Private Pilot Flight School Syllabus

Student: ______________________________
Foreword

This syllabus is designed to provide a structured and organized series of stages and lessons to help you obtain the necessary flight experience and prepare for your private pilot check ride. Although not required, it is strongly recommended that you follow the syllabus in its presented order to help keep your learning structured and in logical order. There are four stages to this syllabus, each stage contains lessons designed to present new material, build flight proficiency and meet the objectives of each individual stage. Remember, a lot of it depends on individual study and review of previously learned material.

Study Tips

✓ Prior to the lesson, review the items that will be covered by reading the material related to the lesson, looking up “how to” videos, talk to other pilots etc.…
✓ Before the lesson sit down with your instructor and do pre-flight discussion on the items covered in the lesson
✓ Pay close attention to the items demonstrated during the flight. If you are feeling sick or unable to focus, don’t go flying. Save your money for a good day.
✓ After the flight, do a post flight discussion on the items covered and get all your questions answered. Write down any pointers that the instructor provides to make your learning more efficient.
✓ If you are still unsure about anything, don’t hesitate to bring this up with your instructor, get together with the instructor or give him/her a phone call. We love answering your questions and we want to see you succeed.
✓ Continue to mentally go over the maneuvers or practice them in the simulator. Remember, the better you understand a maneuver or a procedure the easier it is to do it in the aircraft.
✓ Try to fly as often as you can, keep those skills fresh.
Checklist for student pilots

☐ Discovery Flight: Experience the thrill of flight. Find out if this is something you really want to do

☐ Obtain a medical: A minimum 3rd class medical is required for private pilot. See the list of designated examiners in the area. You will need it at the time of Solo but get it as soon as possible!

☐ Obtain a TSA endorsement: Present a valid prof of citizenship

☐ Obtain a student pilot certificate: Can be given by any designated instructor.

Endorsement of U.S. citizenship recommended by the Transportation Security Administration (TSA): Title 49 of the Code of Federal Regulations (49 CFR) § 1552.3(h).

I certify that (First name, MI, Last name) has presented me a [insert type of document presented, such as a U.S. birth certificate or U.S. passport, and the relevant control or sequential number on the document, if any] establishing that [he or she] is a U.S. citizen or national in accordance with 49 CFR § 1552.3(h).

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19
Hour Requirements for Private Pilots: Airplane Single Engine Land

☐ 40 Hours of Flight Time

Dual

☐ 40 Hours of Flight Time
☐ 20 Hours Dual with an Instructor
☐ 3 Hours of Cross-Country Flight Training
☐ 3 Hours of Night Training
☐ One cross-country flight of over 100 nautical miles total distance
☐ 10 takeoffs and 10 landings to a full stop
☐ 3 Hours of Simulated Instrument Time
☐ 3 Hours of Check ride Preparation time within 2 months

Solo

☐ 10 Hours of Solo time
☐ 5 Hours of Cross Country Time
☐ One solo cross country flight of 150 nautical miles total distance, with full-stop landings at three points and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoff and landing locations
☐ Three takeoffs and three landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower
Stage 1

Objective: The student shall be introduced to flying and various maneuvers and familiarize with all aspects of flight to successfully solo the aircraft

- Introduction to maneuvers
- Practice VFR Maneuvers
- Take off and landings
- Emergency operations
- Solo
Lesson 1 (1.0 hours of Dual Flight)

Objective:

For the student to be introduced to and become familiarized with preflight inspections, checklist operations, starting and taxi procedures, and the function and use of the airplane controls.

Content:

- Preflight preparation and preflight procedures to include aircraft documents (certificates and documents, aircraft logbooks, airplane servicing)
- Positive aircraft control
- Positive exchange of flight controls
- Starting procedures
- Taxi
- Control effects on ground and in flight
- Checklist introduction and use
- Normal takeoff
- Four Basics: straight and level, climbs, descents, turns
- Leaning and trimming
- Collision avoidance procedures
- Post flight procedures

Completion Standards:

This lesson is complete when the student can conduct the preflight with minimum assistance, properly use all checklists, start the airplane, taxi, and operate the controls.

Date______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Lesson 2 (1.3 hours of Dual Flight)

Objective:

For student to become proficient with the four basics of flight: straight and level, climbs, turns, and descents; and collision avoidance procedures, Introduction to Slow-flight, takeoffs and landings.

Content:

- Preflight preparation and preflight procedures
- Radio communication
- Starting procedures
- Use of checklists
- Taxi
- Normal takeoff
- Leaning and trimming
- Review Four Basics: straight and level, climbs, descents, turns
- Turns: 90, 180, 360 degrees, and turns to headings
- Climbs and descends to altitudes
- Introduction to Slow-Flight
- Introduction to takeoff and landings (3 or so touch and go’s)
- Post flight procedures

Completion Standards:

This lesson is complete when the student has an understanding of the four basics of flight, and can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module.

Date ______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature ________________________________

Notes:
Lesson 3 (1.3 hours of Dual Flight)

Objective:

For student to become proficient with the four basics of flight, Pre-Flight operations and Radio Communications. Continue practicing Slow-Flight, takeoff and landings. Introduction to Steep Turns.

Content:

- Preflight preparation and preflight procedures
- Radio communication
- Use of checklists
- Taxi
- Normal takeoff
- Practice area
- Four Basics proficiency
- Introduce and practice Steep Turns
- Climbs and descends to altitudes
- Review Slow-Flight (Introduce Stall from Slow Flight)
- takeoff and landings (3 or so touch and go’s)
- Post flight procedures

Completion Standards:

This lesson is complete when the student has an understanding of the four basics of flight, and can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module. Also the student must be proficient in the art of leaning and trimming, post flight operations, be oriented to the practice area and airport, and be familiarized with Slow Flight

Date________________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature_________________________________________________________

Notes:
Lesson 4 (1.4 hours of Dual Flight)

Objective:

For student to become proficient with Slow flight, Steep turns, continue practicing Takeoff and Landings. Also introduce Power-Off and Power-On Stall series.

Content:

- Preflight preparation and preflight procedures
- Radio communication
- Use of checklists
- Steep Turns
- Slow Flight
- Power on Stalls
- Power off Stalls
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module, and be introduced to Power-on and Power-off Stalls

Date_________________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________________________

Notes:
Lesson 5 (1.4 hours of Dual Flight)

Objective:

For student to become proficient with instructor selected maneuvers, continue practicing Takeoff and Landings, be proficient in Power-Off and Power-On Stall series. Introduce engine failure procedures

Content:

- Preflight preparation and preflight procedures
- Instructor selected maneuvers
- Power on Stalls
- Power off Stalls
- Engine failure procedures
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module, and be proficient stall set up and proper stall recovery procedures.

Date_____________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature _____________________________________________

Notes:
Lesson 6 (1.2 hours of Dual Flight)

Objective:

For student to become proficient with instructor selected maneuvers, continue practicing Takeoff and Landings to a proficient standard. **This lesson may be repeated several times if the instructor or student deems necessary.**

Content:

- Preflight preparation and preflight procedures
- Instructor selected maneuvers
- Normal/Crosswind Takeoff and landings
- Approach operations at other airports
- Post flight procedures

Completion Standards:

This lesson is complete when the student can land on the mains, centerline and show positive control of the aircraft during all phases of landing.

Date _______________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ________________________________

Notes:
Lesson 7 (1.4 hours of Dual Flight)

Objective:

For student to become proficient with instructor-selected maneuvers and be introduced to emergencies procedures and review pre-solo operations

Content:

- Preflight preparation and preflight procedures
- Instructor selected maneuvers including stalls
- Emergency engine failure
- Engine instruments
- Electrical failure
- Emergency spot selection
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet,airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module, and be familiar with emergency procedures and emergency checklists.

Date_________________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature_____________________________________________________

Notes:
Lesson 8 (1.4 hours of Dual Flight)

Objective:

For student to become proficient with instructor-selected maneuvers and be introduced to ground maneuvers.

Content:

- Preflight preparation and preflight procedures
- Instructor selected maneuvers including stalls
- Emergency engine failure
- Other emergencies
- Turn around a point
- S-turns
- Rectangular course
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module, and be familiar with ground maneuvers.

Date_______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Lesson 9 (1.2 hours of Dual Flight)

Objective:

For student to become proficient with instructor-selected maneuvers and be introduced to Instrument work.

Content:

- Preflight preparation and preflight procedures
- Instructor selected maneuvers including stalls
- Emergencies
- Instrument Work (.3 Simulated Instrument)
- Optional: Track to VOR
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module, and be familiar with Instrument Procedures.

Date_________________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature______________________________________________

Notes:
Lesson 10 (1.4 hours of Dual Flight)

Objective:

For student to become proficient with instructor-selected maneuvers and begin preparing for Solo operations. This lesson may be repeated several times if the instructor or student deems necessary.

Content:

- Preflight preparation and preflight procedures
- Instructor selected maneuvers including stalls
- Optional: track to VOR
- Emergencies
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module, and show proficiency in Solo Operations.

Date______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Lesson 11 Stage Check (1.4 hours of Dual Flight)

Objective:

For student to become proficient with instructor-selected maneuvers. This Lesson should be flown with a different instructor.

Content:

- Preflight preparation and preflight procedures
- Taxing and airport operations
- Four fundamentals
- Slow-Flight
- Steep Turns
- Power off stalls
- Power on stalls
- Instrument work (.2)
- Emergencies
- Normal Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student receives feedback from a different instructor relating to his Pre-Solo operations and procedures.

Date_____________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Pre-Solo Checklist

☐ Student is at least 16 years of age
☐ Student obtained a valid minimum 3rd class medical
☐ Student holds a government issued photo ID
☐ Student hold a valid Student Pilot Certificate
☐ Student has completed the Pre-Solo knowledge test and the instructor has graded it.

Presolo aeronautical knowledge: § 61.87(b).

I certify that (First name, MI, Last name) has satisfactorily completed the presolo knowledge exam of § 61.87(b) for the (make and model aircraft).

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

Presolo flight training: § 61.87(c).

I certify that (First name, MI, Last name) has received the required presolo training in a (make and model aircraft). I have determined he/she has demonstrated the proficiency of § 61.87(d) and is proficient to make solo flights in that make and model aircraft.

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

Solo takeoffs and landings at another airport within 25 nautical miles (NM): § 61.93(b)(1).

I certify that (First name, MI, Last name) has received the required training of § 61.93(b)(1). I have determined that he/she is proficient to practice solo takeoffs and landings at (airport name). The takeoffs and landings at (airport name) are subject to the following conditions: (List any applicable conditions or limitations.)

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19
Lesson 12 (.8 hours of Dual Flight) (.5 hours of Supervised Solo)

Objective:

For student to successfully Solo the aircraft

Content:

☐ Preflight preparation and preflight procedures
☐ Dual takeoff and landings
☐ Solo takeoff and landings
☐ Post flight procedures

Completion Standards:

This lesson is complete when the student successfully Solo’s the aircraft.

Date_______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Stage 2

Objective: The student shall be proficient in local solo operations

- Practice VFR Maneuvers
- Get comfortable going in and out of the practice area
- Introduction to Short-Field and Soft-Field takeoffs and Landings
Lesson 1 (1.0 hours of Dual Flight)

Objective:

For the student to be introduced to and become familiarized with Short-field and Soft-field takeoff and landings.

Content:

☐ Preflight procedures
☐ Starting procedures
☐ Taxi
☐ Checklist use
☐ Normal takeoff/landing
☐ Short Field takeoff/landing
☐ Soft Field takeoff/landing
☐ Slips to Landing
☐ Post flight procedures

Completion Standards:

This lesson is complete when the student can understand and demonstrate Short-field and Soft-field takeoff and landings.

Date_____________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Lesson 2 (1.4 hours of Solo Flight)

Objective:

For student to become proficient with solo operations and get comfortable going in and out of the airport and the practice area. This lesson may be repeated at students discretion.

Content:

- Preflight preparation and preflight procedures
- Slow Flight
- Practice Power off Stalls
- Practice Power On Stalls
- Steep turns
- Turn around a point
- S-turns
- Rectangular course
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module.

Date_______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Lesson 3 (1.4 hours of Solo Flight)

Objective:

For student to become proficient with solo operations and get comfortable going in and out of the airport and the practice area.

Content:

- Preflight preparation and preflight procedures
- Student selected maneuvers
- Takeoff and landings
- Short field
- Soft Field
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module.

Date _______________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ______________________________

Notes:
Stage 3

Objective: The student shall be proficient in cross-country solo operations

☐ Cross Country Planning and flight
☐ Navigation
☐ Strange Field Approach
☐ Cross Country Solo
☐ Cross Country Emergencies
Lesson 1 (1.8 hours of Dual Flight)

Objective:

For the student to be introduced to and become familiarized with Cross-Country procedures including flight planning, weather, navigation, checkpoint timing and radio procedures to a towered airport

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Lost procedures
- Post flight procedures

Completion Standards:

This lesson is complete when the student can understand the process of cross country planning and navigation to and from an airport that is towered and is at least 50NM away. (KMWH, KLWS)

Date_____________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Lesson 2 (1.8 hours of Dual Flight)

Objective:

For the student to be introduced to and become familiarized with Cross-Country procedures including flight planning, weather, navigation, checkpoint timing and radio procedures to a non-towered airport

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Lost procedures
- Post flight procedures

Completion Standards:

This lesson is complete when the student can understand the process of cross country planning and navigation to and from an airport that is non-towered and is at least 50NM away. (KPUW, 63S)

Date_______________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________________________

Notes:
Lesson 3 (1.5 hours of Dual Flight)

Objective:

For the student to be introduced to continue to develop Cross-Country procedures including flight planning, weather, navigation, checkpoint timing and radio procedures and introduce diversions to alternate and emergency procedures.

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Lost procedures
- Diversion to alternate and emergencies requiring diversions
- Instrument Work (.4)
- Flight plan updates
- Strange field approach
- Post flight procedures

Completion Standards:

This lesson is complete when the student can understand the process of diversion to an alternate, planning and navigation to and from an airport that requires a strange field approach and landing.

Date ___________  Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ________________________________

Notes: 
Lesson 4 (1.5 hours of Dual Flight)

Objective:

For the student to be introduced to continue to develop Cross-Country procedures including flight planning, weather, navigation, checkpoint timing and radio procedures and introduce diversions to alternate and emergency procedures. **This Lesson should be flown with a different instructor.**

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Lost procedures
- Diversion to alternate and emergencies requiring diversions
- Flight plan updates
- Strange field approach
- Post flight procedures

Completion Standards:

This module is complete when the student is competent to conduct solo cross-country operations. Flight must be within 200 feet, 15 degrees, and 10 knots, and coordination maintained at all times. Cross-country operations must be within 5 minutes of ETA and 3 NM of route.

Date ______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Solo cross-country flight: § 61.93(c)(1) and 61.93(c)(2).

I certify that (First name, MI, Last name) has received the required solo cross-country training. I find he/she has met the applicable requirements of § 61.93, and is proficient to make solo cross-country flights in a (make and model aircraft), (aircraft category).

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

Solo cross-country flight: § 61.93(c)(3).  (For EACH 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 (origination airport) to (origination airport) via (route of flight) with landings at (name the airports) in a (make and model aircraft) on (date). (List any applicable conditions or limitations.)

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

Repeated solo cross-country flights not more than 50 NM from the point of departure: § 61.93(b)(2).

I certify that (First name, MI, Last name) has received the required training in both directions between and at both (airport names). I have determined that he/she is proficient of § 61.93(b)(2) to conduct repeated solo cross-country flights over that route, subject to the following conditions: (List any applicable conditions or limitations.)

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

Solo flight (first 90-day period): § 61.87(n).

I certify that (First name, MI, Last name) has received the required training to qualify for solo flying. I have determined he/she meets the applicable requirements of § 61.87(n) and is proficient to make solo flights in (make and model).

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19
Lesson 5 (1.8 hours of Solo Flight)

Objective:

For the student to become proficient in Cross Country flight planning, weather, navigation, checkpoint timing and radio procedures. The flight will be conducted to an airport 50NM or more away.

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Strange field approach/Towered approach
- Post flight procedures

Completion Standards:

Flight should be coordinated and within 200 feet, 15 degrees, 10 knots, at all times, and cross-countries should be flown within 3 NM of the planned route at all times, and arrive at the en route checkpoints and destinations within 5 minutes of the initial or revised ETA.

Date_______________ Overall Grade:  Excellent   Good   Fair   Needs Improvement

Instructor Name/Signature______________________________________________

Notes:
Lesson 6 (1.4 hours of Solo Flight)

Objective:

For student to become proficient with maneuvers and be able to execute them with precision to the ACS standards.

Content:

- Preflight preparation and preflight procedures
- Slow Flight
- Practice Power off Stalls
- Practice Power On Stalls
- Steep turns
- Turn around a point
- S-turns
- Rectangular course
- Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module.

Date_____________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature ____________________________________________

Notes:
Lesson 7 (1.8 hours of Solo Flight)

Objective:

For the student to become proficient in Cross Country flight planning, weather, navigation, checkpoint timing and radio procedures. The flight will be conducted to an airport 50NM or more away.

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Strange field approach/Towered approach
- Post flight procedures

Completion Standards:

Flight should be coordinated and within 200 feet, 15 degrees, 10 knots, at all times, and cross-countries should be flown within 3 NM of the planned route at all times, and arrive at the en route checkpoints and destinations within 5 minutes of the initial or revised ETA.

Date__________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Stage 4:

Objective Skill development and check ride preparation

- Practice VFR Maneuvers for the checkride
- Build Cross-Country time
- Prepare for the checkride
Lesson 1 (1.9 hours of Dual Flight)

Objective:

For student to become proficient with all required maneuvers for the Private Pilot Checkride. Introduce emergency descend.

Content:

- Preflight preparation and preflight procedures
- Taxing and airport operations
- Four fundamentals
- Slow-Flight
- Steep Turns
- Power off stalls
- Power on stalls
- Instrument work and unusual attitudes (.7)
- Emergencies
- Emergency descend
- Ground Maneuvers
- Normal Takeoff and landings
- Short Field
- Soft Field
- Slip to landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student receives feedback from an instructor relating to his/her performance operations and procedures to the ACS standards

Date ______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature ____________________________________________

Notes:
Lesson 2 (1.4 hours of Solo Flight)

Objective:

For student to become proficient with Private Pilot Maneuvers to the ACS standards.

Content:

- Preflight preparation and preflight procedures
- Student selected maneuvers
- Takeoff and landings
- Short field
- Soft Field
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module.

Date_______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature______________________________________________

Notes:
Lesson 3 (1.8 hours of Solo Flight) (Private Long)

Objective:

Flight must be at least 150 NM, with landings at a minimum of three points, and one segment of the flight consisting of a straight-line distance of more than 50 nautical miles between the takeoffs and landing location. This flight will also contain 3 takeoff and landings to a full stop with each landing involving a flight in the traffic pattern at an airport with an operating control tower. This flight meets and exceeds CFR 14 Part 61 regulations

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Strange field approach/Towered approach
- Post flight procedures

Completion Standards:

Flight should be coordinated and within 200 feet, 15 degrees, 10 knots, at all times, and cross-countries should be flown within 3 NM of the planned route at all times, and arrive at the en route checkpoints and destinations within 5 minutes of the initial or revised ETA.

Date_______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature_____________________________________________________

Notes:
Lesson 4 (1.5 hours of Dual Night Flight)

Objective:

For the student to continue to develop Cross-Country procedures including flight planning, weather, navigation, checkpoint timing and radio procedures and introduce diversions to alternate and emergency procedures during night flight.

Content:

- Preflight procedures
- Flight planning
- Checklist use
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Lost procedures
- Diversion to alternate and emergencies requiring diversions
- Flight plan updates
- Strange field approach
- Post flight procedures

Completion Standards:

This module is complete when the student conducts a night cross country. Flight must be within 200 feet, 15 degrees, and 10 knots, and coordination maintained at all times. Cross-country operations must be within 5 minutes of ETA and 3 NM of route. Flight must be more than 100NM total distance.

Date______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature__________________________________________________

Notes:
Lesson 5 (1.5 hours of Dual Night Flight)

Objective:

For student to become proficient with all listed maneuvers during night time operations. This flight should include at least 10 landings to a full stop with flights

Content:

- Preflight preparation and preflight procedures
- Taxing and airport operations
- Instructor Selected maneuvers
- Emergencies
- Normal Takeoff and landings
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module. **Total night hours should equate to 3 hours.**

Date ______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature ____________________________________________
Lesson 6 (1.4 hours of Solo Flight)

Objective:

For student to become proficient with Private Pilot Maneuvers to the ACS standards. This lesson may be repeated at student’s discretion until the student feels ready to start check ride preparation.

Content:

- Preflight preparation and preflight procedures
- Student/instructor selected maneuvers
- Takeoff and landings of various kinds
- Post flight procedures

Completion Standards:

This lesson is complete when the student can maintain altitude within 200 feet, airspeed within 20 knots, and heading within 20 degrees, while performing the maneuvers listed in the content of this module.

Date _______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature__________________________________________

Notes:
Lesson 7 (1.9 hours of Dual Flight Check ride Preparation)

Objective:

For student to become proficient with all required maneuvers for the Private Pilot Checkride.

Content:

- Preflight preparation and preflight procedures
- Taxing and airport operations
- Navigation
- Pilotage
- Dead reckoning
- Checkpoint timing
- Use of ATC services
- Lost procedures
- Diversion to alternate and emergencies requiring diversions
- Flight plan updates
- Strange field approach
- Slow-Flight
- Steep Turns
- Power off stalls
- Power on stalls
- Instrument work and unusual attitudes (.7)
- Emergencies
- Emergency descend
- Ground Maneuvers
- Normal Takeoff and landings
- Slip to Landing
- Go around
- Short Field
- Soft Field
- Post flight procedures

Completion Standards:

This lesson is complete when the student receives feedback from an instructor relating to his/her performance operations and procedures to the ACS standards

Date_________________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature_____________________________________

Notes:
PRIVATE PILOT ENDORSEMENTS

32. Aeronautical knowledge test: §§ 61.35(a)(1), 61.103(d), and 61.105.

AC 61-65F Appendix 1

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

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

33. Flight proficiency/practical test: §§ 61.103(f), 61.107(b), and 61.109.

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

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

1. Prerequisites for practical test: Title 14 of the Code of Federal Regulations (14 CFR) part 61, § 61.39(a)(6)(i) and (ii).

I certify that (First name, MI, Last name) has received and logged training time within 2 calendar-months preceding the month of application in preparation for the practical test and he/she is prepared for the required practical test for the issuance of (applicable) certificate.

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19

2. Review of deficiencies identified on airman knowledge test: § 61.39(a)(6)(iii) as required.

I certify that (First name, MI, Last name) has demonstrated satisfactory knowledge of the subject areas in which he/she was deficient on the (applicable) airman knowledge test.

/s/ [date] J. J. Jones 987654321CFI Exp. 12-31-19
Ground Lessons:

☐ To be covered with an instructor during the duration of the stage at students/instructors discretion
Stage 1
Ground Lesson 1

Objective:

For the student to be introduced to and become familiarized with preflight inspections, checklist operations. Walk through the process of flight and what the student can expect on his/her first flight.

Content:

- First flight expectations
- Fundamentals of flight
- Preflight preparation and preflight procedures to include aircraft documents (certificates and documents, aircraft logbooks, airplane servicing)
- Positive aircraft control
- Documents needed to continue flight training

Date_________________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________________________

Notes:
Ground Lesson 2

Objective:

For the student to be introduced to and become familiarized with airport operations, ATC communication, Flight following, Runway incursion avoidance

Content:

- Runway Surface operations
- ATC communications
- ATC clearances
- Flight Following
- ATC phraseology
- Runway Incursion Avoidance
- LAHSO Clearance
- Runway Markings

Date_______________ Overall Grade:    Excellent     Good     Fair     Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Ground Lesson 3

Objective:

For the student to be introduced to and become familiarized with general aerodynamic properties of an aircraft. (Keep it simple)

Content:

- 4 forces of flight
- Forces in a turn
- General lift characteristics
- Fundamentals of a stall
- Proper Stall Recovery
- 4 left turning tendencies
- Rudder coordination

Date_______________ Overall Grade:   Excellent   Good   Fair   Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Ground Lesson 4

Objective:

For the student to be introduced to and become familiarized with takeoff and landings, stable approaches, traffic pattern operations

Content:

- Traffic pattern legs
- Traffic pattern altitudes
- Airspeed/energy management
- ATC clearances
- Stable approach concept
- Round-out and flare
- Go around

Date_______________   Overall Grade:     Excellent     Good     Fair     Needs Improvement

Instructor Name/Signature______________________________________________

Notes:
Ground Lesson 5

Objective:

For the student to be introduced to and become familiarized with weather information and student solo limitations.

Content:

- Weather Services
- Student Weather Limitations
- Emergencies involving weather
- VFR into IMC
- Crosswind technique
- Fog and Mountain obscuration
- Decision making

Date______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature _______________________________________

Notes:
Ground Lesson 6

Objective:

For the student to be introduced to and become familiarized with emergency procedures, checklist usage, proper field selection.

Content:

☐ Engine Failure
☐ Loss of Radio
☐ Loss of electrical equipment
☐ Exterior/Interior Fire
☐ Engine instruments indications
☐ Use of ATC services
☐ Field Selection for emergency landings

Date_____________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________

Notes:
**Ground Lesson 7**

**Objective:**

For the student to be introduced to and become familiarized with applicable parts to part 91 and 61 in preparation for the Solo.

**Content:**

- Airspace rules that apply to the area in which the student will operate
- Careless and reckless behavior
- Rules regarding carriage of passengers
- Performance limitation’s of the aircraft
- Emergency ATC service
- Unauthorized use of aircraft
- Field Selection for emergency landings

Date_____________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ________________________________

Notes:
Stage 2/3
Ground Lesson 1

Objective:

For the student to be introduced to and become familiarized with aircraft performance, performance charts and aircraft limitations

Content:

☐ Basic calculations
☐ Take off performance
☐ 50 foot obstacle clearance
☐ Cruise performance
☐ TAS
☐ Endurance
☐ Other Performance charts
☐ Pressure Altitude/Density altitude

Date_________________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________________________

Notes:
Ground Lesson 2

Objective:

For the student to be introduced to and become familiarized with Navigation, Flight planning,

Content:

- Charts and Flight logs
- Course Plotting
- Waypoint Selection
- Pilotage
- Dead reckoning
- Performance Calculations
- Weather Observations/Standard briefings
- Airport information and NOTAMS
- Navigation

Date_______________  Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature________________________________________

Notes:
Ground Lesson 3

Objective:

For the student to be introduced to and become familiarized with the GPS appropriate to the aircraft flying (Use of the simulator is strongly recommended)

Content:

- GPS Navigation System
- Startup Page
- Operation of the 430/G1000
- Flight planning
- AUX page
- Calculation Page
- OBS function
- NAV/COM
- Tune and Ident Function

Date_________________ Overall Grade:  Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ____________________________________________

Notes:
Ground Lesson 4

Objective:

For the student to be introduced to and become familiarized with Navigation, Flight planning,

Content:

☐ Charts and Flight logs
☐ Course Plotting
☐ Waypoint Selection
☐ Pilotage
☐ Dead reckoning
☐ Performance Calculations
☐ Weather Observations/Standard briefings
☐ Airport information and NOTAMS
☐ Navigation

Date_______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature________________________________________________________

Notes:
**Ground Lesson 5**

**Objective:**

For the student to be introduced to and become familiarized with Emergency procedures during cross country

**Content:**

- Aeronautical Decision Making
- Diversion to alternate
- Reasons for diversion
- Aeronautical Decision Making
- Pilotage
- Dead reckoning

**Date_________________ Overall Grade: Excellent Good Fair Needs Improvement**

**Instructor Name/Signature________________________________________**

**Notes:**
Stage 4
Ground Lesson 1

Objective:

For the student to be introduced to and become familiarized with aircraft Systems and its operations

Content:

- Aircraft Airworthiness
- Airframe
- Powerplant
- Fuel System
- Control System
- Electrical System
- Anti-Ice System
- Aircraft Instrumentation/Pitot-Static
- Carburetor/Fuel Injection
- Cabin Air System
- Gear System
- Weight and Balance
- Maintenance Requirements

Date_________________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature_____________________________________________________

Notes:
Ground Lesson 2

Objective:

For the student to be introduced to and become familiarized with applicable FAR’s.

Content:

☐ Part 61
☐ Part 91
☐ NTSB 830
☐ Aircraft Airworthiness
☐ Required Inspection

Date________________ Overall Grade: Excellent   Good   Fair   Needs Improvement

Instructor Name/Signature_________________________________________________________

Notes:
Ground Lesson 3

Objective:

For the student to be introduced to and become familiarized with Aviation weather and Weather Services

Content:

☐ Weather Theory
☐ Types of Icing and FIKI
☐ Prognostic Charts
☐ METAR
☐ TAF
☐ Area Forecast
☐ Winds Aloft
☐ PIREPS/SIGMETS/AIRMETS
☐ Icing Charts
☐ Types of Weather Briefings

Date _______________ Overall Grade: Excellent Good Fair Needs Improvement

Instructor Name/Signature____________________________________________________

Notes:
Ground Lesson 4

Objective:
For the student to be introduced to and become familiarized with Various Charts and flight planning supplements.

Content:

- Sectional Chart
- Chart Supplement
- Airspace
- Navigation aids
- Chart Symbology
- Airport information from the Chart Supplement

Date _______________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ____________________________________________

Notes:
Ground Lesson 5

Objective:

For the student to be introduced to and become familiarized with Flight Physiology and the effects of altitude on the human body

Content:

- Hypoxia
- Hyperventilation
- Effects of Scuba Diving and Altitude Induced Decompression Sickness
- Aeronautical Decision Making
- Pilot Fatigue
- Oxygen Systems
- Middle-Ear/Sinus

Date ______________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature ____________________________________________

Notes:
Ground Lesson 6

Objective:

For the student to be introduced to and become proficient in all ground material in preparation for the Private Pilot Checkride

Content:

- Instructor Selected Material
- Student Selected Material
- PLT codes
- Endorsements

Date_____________ Overall Grade: Excellent  Good  Fair  Needs Improvement

Instructor Name/Signature_____________________________________________________

Notes: