane. A student pilot who is receiving training for cross-country flight in a single-engine airplane must receive and log flight training in the following maneuvers and procedures:

(1) Use of aeronautical charts for VFR navigation using pilotage and dead reckoning with the aid of a magnetic compass;

(2) Use of aircraft performance charts pertaining to cross-country flight;

(3) Procurement and analysis of aeronautical weather reports and forecasts, including recognition of critical weather situations and estimating visibility while in flight;

(4) Emergency procedures;

(5) Traffic pattern procedures that include area departure, area arrival, entry into the traffic pattern, and approach;

(6) Procedures and operating practices for collision avoidance, wake turbulence precautions, and windshear avoidance;

(7) Recognition, avoidance, and operational restrictions of hazardous terrain features in the geographical area where the cross-country flight will be flown;

(8) Procedures for operating the instruments and equipment installed in the aircraft to be flown, including recognition and use of the proper operational procedures and indications;

(9) Use of radios for VFR navigation and two-way communication, except that a student pilot seeking a sport pilot certificate must only receive and log flight training on the use of radios installed in the aircraft to be flown;

(10) Takeoff, approach, and landing procedures, including short-field, soft-field, and crosswind takeoffs, approaches, and landings;

(11) Climbs at best angle and best rate; and

(12) Control and maneuvering solely by reference to flight instruments, including straight and level flight, turns, descents, climbs, use of radio aids, and ATC directives. For student pilots seeking a sport pilot certificate, the provisions of this paragraph only apply when receiving training for cross-country flight in an airplane that has a \( V_{LO} \) greater than 87 knots CAS.

Endorsement – Second Solo Cross-Country
I certify that (first name, MI, last name) has received the required solo cross-country training. I find that he/she has met the applicable requirements of 14 CFR §61.93 and is proficient to make solo cross country flights in a (make and model aircraft)________________________.

**Endorse Student Pilot Certificate for solo cross country flight**

I have reviewed the cross-country planning of (first name, MI, last name)________________________
I find the planning and preparation to be correct to make the solo flight from (location) ____________
to (destination) ________________ via (route of flight) ________________________________
______________________________
with landings at (name the airports) ____________________________________________
(make and model aircraft) ____________ on (date) ______________.
(List any applicable conditions or limitations)

______________________________

Date ____________________ Instructor's Signature ____________________ Certificate No. ____________ Exp. Date ____________

Instructor Note: Endorse student pilot certificate and logbook.

*All students must take Private Pilot Written Test before conducting solo cross country flights.*

*I certify that (First name, MI, Last name) has received the required training in accordance with section 61.105. I have determined he/she is prepared for the (name the knowledge test).*

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-05
Lesson 21 - Solo Cross Country

Objective
The student will continue to develop proficiency in cross country and navigation skills by flying a solo cross country flight. Approved airports: AHN, CZL, JZP, PYP, GAD, CHA, CSG, CTJ, LGC, RMG, PUJ (must have previously been to CHA to use)

Grade
S ____ ____ Preparation of course
S ____ ____ Preparation of flight log
S ____ ____ Preparation of nav log
S ____ ____ Weather briefing
S ____ ____ Solo cross country flight

Completion Standards: Altitude ±200 feet, airspeed ±10 knots, heading ±10 degrees

NOTES:

Study Assignment for Next Lesson:
FL24, FL25, FL26, FL27

Lesson Completed Date________________

Ground Time____________Flight Time____________Takeoffs/Landings__________

Student Signature Printed

Lesson Completed

CFI Signature, Num, and Exp. Printed
Lesson 22 – Progress Check - Dual

Objective
The student will acquire an understanding of cross country flight using dead reckoning, pilotage and radio navigation. Approved cross country legs: RYY-AHN, RYY-GAD, RYY-CHA and return.

Grade
S ______ Navigation
S ______ Course plotting
S ______ Flight log and preflight planning
S ______ Weather briefing
S ______ Maneuvers at discretion of instructor
S ______ Use of flight computer
S ______ Landings at discretion of instructor
S ______ Radio communications
S ______ Airspace
S ______ Cross country limitations for students

Completion Standards: Altitude ±100 feet, airspeed ±10 knots, heading ±10 degrees

NOTES: _____________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

Study Assignment for Next Lesson:
End of Course Exam

Lesson Completed Date________________________

Lesson Completed

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

_____________________________________________________________________

Student Signature Printed

_____________________________________________________________________

CFI Signature, Num, and Exp. Printed
Lesson 23 - Solo Cross Country

Objective
The student will continue to develop proficiency in cross country and navigation skills by conducting a cross country flight of at least 150 NM with stops at a minimum of 2 airports. Approved legs: AHN, CZL, JZP, PYP, GAD, CHA, CSG, CTJ, LGC, RMG, PUJ (must have previously been to CHA to use)

Grade
S ____ ____ Preparation of course
S ____ ____ Preparation of flight log
S ____ ____ Preparation of nav log
S ____ ____ Weather briefing
S ____ ____ Solo cross country flight

Completion Standards: Altitude ±100 feet, airspeed ±10 knots, heading ±10 degrees

NOTES:

Study Assignment for Next Lesson:

Lesson Completed Date____________

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 24 – Maneuvers Review - Dual

Objective
The student will become more proficient in required maneuvers.

Grade
S _____ _____ Slow flight
S _____ _____ Steep turns
S _____ _____ Stalls- Power on/off
S _____ _____ Turns around a point
S _____ _____ S-turns
S _____ _____ BAI
S _____ _____ Emergency landings
S _____ _____ Short field takeoffs and landings
S _____ _____ Soft field takeoffs and landings
S _____ _____ Crosswind takeoffs and landings

Completion Standards: All maneuvers meet PTS standards.

NOTES:

__________________________________________
__________________________________________
__________________________________________
__________________________________________

Study Assignment for Next Lesson:

__________________________________________

Lesson Completed Date _______________

Ground Time ___________ Flight Time ___________ Takeoffs/Landings ___________

__________________________________________
Student Signature Printed

__________________________________________
CFI Signature, Num, and Exp. Printed
Lesson 25 – Maneuvers Practice – Solo

Objective
The student will complete solo requirement as well as practice maneuvers required for practical test.

Grade

| S  | ______ | Slow flight          |
| S  | ______ | Steep turns          |
| S  | ______ | Stalls- Power on/off |
| S  | ______ | Turns around a point |
| S  | ______ | S-turns              |
| S  | ______ | Short field takeoffs and landings |
| S  | ______ | Soft field takeoffs and landings |
| S  | ______ | Crosswind takeoffs and landings |

Completion Standards: All maneuvers meet PTS standards.

NOTES:

Study Assignment for Next Lesson:

Lesson Completed Date________________

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

Student Signature Printed

Lesson Completed □

CFI Signature, Num, and Exp. Printed
Lesson 26 – Maneuvers and Practical Test Review - Dual

Objective
The student will become more proficient in required maneuvers.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Maneuver</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Spin awareness</td>
</tr>
<tr>
<td>S</td>
<td>Slow flight</td>
</tr>
<tr>
<td>S</td>
<td>Stalls- Power on/off</td>
</tr>
<tr>
<td>S</td>
<td>Steep turns</td>
</tr>
<tr>
<td>S</td>
<td>Turns around a point</td>
</tr>
<tr>
<td>S</td>
<td>S-turns</td>
</tr>
<tr>
<td>S</td>
<td>BAI</td>
</tr>
<tr>
<td>S</td>
<td>Unusual attitudes</td>
</tr>
<tr>
<td>S</td>
<td>Emergency landings</td>
</tr>
<tr>
<td>S</td>
<td>Short field takeoffs and landings</td>
</tr>
<tr>
<td>S</td>
<td>Soft field takeoffs and landings</td>
</tr>
<tr>
<td>S</td>
<td>Crosswind takeoffs and landings</td>
</tr>
<tr>
<td>S</td>
<td>Forward slips to land</td>
</tr>
</tbody>
</table>

Completion Standards: All maneuvers meet PTS standards.

NOTES:

Study Assignment for Next Lesson:

Lesson Completed Date________________________

Ground Time ___________ Flight Time ___________ Takeoffs/Landings ___________

Student Signature Printed

CFI Signature, Num, and Exp. Printed
Lesson 27 –Final Progress Check - Dual

Objective
The student will fly a simulated flight test for the instructor.

Grade

S ______ Weather briefing
S ______ Weight and balance
S ______ Aircraft requirements- logs & certificates
S ______ Cockpit management
S ______ Flight plan and nav log
S ______ All required PTS maneuvers
S ______ Emergency procedures

Completion Standards: The student will demonstrate proficiency to pass the oral and flight test for the private pilot practical test.

NOTES:

____________________________________________________

____________________________________________________

____________________________________________________

____________________________________________________

Study Assignment for Next Lesson:

____________________________________________________

Lesson Completed Date_____________________

Ground Time_________ Flight Time_________ Takeoffs/Landings_________

____________________________________________________

Student Signature Printed

____________________________________________________

CFI Signature, Num, and Exp. Printed

Lesson Completed
Practical Test Required Endorsements

I certify that (First name, MI, Last name) has received the required training in accordance with sections 61.107 and 61.109. I have determined he/she is prepared for the (name the practical test).

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-05

I certify that (First name, MI, Last name) has received training time required within the preceding 2 calendar months in preparation for the (Name of test) (category and class) practical test and find him/her prepared for that test. (if knowledge test is required and applicant has achieved less than 100%) He/she has demonstrated satisfactory knowledge of the subject areas found deficient on the (Name of Test) aeronautical knowledge test.

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-05
AERO ATLANTA FLIGHT CENTER
PRIVATE PILOT SYLLABUS

Appointment with Examiner:
Examiner’s Name: ________________________
Location: ________________________________
Date & Time: _____________________________

Aircraft Checklist
☐ Aircraft Documents:
  Airworthiness Certificate
  Registration Certificate
  Operating Limitations

☐ Aircraft Maintenance Records:
  Logbook Record of Airworthiness Inspections and AD compliance


Personal Equipment
☐ View Limiting Device
☐ Current Aeronautical Charts
☐ Computer and Plotter
☐ Flight Plan Form/Weight and Balance/Performance Charts
☐ Flight Logs
☐ Current FAR/AIM, Airport Facility Directory, and appropriate publications

Personal Records
☐ Identification – Photo/Signature ID
☐ Pilot Certification
☐ Current and appropriate medical
☐ Completed FAA Form 8710 with instructor’s signature
☐ Written test report
☐ Examiner’s Fee

Rev 3