PREREQUISITES FOR ENROLLMENT IN THE FLIGHT PORTION OF THE PRIVATE PILOT COURSE: You must hold a student, recreational or sport pilot certificate and a medical certificate valid for at least third class privileges prior to beginning solo flight in the private pilot course.

COURSE OBJECTIVE: You will obtain the knowledge, skill and aeronautical experience to meet the requirements of 14 CFR, Section 141, Appendix B to earn a private pilot certificate with airplane single engine land rating.

COURSE POLICY:

At the discretion of the instructor, students who progress rapidly within a specific stage, may within reasonable variances, continue to the next lesson with less time than is specified in the specific lesson curriculum, provided all content and completion standards are satisfactorily completed. The time stated in the lesson is the approximate minimum time that a student would need to meet the lesson objectives and completion standards; not absolute required times. The lesson time could be slightly more or slightly less. These reduced hours must be included in other lessons to complete the total ground or flight time specified by category in the training course outline in order to satisfactorily complete the course.

At no time will a student be allowed to continue to the next stage without having successfully completed all of the lessons and the required tests or stage checks related to the completion of the previous stage.

The AATD lesson may be flown in an aircraft, or AATD. The lesson will include the required pre- and post-flight procedures.
Flight training for this course will be done in accordance with the F.A.A. approved syllabus. Deviations from the syllabus due to student training requirements, weather related factors, or other items as necessary will be allowed as long as the following requirements are met:

- The deviation is approved by the Chief/Asst Chief Flight Instructor.

- A notation will be made in the student training record as to the lesson covered and the reason for the deviation.

- The student will complete all syllabus requirements before a graduation certificate is issued.

To satisfactorily complete the course of training, the student must meet all course objectives and completion standards. The student must satisfactorily complete all required ground training and pass the FAA Private Pilot Airplane knowledge test prior to the completion of flight training.

**EXPECTED ACCOMPLISHMENTS AND STANDARDS:** To satisfactorily complete each flight stage the student must complete the lessons in that stage and pass the end of course stage check. Each lesson lists specific objectives and standards of completion.

**CHECKS AND TESTS:** The flight training portion of the syllabus contains a quiz and a stage check flight at the end of Stage I, II and III. The stage checks will be administered by the Chief/Assistant Chief Flight Instructor or check instructor approved by the FSDO. The Stage III check is the end of course stage check which will be equal in scope, depth and difficulty to the practical test defined by the FAA Private Pilot – Airplane Airman Certification Standards.
### LESSON TIME ALLOCATION

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*By the end of lesson III/4 the student will have made 10 night takeoffs and landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.

**By the end of lesson III/6 the student will have made three solo 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.

***These are the minimum times required in each flight category for course completion.

The AATD Lesson may be completed in an airplane.

**DL NGT** = Dual Night  **DL XC** = Dual Cross Country  **SO XC** = Solo Cross Country  **INST DL** = Instrument Dual  **AATD** = Advanced Aviation Training Device
STAGE I

STAGE OBJECTIVE

During this stage, the student obtains the foundation for all future aviation training. The student becomes familiar with the training airplane and learns how the airplane controls are used to establish and maintain specific flight attitudes. Through review and the introduction of new maneuvers, the student will gain the proficiency to solo the training airplane in the traffic pattern.

STAGE COMPLETION STANDARD

At the completion of this stage, the student will demonstrate an understanding of the basic flight maneuvers introduced in Flights 1 through 5. Additionally, the student will understand how to maintain specific flight attitudes and ground tracks. The student will have successfully soloed in the local area. In addition, the student will have the proficiency required for introduction of maximum performance takeoff and landing procedures in the following stage.
STAGE I FLIGHT LESSON 1 DUAL-LOCAL

LEsson OBJECTIVE:
During this lesson, the student is introduced to the training airplane. The student will learn how to conduct the necessary preflight activities, be introduced to the flight controls, and learn how they are used to maintain specific attitudes.

CONTENT:
Lesson Introduction
- Preflight Preparations and Procedures
- Airplane Logbooks
- Use of Checklists
- Visual Inspection
- Airplane Servicing
- Fuel Grades
- Airplane Systems
- Equipment Checks
- Location of First Aid Kit
- Location of Fire Extinguisher
- Flight Orientation
- Engine Starting
- Radio Communications
- Taxi
- Pretakeoff Check
- Use of trim
- Normal Takeoff and Climb
- Climbs
- Level off
- Straight-and-Level Flight
- Shallow and Medium banked turns in both directions
- Normal Approach and Landing
- Postflight Procedures

COMPLETION STANDARDS:
At the completion of this lesson, the student will have knowledge of aircraft systems and the necessity of checking their operation before flight. Additionally, the student will be familiar with the control systems and how they are used to maneuver the airplane on the ground and in the air.
STAGE I FLIGHT LESSON 2 DUAL - LOCAL

LESSON OBJECTIVE:
During this lesson, the student will review the procedures introduced in Flight Lesson 1 to gain proficiency in turn performance and airspeed control techniques. Basic maneuvers by instrument reference are introduced to increase the student's airplane control skills.

CONTENT:
Lesson Review
- Visual Inspection
- Certificates and Documents
- Airplane Servicing
- Airplane Systems
- Engine Starting
- Radio Communications
- Taxi
- Use of Trim
- Pretakeoff Check
- Normal Takeoff and Climb
- Straight-and-Level Flight (VR)
- Climbs (VR)
- Shallow and medium banked turns in both directions (VR)
- Normal Approach and Landing
- Postflight Procedures

Lesson Introduction
- Airport Operations
- Airport and Runway Marking and Lighting
- Crosswind Taxi
- Airspeed Transitions
- Flight at Approach Airspeed
- Collision Avoidance Precautions
- Airport traffic pattern entry and departure procedures
- Straight-and-Level Flight (IR)
- Straight, Constant Airspeed Climbs (IR)
- Straight, Constant Airspeed Descents (IR)

COMPLETION STANDARDS:
At the completion of this lesson, the student will be able to make takeoffs with instructor assistance. Preflight activities will be conducted accurately, and the student will display an increased understanding and proficiency in coordinated airplane attitude control. Additionally, the student should be familiar with the control usage necessary to maintain altitude within 250 feet during airspeed changes.
STAGE I FLIGHT LESSON 3 DUAL – LOCAL

LESSON OBJECTIVE:
During this lesson, the student will review airspeed control maneuvers and be introduced to stalls from various flight conditions to increase understanding of airplane control during normal and critical flight conditions.

CONTENT:
Lesson Review
- Visual Inspection
- Engine Starting
- Radio Communications
- Pretakeoff Check
- Normal Takeoff and Climb
- Airport traffic Pattern entry and departure procedures
- Collision Avoidance Precautions
- Airspeed Transitions
- Flight at Approach Airspeed
- Normal Approach and Landing
- Airport and Runway Marking and Lighting

Lesson Introduction
- Maneuvering at Critically Slow Airspeeds
- Power-Off Stalls (Imminent)
- Power-On Stalls (Imminent)
- Descents with and without using high and low drag configurations

COMPLETION STANDARDS:
The student will perform unassisted takeoffs; however, landings will be completed with instructor assistance. The student will demonstrate correct communications and traffic pattern procedures. Additionally, altitude maintenance during airspeed transitions and maneuvering at critically slow airspeeds will be within +/- 250 feet.

UNIVERSITY OF OKLAHOMA

STUDENT NAME _______________________________ ID# _____________________
INSTRUCTOR NAME ____________________________ CERT# __________________
AIRCRAFT # CRM FLIGHT STAGE # I LESSON # 103
SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION ________

HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)
Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.
REMARKS: __________________________________________________________
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FOR XC FLIGHTS, LIST DESTINATIONS: _________________________________

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DATE: __________________ ENTERED BY ___________________
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HOBBS / TAC: IN ________/__________ REMARKS: __________________
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STUDENT SIGNATURE ________________________________________________
INSTRUCTOR SIGNATURE _____________________________________________

DATE: __________________ ENTERED BY ___________________
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.TOTAL _____________ PROCESSED ON _______

HOBBS / TAC: IN ________/__________ REMARKS: __________________
.OUT ________/__________ _________________________
.TOTAL TIME _____________ _________________________

STUDENT SIGNATURE ________________________________________________
INSTRUCTOR SIGNATURE _____________________________________________
STAGE I FLIGHT LESSON 4 DUAL – LOCAL

LESSON OBJECTIVE:
During this lesson, the student will practice the maneuvers listed for review to gain additional proficiency and demonstrate the ability to recognize and recover from imminent stalls. The student also will receive instruction and practice in the maneuvers and procedures listed for introduction.

CONTENT:
Lesson Review
- Maneuvering at Critically Slow Airspeeds
- Power-Off Stalls (Imminent)
- Power-On Stalls (Imminent)
- Normal Takeoffs and Landings
- Collision Avoidance Precautions
- Descents with and without turns using high and low drag configurations

Lesson Introduction
- Wake Turbulence Avoidance
- Emergency Descent
- Emergency Approach and Landing
- Systems and Equipment Malfunctions
- Climbing and Descending Turns
- Steep Turns (medium and steep banked turns in both directions)
- Accelerated Maneuver Stalls (Imminent)
- Turns to Headings
- Flight at Slow Airspeeds with Realistic Distractions, and the Recognition of and Recovery from Stalls Entered from Straight Flight and from Turns

COMPLETION STANDARDS:
The student will be familiar with the procedures used during emergency approach and landing situations. Additionally, the student will demonstrate improved performance with regard to recognition of and recovery from imminent stalls and maneuvering at critically slow airspeeds.
STAGE I FLIGHT LESSON 5 DUAL - LOCAL

LESSON OBJECTIVE:
This lesson is a review. The student also is introduced to ground reference maneuvers and full stalls. Finally, maneuvering at critically slow airspeeds is introduced by instrument reference.

CONTENT:
Lesson Review
- Maneuvering at Critically Slow Airspeeds (VR)
- Imminent Stalls
- Flight at Slow Airspeeds with Realistic Distractions
- Recognition of Recovery from Stalls Entered from Straight Flight and from Turns
- Emergency Descent
- Emergency Approach and Landing
- Approaches to the landing area with engine power at idle and with partial power

Lesson Introduction
- Rectangular Courses
- S-Turns Across a Road
- Turns Around a Point
- Maneuvering at Critically Slow Airspeeds (IR)
- Power-Off Stalls (Full)
- Power-On Stalls (Full)
- Steep Turns (IR)
- Turns to Headings (IR)
- Normal take-off and landings

COMPLETION STANDARDS:
The student will display the ability to maintain a specific ground track, using coordinated control inputs. Additionally, the student will maintain altitude within +/- 225 feet and headings within +/- 15° during straight-and-level flight. Finally, the student will demonstrate the ability to recognize and recover from full stalls.

STUDENT NAME __________________________ ID# __________
INSTRUCTOR NAME ________________________ CERT# __________

AIRCRAFT # CRM FLIGHT STAGE # I LESSON # 105

SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION_____

HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)

Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.

REMARKS: __________________________________________________________

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      TOTAL ___________ PROCESSED ON ___________

HOBBs / TAC: IN ________ / __________ REMARKS: _______________
             OUT ________ / __________
             TOTAL TIME _______________

STUDENT SIGNATURE ________________________________________________
INSTRUCTOR SIGNATURE _____________________________________________
STAGE I FLIGHT LESSON 6 DUAL – LOCAL

LESSON OBJECTIVE:
During the lesson, the student will practice the review maneuvers to gain proficiency. Additionally, slips and crosswind takeoffs and landings are introduced so the student may begin to learn this procedure during varying wind conditions.

CONTENT:
Lesson Review
- Rectangular Courses
- S-Turns Across a Road
- Turns Around a Point
- Normal Takeoffs and Landings
- Traffic Pattern Operations
- Wake Turbulence Avoidance

Lesson Introduction
- Go-Arounds From a Rejected Landing - go-around from final approach and from the landing flare in various flight configurations, including turns
- Forward Slips to Landing*
- Crosswind Takeoff and Climb
- Crosswind Approach and Landings
- ATC Light Signals
- Forced landing procedures initiated at take-off, during initial climb, cruise, descents, and in the landing pattern

COMPLETION STANDARDS:
The student will be able to fly specific ground tracks while maintaining altitude within +/- 200 feet. The student will demonstrate an understanding of how the slip is used to perform crosswind landings.

*FORWARD SLIP TO A LANDING WITH FLAP FAILURE

FOR XC FLIGHTS, LIST DESTINATIONS:
LESSON OBJECTIVE:
During this lesson, the student will practice instrument flight maneuvers, and takeoffs and landings in preparation for solo flight.

CONTENT:
Lesson Review
- Straight-and-Level Flight (VR-IR)
- Steep Turns (VR-IR)
- Straight, Constant Airspeed Climbs (VR-IR)
- Straight, Constant Airspeed Descents (VR-IR)
- Climbing and Descending Turns
- Turns to Headings (IR)
- Crosswind Takeoff and Climb
- Crosswind Approach and Landing
- Go-Around From a Rejected Landing
- Forward Slips to Landing*
- Emergency Descent
- Emergency Approach and Landing
- ATC Light Signals
- Forced landing procedures initiated at take-off, during initial climb, cruise, descents, and in the landing pattern

COMPLETION STANDARDS:
The student should demonstrate increased skill in instrument scan and interpretation during instrument flight. Takeoffs, landings, and go-arounds should be performed without instructor assistance.
STAGE I FLIGHT LESSON 8 DUAL – LOCAL

LESSON OBJECTIVE:
During this lesson, the instructor will evaluate the student's progress to determine readiness for solo flight and to correct any faulty performance areas.

CONTENT:
Lesson Review
- Engine Starting
- Radio Communications
- Normal and/or Crosswind Taxi
- Pretakeoff Check
- Normal and/or Crosswind Takeoff and Climb
- Power-Off Stalls (Full)
- Power-On Stalls (Full)
- Maneuvering at Critically Slow Airspeeds
- Flight at Slow Airspeeds with Realistic Distractions
- Recognition of and Recovery from Stalls Entered from Straight Flight and from Turns
- Straight-and-Level Flight (IR)
- Steep Turns (IR)
- Turns to Headings (IR)
- Constant Airspeed Climbs (IR)
- Constant Airspeed Descents (IR)
- Systems and Equipment Malfunctions
- Emergency Descent
- Emergency Approach and Landing
- Traffic Pattern Operations
- Go-Around from a Rejected Landing
- Normal and/or Crosswind Approach and Landing

COMPLETION STANDARDS:
The student will display the ability to solo the training airplane safely in the local area. At no time will the safety of the flight be in question.
STAGE I FLIGHT LESSON 9

QUIZ

LESSON OBJECTIVE:
The objective of this lesson is to evaluate the student's knowledge through a written quiz.

COMPLETION STANDARDS:
The student should score at least a 70% on the quiz. In addition, the instructor is responsible for reviewing those questions missed.
STAGE I FLIGHT LESSON 10 DUAL and SOLO – LOCAL

LESSON OBJECTIVE:
Prior to this flight, the instructor will administer and grade the presolo written exam. During the dual portion of the lesson, the instructor will review takeoff and landing procedures to check the student's readiness for solo flight; and, in the second portion of the lesson, the student will fly the first supervised solo flight in the local traffic pattern.

CONTENT:
Lesson Review
- Engine Starting
- Radio Communications
- Normal and/or Crosswind Taxi
- Pretakeoff Check
- Normal Takeoffs
- Traffic Pattern Operations
- Go-Around From a Rejected Landing
- Normal Landings

Lesson Introduction
Supervised Solo
- Preflight Preparations and Procedures
- Airport Operations
- Radio Communications
- Taxi
- Pretakeoff Check
- Normal Takeoffs and Climbs (3)
- Traffic Pattern Operations
- Normal Approaches and Landings (3)
- Postflight Procedures

COMPLETION STANDARDS:
This lesson is complete when the student successfully passes the presolo written exam and accomplishes a supervised solo as directed by the instructor. The student will adhere to established traffic pattern procedures and demonstrate that solo flight in the traffic pattern can be accomplished safely.

STUDENT NAME _______________________________ ID# __________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # I LESSON # 110
SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION_____
HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)
Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.
REMARKS: __________________________________________________________
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FOR XC FLIGHTS, LIST DESTINATIONS: _________________________________

DATE: ___________________ ENTERED BY __________________
TIME: IN _______________ INVOICE ____ FLIGHT REC ___
OUT _______________ SYLL. LESSON _______________
TOTAL _______________ PROCESSED ON _______________
HOBB / TAC: IN ___________/ ___________ REMARKS: _______________
OUT ___________/ ___________ __________________________
TOTAL TIME ____________________ ____________________
STUDENT SIGNATURE ____________________________________________
INSTRUCTOR SIGNATURE __________________________________________
LESSON OBJECTIVE:
During this stage check, the chief instructor or a designated assistant evaluates the student's solo abilities to determine if the student is prepared to depart the traffic pattern area on future solo flights.

CONTENT:
Lesson Review
- Airplane Systems
- Engine Starting
- Radio Communications
- Taxi
- Pretakeoff Check
- Normal Takeoff and Climb
- Traffic Pattern Operations
- Emergency Descent
- Emergency Approach and Landing
- Collision Avoidance Precautions
- Normal Approach and Landing
- Power On and Power Off Stalls
- Postflight Procedure

COMPLETION STANDARDS:
This lesson and Stage I are complete when the student can competently perform preflight duties and all other procedures necessary for the safe conduct of a solo flight in the local training area. Altitude will be maintained within 150 feet, headings within 15°, and airspeed within 5 knots.
STAGE II

STAGE OBJECTIVE

This stage allows the student to expand the skills learned in the previous stage. The student is introduced to maximum performance takeoff and landing procedures and reviews ground reference maneuvers, which are important steps in preparation for cross-country. The student will learn to plan and conduct cross-country flights using pilotage, dead reckoning, and radio navigation. The student will also learn to conduct safe flight in the national airspace system. Additionally, greater emphasis is placed on attitude control by instrument reference to increase the student's skill and safety.

STAGE COMPLETION STANDARD

At the completion of this stage, the student will have the proficiency and knowledge of airplane operations that is necessary to begin flight outside the local area. The student will be able to accurately plan and conduct cross country flights. His proficiency level must be such that the safety of his flight is never in question.
STAGE II FLIGHT LESSON 1 DUAL and SOLO – LOCAL

LESSON OBJECTIVE:
During the dual portion of the lesson, the instructor will review takeoff and landing procedures to check the student's readiness for solo flight; and, in the second portion of the lesson, the student will fly the second supervised solo flight in the local traffic pattern.

CONTENT:
Lesson Review
- Engine Starting
- Radio Communications
- Normal and/or Crosswind Taxi
- Pretakeoff Check
- Normal Takeoffs
- Traffic Pattern Operations
- Go-Around From a Rejected Landing
- Normal Landings

Supervised Solo
- Radio Communications
- Taxi
- Pretakeoff Check
- Normal Takeoffs and Climbs (3)
- Traffic Pattern Operations
- Normal Approaches and Landings (3)
- Postflight Procedures

COMPLETION STANDARDS:
This lesson is complete when the student successfully accomplishes a supervised solo as directed by the instructor. The student will adhere to established traffic pattern procedures and demonstrate that solo flight in the traffic pattern can be accomplished safely.
STAGE II FLIGHT LESSON 2 DUAL – LOCAL

LESSON OBJECTIVE:
During this lesson, the student will learn to obtain the maximum takeoff and landing performance from the training airplane.

CONTENT:
Lesson Review
- Rectangular Courses
- Turns Around A Point
- S-Turns Across a Road
- Maneuvering at Critically Slow Airspeeds
- Flight at Slow Airspeeds with Realistic Distractions, and the Recognition of Recovery from Stalls Entered from Straight Flight and from Turns

Lesson Introduction
- Short-Field Takeoff and Climb
- Soft-Field Takeoff and Climb
- Short-Field Approach and Landing
- Soft-Field Approach and Landing

COMPLETION STANDARDS:
The student will be able to explain what runway conditions necessitate the use of soft-field and short-field takeoff and landing techniques. Additionally, the student will be able to demonstrate the correct procedure to be used under these conditions, although proficiency will not be at the private pilot level.
STAGE II FLIGHT LESSON 3 SOLO – LOCAL

LESSON OBJECTIVE:
During this lesson, the student will practice the listed maneuvers to gain proficiency and confidence.

CONTENT:
Lesson Review
- Normal and/or Crosswind takeoffs and climbs
- Power-off stalls (Imminent)
- Power-on stalls (Imminent)
- Maneuvering at critically slow airspeeds
- S-Turns Across a Road
- Turns Around a Point
- Normal and/or crosswind approaches and landings
- Short-field takeoffs and landings
- Soft-field takeoffs and landings

COMPLETION STANDARDS:
This lesson is complete when the student has conducted the assigned solo flight. During the lesson, the student should attempt to gain proficiency in each of the above listed maneuvers.
STAGE II FLIGHT LESSON 4 SOLO – LOCAL

LESSON OBJECTIVE:
During this lesson, the student will practice flight maneuvers, as assigned by the flight instructor, with special emphasis on correcting any deficient areas.

CONTENT:
Lesson Review
- Rectangular Courses
- S-Turns Across a Road
- Turns Around a Point
- Maneuvering at Critically Slow Airspeeds
- Power-Off Stalls
- Power-On Stalls
- Short-Field takeoffs and landings
- Soft-Field takeoffs and landings
- Crosswind Approaches and Landings
- Forward Slips to Landing*

COMPLETION STANDARDS:
This lesson is complete when the student has conducted the assigned solo flight. During the lesson, the student should attempt to gain proficiency in each of the above listed maneuvers.

UNIVERSITY OF OKLAHOMA

STUDENT NAME _______________________________ ID# __________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # II LESSON # 204

SAT ____%  UNSAT ____%  INCOMPLETE ____%  CANCELLATION______

HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)
Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.
REMARKS: __________________________________________________________

FOR I OR U: SUBJECTS THAT ARE NOT COMPLETE/INSTRUCTOR COMMENTS
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FOR XC FLIGHTS, LIST DESTINATIONS:
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DI so Dnt Dxc Sxc Nld AATD CA PP GI

DATE: __________________________ ENTERED BY ______________________
TIME: IN ____________ INVOICE ____ FLIGHT REC ____
      OUT __________ SYLL. LESSON __________
      TOTAL __________ PROCESSED ON ______________

HOBBS / TAC: IN ________ / ________ REMARKS: __________________________
OUT ________ / ________
TOTAL TIME __________________

STUDENT SIGNATURE ________________________________________________
INSTRUCTOR SIGNATURE _____________________________________________
LESSON OBJECTIVE:

During this lesson the student is introduced to navigation procedures using VOR’s and GPS in the AATD. The student will become familiar with operation of VOR and GPS equipment. In addition, cross-country planning and operational considerations will be discussed during the pre-flight briefing.

CONTENT:

Lesson Introduction

Cross-Country Flight Procedures
- Flight Deck Management
- Power Settings and Mixture Control

Navigation
- VOR Orientation and Tracking
- Course Interception
- VOR Cross Check
- GPS Orientation and Tracking
- Use of the GPS Moving Map Page
- Use of the GPS to Determine Ground Speed, ETE and ETA
- Use of the NRST Function

COMPLETION STANDARDS:

The student will gain an understanding of how to organize the flight deck for cross country flight and demonstrate proper power setting and mixture leaning procedures. The student will be able to tune and identify VOR frequencies, determine which VOR radial the aircraft is on and intercept and track courses to and from a VOR. The student will be able to use the GPS receiver to program a direct course to a fix or location, use the moving map page, determine ground speed, estimated time enroute and estimated time of arrival to a location and use the “Nearest Function” to determine location of nearby airports as well as nearest ATC and AFSS frequencies.
STAGE II FLIGHT LESSON 6 DUAL – LOCAL

LESSON OBJECTIVE:
The instructor will evaluate the student’s takeoff, landing, and stall performance to determine any areas of weakness. Additionally, airplane control by instrument reference during emergency situations is introduced to broaden the student’s knowledge.

CONTENT:
Lesson Review
- Short-Field Takeoffs and Climbs
- Short-Field Approaches and Landings
- Power-Off Stalls (Full)
- Power-On Stalls (Full)

Lesson Introduction
- VOR Orientation and Tracking (VR)
- GPS Orientation and Course Programming (VR)
- Imminent Power-Off Stalls (IR)
- Imminent Power-On Stalls (IR)
- Unusual Attitude Recoveries (IR)
- Emergency Descents and Climbs using Radio Aids and Radar Directives (IR)

COMPLETION STANDARDS:
The student will perform takeoffs and landings smoothly, while maintaining good directional control. All approaches will be stabilized, and airspeed will be within five knots of that desired. The student will also display the correct recovery techniques from unusual attitudes and should be able to initiate emergency climbs and descents by instrument reference using radio aids and radar services.

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      OUT _______________ SYLL. LESSON _______________
      TOTAL _______________ PROCESSED ON _______________

HOBBS / TAC: IN _____/_______ REMARKS: _______________
             OUT _____/_______
             TOTAL TIME _______________
STAGE II FLIGHT LESSON 7 DUAL - CROSS-COUNTRY

LESSON OBJECTIVE:
During this lesson the student is introduced to the procedures and the techniques to be used during cross-country flight.

CONTENT:
Lesson Introduction
Cross-Country Flight Planning
- Sectional Charts
- Flight Publications
- Route Selection
- Obtaining Weather Information
- Fuel Requirements
- Determining Performance and Limitations
- Navigation Log
- FAA Flight Plan
- Weight and Balance
- Cockpit Management
- Aeromedical Factors
Cross-Country Flight
- Departure
- Opening Flight Plan
- Course Interception (IR)
- Pilotage
- Dead Reckoning
- Power Settings and Mixture Control
- Lost Procedures
- Estimates of Ground speed and ETA
- Position Fix by Radio Aids
Airport Operations
- Controlled Airports
- Uncontrolled Airports
- Use of Approach and Departure Control
- Airports with Heavy Traffic
- Emergency Go-Arounds
- CTAF (FSS or UNICOM) Airports
- At least on landing more than 50 n.m. from departure airport

COMPLETION STANDARDS:
The student will demonstrate the skill to perform cross-country flight. This includes accurate and complete preflight planning, weather analysis, use of FAA publications and charts, adherence to the preplanned flight and the use of pilotage and dead reckoning, services.
STAGE II FLIGHT LESSON 8 DUAL - LOCAL, NIGHT

LESSON OBJECTIVE:
During this lesson, the student is introduced to the operational aspects of night flight. Special emphasis is placed upon the student learning the additional planning and flight considerations necessary when operating in the night environment.

CONTENT:
Lesson Introduction
- Preflight Preparation
  - Aeromedical Factors
  - Flight Planning Considerations
  - Visual Inspection
  - Preparation and Equipment
- Night Flight
  - Power-off Stalls
  - Power-on Stalls
  - Steep Turns
  - Maneuvering at Critically Slow Airspeeds
  - Normal Takeoffs and Climbs
  - Normal Approaches and Landings
  - Short-Field Takeoffs and Landings
  - Soft-Field Takeoffs and Landings

COMPLETION STANDARDS:
The student will display an understanding of the importance of attitude control. Altitude should be controlled within +/- 150 feet during level turns, straight-and level flight, and flight at minimum controllable airspeed. Night stall techniques will be demonstrated. Landing approaches should be stabilized using a constant airspeed and rate of descent to touchdown. Landings will be to a full stop(with each landing involving a flight in the traffic pattern) at an airport.

UNIVERSITY OF OKLAHOMA

STUDENT NAME _______________________________ ID# __________________

INSTRUCTOR NAME ____________________________ CERT# __________________

AIRCRAFT # CRM FLIGHT STAGE # II LESSON # 208

SAT _____% UNSAT _____% INCOMPLETE ____% CANCELLATION______

HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)

Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.

REMARKS: __________________________________________________________

FOR I OR U: SUBJECTS THAT ARE NOT COMPLETE/INSTRUCTOR COMMENTS
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DATE: ______________________ ENTERED BY ______________________
TIME: IN _______________ INVOICE _____ FLIGHT REC _____
      OUT ______________ SYLL. LESSON ___________________
      TOTAL ____________ PROCESSED ON ____________

HOBBS / TAC: IN ________/_______ REMARKS: __________________________________________________________
OUT ________/_______ TOTAL TIME ________________________________________________________________

STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE _______________________________________
STAGE II FLIGHT LESSON 9 DUAL - CROSS-COUNTRY NIGHT

LESSON OBJECTIVE:
During this lesson, the student is introduced to night cross-country procedures and the proper techniques to be used during flights out of the local training area. This flight prepares the student to make cross-country flights as the sole occupant of the airplane and will consist of a cross country flight of more than 100 n.m. total distance and all landings made to a full stop (with each landing involving a flight in the traffic pattern) at an airport.

CONTENT:
Lesson Introduction
- Night Cross-Country flight Planning
  - Sectional Charts
  - Flight Publications
  - Route Selection
  - Obtaining Weather Information
  - Fuel requirements
  - Determining Performance and Limitations
  - Navigation Log
  - FAA Flight Plan
  - Weight and Balance
  - Cockpit Management
  - Aeromedical Factors

Night Cross-Country Flight
- Departure
- Opening Flight Plan
- Course Interception
- Pilotage
- Dead Reckoning
- VOR Navigation
- GPS Navigation (course programming, use of moving map)
- Power Settings and Mixture Control
- Diversion to an alternate
- Lost Procedures
- Estimates of Ground speed and ETA
- Position Fix by Radio Aids
- Flight on Federal Airways

Night Airport Operations
- Controlled Airports
- Uncontrolled Airports
- Use of Approach and Departure Control
- Airports with Heavy Traffic
- Emergency Go-Arounds
- CTAF (FSS or UNICOM) Airports
- At Least One Landing More Than 50 n.m. From Departure Airport Night Emergency Operations

Night Emergency Operations
- Systems and Equipment Malfunctions
- Emergency Descent
- Emergency Approach and Landing

Lesson Review
Instrument Flight
- VOR Tracking (IR)
- GPS Orientation and Course Tracking (IR)
- Use of Radar Vectors (IR)

COMPLETION STANDARDS:
The student will demonstrate the skill to perform cross-country flights safely as the sole occupant of the airplane. This includes accurate and complete preflight planning, weather analysis, use of FAA publications and charts, adherence to the preplanned flight and the use of pilotage, dead reckoning, and radio navigation.
STAGE II FLIGHT LESSON 10 SOLO - CROSS-COUNTRY

LESSON OBJECTIVE:
During this lesson, the student uses his previously learned cross-country skills during a solo flight. This experience will increase proficiency and confidence, which is necessary in developing a competent private pilot. The flight should consist of at least three short legs with a landing at the completion of each leg.

CONTENT:
Lesson Review
Preflight Planning
- Sectional Charts
- Flight Publications
- Route Selection
-Obtaining Weather Information
- Fuel Requirements
- Determining Performance and Limitations
- Weight and Balance
- Navigation Log
- FAA Flight Plan
- Aeromedical Factors
Cross-Country Flight
- VOR and GPS Navigation
- Pilotage
- Dead Reckoning
- Use of Unfamiliar Airports
- Estimates of ETA
- At least one landing More Than 50 n.m From Departure Airport

COMPLETION STANDARDS:
The student will demonstrate accurate planning and conduct of a VFR cross-country flight using the three methods of navigation. Additionally, during the postflight evaluation, the student will show an understanding of the procedures to be followed at unfamiliar airports.
STAGE II FLIGHT LESSON 11 QUIZ

LESSON OBJECTIVE:
The objective of this lesson is to test the student's knowledge through a quiz.

COMPLETION STANDARDS:
The student should score at least 70% on the quiz. In addition, the instructor is responsible for reviewing those questions missed.
STAGE II FLIGHT LESSON 12 DUAL - STAGE CHECK

LESSON OBJECTIVE:
This stage check, conducted by the chief, assistant, or check instructor will evaluate the student's ability to plan and conduct cross-country flights. The student will plan a cross country flight to a destination at least 50 nautical miles distance from OUN. The first leg of the cross-country flight will traverse Class C airspace.

CONTENT:
Lesson Review
- Preflight Preparation
  - Cross-Country Planning
  - Obtaining Weather Information
  - Cockpit Management
Cross-Country Flight
- ATC Radio Procedures
- Departure
- Course Interception
- VOR Navigation
- Pilotage
- Dead Reckoning
- Diversion to Alternate
- Lost Procedures
- Emergency Descent
- Use of Power Settings and Mixture Control

COMPLETION STANDARDS:
The student will demonstrate the ability to plan and conduct cross-country flights and a thorough knowledge of airspace, flight planning, pre-flight action, weather analysis, and the use of all available publications. During the flight, the student will demonstrate the correct use of three methods of navigation, the ability to correctly determine location at any time, the ability to compute ETAs within 10 minutes, and the correct technique for establishing a course, ETA and fuel consumption to an alternate airport.
STAGE III

STAGE OBJECTIVE

During this stage, the student will gain additional proficiency in solo cross-country operations and will receive instructions in preparation for the final stage check.

STAGE COMPLETION STANDARD

This stage will be complete when the student demonstrates performance of private pilot operations at a standard that meets or exceeds the minimum performance criteria for a private pilot certificate.
STAGE III FLIGHT LESSON 1 SOLO - CROSS-COUNTRY

LESSON OBJECTIVE:
During this lesson, the student will complete the cross-country requirement. This flight must be of at least 250 nautical miles, with landings (to a full stop) at a minimum of three points, and one segment of the flight consisting of a straight-line distance of at least 100 nautical miles between the takeoff and landing locations.

CONTENT:
Lesson Review
- Preflight Preparation
  - Sectional Charts
  - Flight Publications
  - Route Selection
  - Obtaining Weather Information
  - Fuel Requirements
  - Determining Performance and Limitations
  - Weight and Balance
  - Navigation Log
  - FAA Flight Plan
Cross-Country Flight
- VOR Navigation
- GPS Navigation
- Pilotage
- Dead Reckoning
- Estimates of Ground speed and ETA
- Use of Unfamiliar Airports
- Use of Controlled Airports
- Use of Airports With CTAF (FSS and/or UNICOM)

COMPLETION STANDARDS:
The student will demonstrate cross-country proficiency by completing the flight as planned and without incident. The instructor should review the completed navigation log during the postflight evaluation to determine whether it was completed and used correctly.
LESSON OBJECTIVE:
During this flight, the instructor reviews and evaluates the student's proficiency to determining performance areas which need additional practice.

CONTENT:
Lesson Review
- Pretakeoff Check
- Radio Communications
- Taxing
- Traffic Pattern Operations
- S-Turns Across a Road
- Turns Around a Point
- Short-Field Takeoffs and Landings
- Soft-Field Takeoffs and Landings
- Forward Slips to Landing*
- Go-Around From a Rejected Landing
- Systems and Equipment Malfunctions
- Emergency Descent
- Emergency Approach and Landing
- Collision Avoidance Precautions
- Wake Turbulence Avoidance
- Postflight Procedures

COMPLETION STANDARDS:
Any maneuvers which do not meet private pilot standards should be reviewed with the student and assigned for solo practice.

*FORWARD SLIP TO A LANDING WITH FLAP FAILURE
STAGE III FLIGHT LESSON 3 SOLO – LOCAL

LESSON OBJECTIVE:
During this lesson, the student will review flight maneuvers to achieve the proficiency required in the private pilot practical test standards.

CONTENT:
Lesson Review
- Pretakeoff Check
- Radio Communications
- Taxiing
- Traffic Pattern Operations
- S-Turns Across a Road
- Turns Around a Point
- Short-Field Takeoffs and Landings
- Soft-Field Takeoffs and landings
- Forward Slips to Landing*
- Go-Around From a Rejected Landing
- Collision Avoidance Precautions
- Wake Turbulence Avoidance
- Postflight Procedures

COMPLETION STANDARDS:
The lesson will consist of a minimum of 3 takeoffs and landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport with an operating control tower. During the lesson, the student should attempt to correct any weak performance areas determined in flight lesson 3.

*FORWARD SLIP TO A LANDING WITH FLAP FAILURE

FOR XC FLIGHTS, LIST DESTINATIONS:
STAGE III FLIGHT LESSON 4 DUAL - LOCAL, NIGHT

LESSON OBJECTIVE:
During this lesson, the student reviews the operational aspects of night flight. Special emphasis is placed upon the student learning the additional planning and flight considerations necessary when operating in the night environment.

CONTENT:
Lesson Review
Preflight Preparation
   - Aeromedical Factors
   - Flight Planning Considerations
   - Visual Inspection
   - Preparation and Equipment
Night Flight
   - Power-off Stalls
   - Power-on Stalls
   - Steep Turns
   - Maneuvering at Critically Slow Airspeeds
   - Normal Takeoffs and Climbs
   - Short-Field Takeoffs and Landings
   - Soft-Field Takeoffs and Landings

COMPLETION STANDARDS:
The student will display an understanding of the importance of attitude control. Night stall techniques will be reviewed. Landing approaches should be stabilized using a constant airspeed and rate of descent to touchdown. Landings will be to a full stop (with each landing involving a flight in the traffic pattern) at an airport. Any maneuvers which do not meet private pilot practical test standards should be reviewed with the student and assigned for daytime solo practice.

Note: Thru a combination of this lesson, stage II lesson 8, and stage II lesson 9, the student will have completed a combined 10 takeoffs and landings to a full stop (with each landing involving a flight in the traffic pattern) at an airport.
STAGE III FLIGHT LESSON 5 DUAL – LOCAL

LESSON OBJECTIVE: During this flight, the instructor reviews and evaluates the student's proficiency to determine performance areas which need additional practice.

CONTENT:
Lesson Review
- Straight-and-level Flight (VR-IR)
- Turns to Headings (VR-IR)
- Constant Airspeed Climbs and Descents (VR-IR)
- Steep Turns (VR-IR)
- Power-Off Stalls (VR-IR)
- Power-On Stalls (VR-IR)
- Maneuvering at Critically Slow Airspeeds (VR-IR)
- Systems and Equipment Malfunctions
- Emergency Descent
- Emergency Approach and Landing
- Using Radio Aids or Radar Directives (IR)
- Unusual Attitude Recoveries (IR)

COMPLETION STANDARDS:
Any maneuvers which do not meet private pilot standards should be reviewed with the student and assigned for solo practice.

UNIVERSITY OF OKLAHOMA

STUDENT NAME ___________________________ ID# _______________
INSTRUCTOR NAME ________________________ CERT# ______________

AIRCRAFT # CRM FLIGHT STAGE # III LESSON # 305
SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION_____

HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)

Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.

REMARKS: __________________________________________________________

FOR I OR U: SUBJECTS THAT ARE NOT COMPLETE/INSTRUCTOR COMMENTS
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FOR XC FLIGHTS, LIST DESTINATIONS: _________________________________

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DATE: __________________ ENTERED BY __________________

TIME: IN ______________ INVOICE _____ FLIGHT REC _____

OUT ______________ SYLL. LESSON ______________

TOTAL ______________ PROCESSED ON ______________

HOBBS / TAC: IN _____ / _____ REMARKS: __________________

OUT _____ / _____

TOTAL TIME ______________

STUDENT SIGNATURE _____________________________________________

INSTRUCTOR SIGNATURE _________________________________________
STAGE III FLIGHT LESSON 6 SOLO – LOCAL

LESSON OBJECTIVE: During flight lesson 7, the student will practice flight maneuvers, as assigned by the flight instructor, with special emphasis on correcting any deficient areas in preparation for the final stage check.

CONTENT:
Lesson Review
- Straight-and-Level Flight
- Turns To Heading
- Constant Airspeed Climbs and Descents
- Steep Turns
- Power-off Stalls
- Power-On Stalls
- Maneuvering at Critically Slow Airspeeds
- As Assigned by the Instructor

COMPLETION STANDARDS:
The lesson is complete when the student has conducted the assigned solo flight. During the lesson, the student should attempt to correct any weak performance areas determined in Flight Lesson 6.
STAGE III FLIGHT LESSON 7 DUAL-LOCAL

LESSON OBJECTIVE: During this flight, the instructor reviews and evaluates the student's proficiency to determine performance areas which need additional practice.

CONTENT:
Lesson Review
- Pretakeoff Check
- Radio Communication
- Taxiing
- Traffic Pattern Operations
- Ground Reference Maneuvers
- Straight-and-Level Flight (VR-IR)
- Constant Airspeed Climbs and Descents (VR-IR)
- Turns to headings (VR-IR)
- Maneuvering at Critically slow Airspeeds (VR-IR)
- Power-off and Power-on Stalls (VR-IR)
- Unusual Flight Attitudes (IR)
- Radio Aids and Radar Services
- GPS Orientation and Navigation
- Short-Field Takeoff and Landing
- Soft-Field Takeoff and Landing
- Forward Slips to Landing*
- Collision Avoidance Precautions
- Wake Turbulence Avoidance
- Postflight Procedures
- Emergency Operations
- Simulated Aircraft and Equipment Malfunctions
- Emergency Descent
- Emergency Approach and Landing
- Lost Procedures

COMPLETION STANDARDS:
Each maneuver and procedure should be performed at the proficiency level of a private pilot.

STUDENT NAME _______________________________ ID# _________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # III LESSON # 307
SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION____
HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)
Note:
1. Circle appropriate status/grade and put number (%) grade on line.
2. If cancellation state reason.
REMARKS: _______________________________________________________
FOR I OR U: SUBJECTS THAT ARE NOT COMPLETE/INSTRUCTOR COMMENTS
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      OUT ____________ SYLL. LESSON ___________
      TOTAL __________ PROCESSED ON ________
HOBBS / TAC: IN __________/____________ REMARKS: ______________
             OUT __________/____________
             TOTAL TIME __________________
STUDENT SIGNATURE _________________________________
INSTRUCTOR SIGNATURE _______________________________
STAGE III LESSON 8 QUIZ

LESSON OBJECTIVE: The objective of this lesson is to evaluate the student’s knowledge through a quiz.

COMPLETION STANDARDS:
The student should score at least 70% on the quiz. In addition, the instructor is responsible for reviewing those questions missed.
LESSON OBJECTIVE:

This lesson is the final stage check conducted by the Chief or Assistant Chief Flight Instructor or check instructor approved by the FSDO. During this lesson, the student must demonstrate Knowledge (KN), Risk Management (RM) and Skill (SK) as required by the FAA Private Pilot Airman Certification Standards. The order of material examined under lesson content is based on how this material may be covered during the ground and flight portions of the practical test. The material is not required to be covered in this order as long as it is covered in its entirety. The ground portion of the test must be completed prior to the flight portion of the test.

PRE-TEST PLANNING:

The evaluator will check for updates to the Airman Certification Standards. Any changes will be incorporated into the evaluation.

The evaluator will list the ACS codes missed on the knowledge test and annotate these codes on the KN or RM line for each task or groups of tasks in the ground portion of the lesson plan. These items must be evaluated as part of the practical test.

CONTENT:

The applicant will plan a cross country flight using real world weather. The first leg of the flight will be through OKC Class C airspace. The weights of passengers and baggage must be such that the aircraft can’t reach its primary destination without making a fuel stop. In both the ground and flight portions of the stage check the evaluator will present the applicant with different situations within the scenario (weather, equipment failure, ATC requests, medical issues etc.). In the process of demonstrating the KN, RM and SK to deal with these situations as many of the tasks as possible will be evaluated. Any remaining tasks will be evaluated outside the context of the scenario. In some cases tasks are grouped together to facilitate evaluation as part of a scenario. The evaluator will make note of unsatisfactory performance on the IN, RM or SK lines as appropriate.

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STAGE III FLIGHT LESSON 9
STAGE CHECK (CONT'D)

Ground Portion of Practical Test
All SK elements must be evaluated. At least one KN and one RM element from each task must be evaluated. If an element was missed on the knowledge test, evaluation of this element may count as the one element to be evaluated.

Pilot Qualifications (AOI, Task A)

KN:
RM:
SK:

Airworthiness Requirements (AOI, Task B)

KN:
RM:
SK:

Preflight Assessment (AOII, Task C)

KN:
RM:
SK:

Weather Information:

KN:
RM:
SK:

Flight Portion of Practical Test
All SK elements must be evaluated. At least one KN and RM element from each task will be evaluated through observation and/or questioning with emphasis on application of these elements in execution of SK associated with each task.

For the initial navigation tasks the traffic page of the GNS will be selected. This will allow for a thorough evaluation of the pilotage, dead reckoning and use of VOR skills. Evaluation of GPS navigation skills will be done completed during and after the diversion.

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STAGE III FLIGHT LESSON 9
STAGE CHECK (CONT'D)

GROUND OPERATIONS
Preflight Assessment (AO II, Task A)
Engine Starting (AO II, Task C) &
Emergency Equipment (AO IX, Task D)
Taxiing (AOII, Task D)
Before Takeoff Check (AOII, Task F)
After Landing, Parking and Securing (AOXII, Task A)

SK:

KN:

RM:

CROSS COUNTRY NAVIGATION
Pilotage and Dead Reckoning (AOVI, Task A)
Navigation Systems and Radar Services (AO VI, Task B)
Weather Information (AOVI, Task C)
Diversion (AOVI, Task C)
Lost Procedures (AOVI, Task D)

SK:

KN:

RM:

SLOW FLIGHT AND STALLS
Maneuvering During Slow Flight (AOVII, Task A)
Power-Off Stalls (AOVII, Task B)
Power-On Stalls (AOVII, Task C)
Spin Awareness (AOVII, Task D)

SK:

KN:

RM:

PERFORMANCE MANEUVERS
Steep Turns (AOV, Task A)
Ground Reference Maneuvers (AOV, Task B)
At least one of the following:
Rectangular Course
S-Turns
Turns Around a Point

SK:

KN:

RM:

AIRPORT OPERATIONS, TAKEOFF'S
LANDING'S AND GO-AROUNDS
Traffic Patterns (AOIII, Task B)
Normal Takeoff and Climb (AOIV, Task A)
Normal Approach and Landing (AOIV, Task B)
Soft-Field Takeoff and Climb (AOIV, Task C)
Soft-Field Approach and Landing (AOIV, Task D)
Short-Field Takeoff and Max
Performance Climb (AOIV, Task E)
Short-Field Approach and Landing (AOIV, Task F)
Forward Slip to a Landing (AOIV, Task M)
Go Around/Rejected Landing (AOIV, Task N)

SK:

KN:

RM:

COMPLETION STANDARDS
The student will demonstrate proficiency in strict
accordance with the Private Pilot Airman Certification
Standards.
OK: Performance within ACS Standards
U: Performance on task not within ACS standards.
Explanation of unsatisfactory performance in KN, RM
and/or SK lines as appropriate.
NC: Task not evaluated due to not completing the test -
weather cancellation, maintenance, termination due to
failure on an earlier task, etc