PREREQUISITES FOR ENROLLMENT IN THE FLIGHT PORTION OF THE COMMERCIAL PILOT COURSE: You must hold a private pilot certificate with an airplane category and single engine land rating and a medical certificate valid for at least third class privileges prior to enrolling in the flight portion of this course. You must also have an instrument airplane rating, or be concurrently enrolled in the University of Oklahoma Instrument Rating Course and earn your instrument airplane rating prior to completing this course.

COURSE OBJECTIVE: You will obtain the knowledge, skill and aeronautical experience to meet the requirements of 14 CFR, Section 141, Appendix D to earn a commercial 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. Stage V, lessons one and two each must be a minimum of three hours duration. For the rest of the lessons, 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. 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 or assistant 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 complete the required ground training and pass the FAA Commercial Pilot Airplane Knowledge test prior to the completion of flight training.

EXPECTED ACCOMPLISHMENTS AND STANDARDS: To satisfactorily complete each Flight stage you 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 IV, V and X. The stage checks will be administered by the Chief/Assistant Chief Flight Instructor or check instructor approved by the FSDO. The Stage X 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 Commercial Pilot – Airplane Airman Certification Standards.
COMMERCIAL PILOT STAGE X
LESSON TIME ALLOCATION

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*By the completion of Stage X the student will have completed 10 solo takeoffs and landings at night (with each landing involving a flight with a traffic pattern) at an airport with an operating control tower.

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

DL NGT = Dual Night    DL XC = Dual Cross Country    SO XC = Solo Cross Country
INST DL = Instrument    TAA = Technologically Advanced Aircraft
STAGE OBJECTIVE

The objective of this stage is for the student to complete the course requirements and attain the proficiency level required of an instrument/commercial pilot.

STAGE COMPLETION STANDARDS

At the completion of this stage, the student must be able to demonstrate all flight maneuvers and procedures at the proficiency level of an instrument/commercial pilot. The student also will successfully complete the final stage tests and stage checks.
STAGE X FLIGHT LESSON 1 DUAL - LOCAL

LESSON OBJECTIVE: This lesson provides a review of basic ground reference maneuvers, steep power turns and chandelles. The student should begin developing precise airplane control when operating near the performance limits of the airplane.

CONTENT:

Lesson Review
Private Pilot Ground Reference Maneuvers Assigned by the Instructor
Maneuvering During Slow Flight
Simulated Emergency Procedures
  - Emergency Descent
  - Emergency Approach and Landing
  - System and Equipment Malfunctions
Steep Turns
Chandelles

COMPLETION STANDARDS:

The lesson is complete when the student can perform basic ground reference maneuvers to the standards of the Private Pilot Airman Certification Standards. Simulated emergency procedures will be to the standards of the Commercial Pilot Airman Certification Standards. Steep Turns and Chandelles will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exceptions:

Steep Turns: Altitude +/- 150 feet, roll out heading +/-15 degrees
Chandelles: Roll out heading +/- 15 degrees
STAGE X LESSON 2 DUAL - LOCAL

LESSON OBJECTIVE: The objective of this lesson is to review systems and basic flight operations.

CONTENT:
Lesson Introduction
Preflight Preparation and Procedures
- Certificates and Documents
- Operation of Airplane Systems
- Determining Performance and Limitations
- Use of Checklists
- Cockpit Management
- Visual Inspection
- Engine Starting
- Taxiing
- Pretakeoff Check
- Minimum Equipment List
- Airport Operations
Takeoffs and Landings
- Normal
- Crosswind
Climbs and Descents
Steep Turns
Cruise Procedures
Power Settings and Mixture Leaning
Use of Constant-Speed Propeller and Effects Upon Aircraft Performance
Use of Retractable Landing Gear and Flaps
Go-Around From Rejected (Balked) Landing
Post Flight Procedures

COMPLETION STANDARDS:
At the completion of the flight, the student should display a working knowledge of the airplane systems. Tasks will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exception:

Steep Turns: Altitude +/- 150 feet, roll out heading +/-15 degrees
STAGE X FLIGHT LESSON 3 SOLO - LOCAL

LESSON OBJECTIVE: This lesson provides the student with the opportunity to practice basic flight maneuvers to further develop coordination and airplane control.

CONTENT:
Lesson Review
Stalls
  - Power-Off
  - Power-On
  - Accelerated
Maneuvering During Slow Flight
Normal Takeoffs and Landings
Private Pilot Ground Reference Maneuvers Assigned by the Instructor

COMPLETION STANDARDS:
This lesson is complete when the student has conducted the assigned flight. The student should attempt to gain proficiency in the planning of each maneuver.
STAGE X FLIGHT LESSON 4 DUAL - LOCAL

LESSON OBJECTIVE: This lesson provides a review of the listed tasks.

CONTENT:
Lesson Review
Visual Inspection
Cruise Procedures
Power Settings and Mixture Leaning
Descents
Steep Turns
Maneuvering During Slow Flight
Stalls
  - Power-Off
  - Power-On
  - Accelerated
Takeoffs and Landings
  - Short-Field
  - Soft-Field

COMPLETION STANDARDS:
The tasks will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exceptions:

Short Field Landing touchdown -0 to +150 feet.

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 _______________________________________________________

FOR XC FLIGHTS, LIST DESTINATIONS: _________________________________

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 X FLIGHT LESSON 5 DUAL - LOCAL – TAA 2nd Hour

LESSON OBJECTIVE: This lesson presents additional instruction in chandelles and steep power turns and reviews instrument procedures. Maximum performance takeoffs and landings are practiced to increase the student's proficiency in the takeoff and landing phases of flight. The Instrument portion of this lesson will be conducted in a Technically Advanced Airplane.

CONTENT:
Lesson Review
Steep Turns
Chandelles
Steep Spiral
Eights-On-Pylons
Traffic Patterns
Short-Field Takeoff and Landing
Soft-Field Takeoff and Landing
Power-Off 180 Degree Accuracy Approach and Landing

Lesson Review
Instrument Approaches
  - Precision
  - Non-Precision
Holding
Simulated Failure of the PFD

COMPLETION STANDARDS:
The maneuvers and landings will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exceptions:
Chandelles: Roll out heading: +/-15 degrees
Steep Spiral: Airspeed +/-15 knots
Power Off Accuracy Landing: Touchdown -0 to +300 feet
Eights On Pylons: Hold pylon to within one wing width

For the instrument review the student will correctly interpret the PFD and MFD and correctly program the flight director. Instrument Approaches and holds will be performed to the standards of the Instrument Rating Airplane Airman Certification Standards.

STUDENT NAME _______________________________ ID# _________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # _CRM_ FLIGHT STAGE # _X_ LESSON # _1005_
SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION_____

HOBBS / TAC: IN __________/__________ REMARKS: _______________
OUT __________/__________ _______________________
STAGE X FLIGHT LESSON 6 SOLO - LOCAL

LESSON OBJECTIVE: The student will attempt to gain proficiency through the review of the listed maneuvers.

CONTENT:
Lesson Review
Steep Turns
Chandelles
Maneuvering During Slow Flight
Short-Field Takeoffs and Landings
Soft-Field Takeoffs and Landings
Power-Off Stalls
Power-On Stalls
Accelerated Stalls
Lazy Eights
Steep Spiral
Eights On Pylons

COMPLETION STANDARDS:
This lesson is complete when the student has conducted the assigned maneuvers. During the lesson, the student should attempt to minimize the transition and setup time between each maneuver.

STUDENT NAME _______________________________ ID# __________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1006
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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DATE: __________________ ENTERED BY __________________
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      OUT _______________ SYLL. LESSON ________________
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HOBBs / TAC: IN _______/___________ REMARKS: ______________
             OUT _______/___________
             TOTAL TIME __________________
STUDENT SIGNATURE ____________________________________________
INSTRUCTOR SIGNATURE __________________________________________

STAGE X FLIGHT LESSON 7 DUAL - LOCAL – TAA 2nd Hour

LESSON OBJECTIVE: This lesson provides a review and evaluation of the student’s progress during the previous solo lessons, including lazy eights, and eights-on-pylons. The instrument portion of this lesson will be conducted in a Technically Advanced Airplane

CONTENT:
Lesson Review
Chandelles
Normal Takeoffs and Landings
Crosswind Takeoffs and Landings
Power-Off 180 Degree Accuracy Approach and Landing
Wake Turbulence Avoidance
Lazy Eights
Steep Spiral
Eights-On-Pylons

Lesson Review
Instrument Approaches
- Precision
- Non-Precision

Holding
Recovery From Unusual Attitudes
Simulated Failure of the PFD

COMPLETION STANDARDS:
The maneuvers and landings will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exceptions:
Power-Off Accuracy Landings: Touch down -0 to +300 feet
Lazy Eights: 180 degree point altitude/airspeed within 200 feet/15 knots of entry altitude/airspeed

For the instrument review the student will correctly interpret the PFD and MFD and correctly program the flight director and operate the autopilot. Instrument approaches, holds and recovery from unusual attitudes will be performed to the Instrument Rating Airman Certification Standards.
STAGE X FLIGHT LESSON 8 DUAL - LOCAL

LEsson OBJECTive: During this lesson, the student is provided with a review of emergency procedures and commercial pilot maneuvers.

CONTENT:
Lesson Review
- Visual Inspection
- Determining Performance and Limitations
- Takeoffs and Landings
  - Normal
  - Go-Around from Rejected (Balked) Landing
- Climb
- Descent
- Steep Turn
- Stall
  - Power-On
  - Power-Off
  - Accelerated
- Takeoffs and Landings
  - Short-Field
  - Soft-Field
- Simulated Emergency Procedures
  - Emergency Descent
  - Emergency Approach and Landing (Simulated)
  - System and Equipment Malfunctions
- Chandelles
- Lazy Eights
- Steep Spiral
- Eights-On-Pylons

Completion Standards:
Tasks will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exception:
Lazy Eights: 180 degree point altitude/airspeed within 150 feet/15 knots of entry airspeed/altitude.
STAGE X FLIGHT LESSON 9 DUAL - LOCAL

**LESSON OBJECTIVE:** This lesson allows the student to increase proficiency in the listed tasks.

**CONTENT:**

**Lesson Review**
- Visual Inspection
- Power Settings and Mixture Leaning
- Climbs
- Descents
- Steep Turns
- Takeoffs and Landings
  - Short-Field
  - Soft-Field
- Power-Off 180 Degree Accuracy Approach and Landing
- Completion of 10 Takeoffs and 10 Landings to a Full Stop

**COMPLETION STANDARDS:**

The tasks will be performed to the standards of the Commercial Pilot Airman Certification Standards with the following exception:

- Power-Off Accuracy Landing: Touch down point -0 to +300 feet

**UNIVERSITY OF OKLAHOMA**

STUDENT NAME _______________________________ ID# _________________

INSTRUCTOR NAME ____________________________ CERT# ________________

AIRCRAFT # ___________ FLIGHT ___________ STAGE # X ___________ LESSON # 1009

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 X FLIGHT LESSON 10 SOLO – CROSS COUNTRY

LESSON OBJECTIVE:
This lesson maintains student proficiency in cross-country flights. The flight will include a landing at a point more than 50 nautical miles from the original departure point.

CONTENT:
Lesson Review
Cross-Country Flight Planning
Cross-Country Navigation
- Dead Reckoning
- Pilotage
- VOR Navigation
- GPS Navigations
- Controlled Airport Operations
- Uncontrolled Airport Operations

COMPLETION STANDARDS:
This lesson is complete when the student has conducted a solo cross-country flight to include a landing at a point more than 50 nautical miles from the original departure point. The student will demonstrate continued proficiency in cross-country operations.

UNIVERSITY OF OKLAHOMA
STUDENT NAME _______________________________ ID# _______________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1010
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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OUT _______________ SYLL. LESSON _________________
TOTAL _______________ PROCESSED ON _________________
HOBBS / TAC: IN __________/__________ REMARKS: __________________
OUT __________/__________
TOTAL TIME __________________
STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE ___________________________________________
STAGE X FLIGHT LESSON 11 DUAL - LOCAL, NIGHT

LESSON OBJECTIVE: This lesson reviews the student's night flight operations and the differences encountered between day and night flight.

CONTENT:
Lesson Introduction
Night Ground Operations
  - Aeromedical Factors
  - Personal Equipment Recommended
  - Night Flight Preparation
  - Night Preflight Inspections
Airport and Runway Markings and Lighting
Takeoffs and Landings
  - Normal
  - Crosswind
  - Controlled and Uncontrolled Airports
Stalls
  - Power-Off
  - Power-On
Maneuvering During Slow Flight
Steep Turns
Simulated Emergency Procedures
  - Emergency Descent
  - Emergency Approach and Landing
  - Systems and Equipment Malfunctions
Go-Around From Rejected (Balked) Landing

COMPLETION STANDARDS:

The student will display knowledge of night operations to the standards of the Private Pilot Airman Certification Standards. The maneuvers will be performed to the standards of the Commercial Pilot Airman Certification Standards.

STUDENT NAME _______________________________ ID# _______________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1011
SAT ____% UNSAT ____% INCOMPLETE ____% CANCELLATION______

HOMEWORK COMPLETE: Y / N (% grade is normally part of the lesson grade.)
Note:
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  2. If cancellation state reason.
REMARKS:
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      OUT ______________ SYLL. LESSON ______________
      TOTAL ____________ PROCESSED ON ____________

HOBBS / TAC: IN ________/__________ REMARKS: __________________
      OUT ________/__________
      TOTAL TIME ______________

STUDENT SIGNATURE __________________________________________
INSTRUCTOR SIGNATURE _________________________________________
STAGE X FLIGHT LESSON 12 SOLO - LOCAL, NIGHT

LESSON OBJECTIVE: This lesson provides night solo practice so the student may gain proficiency and confidence in the night environment.

CONTENT:
Lesson Review
Takeoffs and Landings
   - Normal
   - Crosswind

COMPLETION STANDARDS:
This lesson is complete when the student has conducted the solo night flight. During the flight, the student should attempt to gain proficiency in takeoffs and landings in the night environment.

NOTE: Through a combination of Stage IV Lessons 12, 17, & 21 and Stage X Lesson 12, the student will have completed a combined 10 takeoffs and landings (with each landing involving a flight with a traffic pattern) at an airport with an operating control tower.
STAGE X FLIGHT LESSON 13 SOLO - LOCAL, NIGHT

LESSON OBJECTIVE: The object of this lesson is to increase the student's proficiency in night operations. Night flight procedures, therefore, are reviewed and practiced in this session.

CONTENT:
Lesson Review
- Steep Turns
- Maneuvering During Slow Flight
- Takeoffs and Landings

COMPLETION STANDARDS:
The student's increase in night proficiency to that of a commercial pilot will be evident during the postflight evaluation. The student will thoroughly explain the additional operational aspects and safety considerations which are associated with night flight.

UNIVERSITY OF OKLAHOMA
STUDENT NAME _______________________________ ID# _______________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1013
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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      TOTAL ____________ PROCESSED ON ____________

HOBBS / TAC: IN ________/_______ REMARKS: _________________________
            OUT ________/_______
            TOTAL TIME __________________

STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE ___________________________________________

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TIME: IN ________________ INVOICE _____ FLIGHT REC __________
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      TOTAL ____________ PROCESSED ON ____________

HOBBS / TAC: IN ________/_______ REMARKS: _________________________
            OUT ________/_______
            TOTAL TIME __________________

STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE ___________________________________________
STAGE X FLIGHT LESSON 14 SOLO - LOCAL

LESSON OBJECTIVE: This lesson will provide solo practice of the flight maneuvers so that the student can acquire added proficiency.

CONTENT:
Lesson Review
Steep Turns
Chandelles
Lazy Eights
Steep Spiral
Eights-On-Pylons
Takeoffs and Landings
  - Short-Field
  - Soft-Field
  - Crosswind
Power-Off 180 Degree Accuracy Approach and Landing

COMPLETION STANDARDS:
This solo lesson is complete when the student has conducted the assigned flight. During the flight, the student should attempt to attain or maintain commercial pilot proficiency.

STUDENT NAME _______________________________ ID# _________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1014
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 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 X FLIGHT LESSON 15 DUAL - LOCAL – TAA 2nd Hour

LESSON OBJECTIVE: This lesson provides a review for the student and an opportunity to correct any areas of faulty performance. The instrument portion of this lesson will be conducted in a Technically Advance Aircraft.

CONTENT:
Lesson Review
Chandelles
Lazy Eights
Eights-On-Pylons
Steep Turns
Steep Spiral

Lesson Review
Instrument Approaches
- Precision
- Non-Precision
Simulated Failure of the PFD

COMPLETION STANDARDS:
The student will perform the maneuvers to the standards of the Commercial Pilot Airman Certification Standards. For the instrument review the student will correctly interpret the PFD and MFD and correctly program the flight director and use the autopilot. Instrument procedures will be performed to the standards of the Instrument Rating Airman Certification Standards.

UNIVERSITY OF OKLAHOMA

STUDENT NAME _______________________________ ID# __________________
INSTRUCTOR NAME ____________________________ CERT# ______________

AIRCRAFT #  CRM FLIGHT  STAGE #  X  LESSON #  1015

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 X FLIGHT LESSON 16 DUAL - LOCAL, INSTRUMENT - TAA

LESSON OBJECTIVE: This lesson reviews precision and non-precision approaches and holding procedures. It will be conducted in a Technically Advance Airplane.

CONTENT:

Lesson Review
Holding
Non-Precision Approaches
Precision Approaches
Simulated Failure of the PFD

COMPLETION STANDARDS:

The student will correctly interpret the PFD and MFD and correctly program the flight director and use the autopilot. Instrument approaches and holds will be performed to the Instrument Rating Airman Certification Standards.

UNIVERSITY OF OKLAHOMA

STUDENT NAME _______________________________ ID# _________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1016
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

PFD_FAILURE_AT_LEAST_ONE_APPROACH______________________________
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DATE: __________________ ENTERED BY _______________________
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OUT ________________ SYLL. LESSON ________________
TOTAL ________________ PROCESSED ON ________________

HOBBS / TAC: IN ______/_______ REMARKS: _______________________
OUT ______/_______
TOTAL TIME __________________

STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE _________________________________________
STAGE X FLIGHT LESSON 17 SOLO - LOCAL

LESSON OBJECTIVE: This lesson is a solo review lesson designed to increase the student's proficiency.

CONTENT:
Lesson Review
Lazy Eights
Eights-On-Pylons
Chandelles
Steep Turns
Steep Spiral
Power-Off 180 Degree Accuracy Approach and Landing

COMPLETION STANDARDS:
This lesson will be complete when the student has conducted the assigned solo flights. During each flight, the student should attempt to perform lazy eights with symmetrical loops and eights-on-pylons, chandelles, and steep power turns with smoothness and coordination. During steep spirals the student will adjust bank angle to maintain a constant radius from the selected point and pitch to maintain a constant airspeed. During the power-off 180 degree accuracy approach and landing the student will factor in the wind to correctly adjust the approach course to touch down on or 200 feet beyond the selected point.
STAGE X FLIGHT LESSON 18 DUAL - LOCAL

LESSON OBJECTIVE: This lesson is a review to maintain proficiency in the listed tasks and maneuvers.

CONTENT:

Lesson Review

Visual Inspection
Cruise Procedures
Power Settings and Mixture Leaning
Climbs
Descents
Steep Turns
Chandelles
Lazy-Eights
Steep Spiral
Eights-On-Pylons
Maneuvering During Slow Flight
Stalls
- Power-Off
- Power-On
- Accelerated
Takeoffs and Landings
- Short-Field
- Soft-Field
Power-Off 180 Degree Accuracy Approach and Landing

COMPLETION STANDARDS:

The student will perform the listed tasks and maneuvers to the standards of the Commercial Pilot Airman Certification Standards.

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TOTAL TIME

STUDENT SIGNATURE___________________________________________
INSTRUCTOR SIGNATURE_________________________________________

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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TIME: IN ________________

INVOICE _______ FLIGHT REC _______
STAGE X FLIGHT LESSON 19 DUAL - LOCAL

LESSON OBJECTIVE: During this lesson, the student is provided with a review of basic flight procedures along with the practice of emergency procedures, attitude instrument flying, and takeoffs and landings.

CONTENT:
Lesson Review
Visual Inspection
Determining Performance and Limitations
Takeoffs and Landings
  - Normal
  - Go-Around From Rejected (Balked) Landing
Power Settings and Mixture Leaning
Use of Landing Gear and Flaps
Climbs
Descents
Steep Turns
Maneuvering During Slow Flight
Stalls
  - Power-Off
  - Power-On
  - Accelerated
Takeoffs and Landings
  - Short-Field
  - Soft-Field
Simulated Emergency Procedures
  - Emergency Descent
  - Emergency Approach and Landing
  - System and Equipment Malfunctions
  - Fire in Flight
Full Panel Instrument
  - Straight and Level
  - Climbs
  - Climbing Turns
  - Descents
  - Descending Turns
  - Standard-Rate Turns
  - Recovery From Unusual Flight Attitudes
  - Maneuvering During Slow Flight

COMPLETION STANDARDS:
The student will perform the visual tasks to the standards of the Commercial Pilot Airman Certification Standards. Instrument tasks will be performed the standards of the Instrument Airplane Airman Certification Standards.
STAGE X FLIGHT LESSON 20 SOLO - LOCAL

LESSON OBJECTIVE: The objective of this lesson is the same as previous solo lessons. The student is provided with the opportunity to review and practice flight maneuvers to gain added proficiency.

CONTENT:
Lesson Review
Power-Off Stalls
Power-On Stalls
Accelerated Stalls
Maneuvering During Slow Flight
Steep Turns
Chandelles
Steep Spiral
Lazy Eights
Eights-On-Pylons
Short-Field Takeoffs and Landings
Soft-Field Takeoffs and Landings
Power-Off 180 Degree Accuracy Approach and Landing

COMPLETION STANDARDS:
This lesson will be completed when the student has conducted the assigned solo flight. During the flight, the student should attempt to increase accuracy and coordination on the listed maneuvers.

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DATE: ________________  ENTERED BY ____________________
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      OUT ________________  SY LL. LESSON ________________
      TOTAL ________________  PROCESSED ON ________________

HOBBS / TAC: IN ______/_______  REMARKS: ________________
             OUT ______/_______
             TOTAL TIME ________________

STUDENT SIGNATURE __________________________________________
INSTRUCTOR SIGNATURE _________________________________________

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: __________________________________________________
STAGE X FLIGHT LESSON 21 DUAL - LOCAL

LESSON OBJECTIVE: The objective is to determine the student's VFR proficiency. The instructor is to choose the maneuvers to be performed.

CONTENT:
Lesson Review
Chandelles
Power-Off 180 Degree Accuracy Approach and Landing
Eights-On-Pylons
Steep Turns
Stalls
Maneuvering During Slow Flight
Lazy Eights
Steep Spirals
Takeoffs and Climbs
   - Normal
   - Crosswind
   - Short-Field
   - Soft-Field
Approaches and Landings
   - Normal
   - Crosswind
   - Short-Field
   - Soft-Field
   - Go-Around From Rejected (Balked) Landing
- Power-Off 180 Degree Accuracy Approach and Landing
Cockpit Management
After Landing Procedures

COMPLETION STANDARDS:
All maneuvers will be performed according to the Commercial Pilot Airman Certification Standards.
STAGE X FLIGHT LESSON 22 DUAL

LESSON OBJECTIVE: This lesson is the final dual review of the commercial flight maneuvers. The objective is to determine the student's preparedness for the last stage check.

CONTENT:
Lesson Review
Chandelles
Lazy Eights
Steep Spiral
Eights-On-Pylons
Steep Turns
Takeoffs and Landings
  - Short-Field
  - Soft-Field
  - Crosswind
  - Power-Off 180 Degree Accuracy Approach and Landing
Go-Around From Rejected (Balked) Landing
Simulated Emergency Procedures
  - Landing Gear Malfunction
  - Systems and Equipment Malfunction
  - Emergency Descent
  - Emergency Approach and Landing

COMPLETION STANDARDS:
The lesson is complete when the student can perform each of the listed maneuvers to the minimum performance standards outlined in the current FAA commercial pilot airman certification standards.

STUDENT NAME _______________________________ ID# _______________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # CRM FLIGHT STAGE # X LESSON # 1022
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 _______________

HOBBS / TAC: IN ___________/ ___________ REMARKS: _______________
              OUT ___________/ ___________ _________________________
              TOTAL TIME ___________________________________________
STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE ___________________________________________
STAGE X LESSON 23 QUIZ

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

CONTENT: The quiz will cover the following areas:

- Aircraft Airworthiness Requirements
- Aircraft Systems
- Airspace
- Weather Products/Services
- Slow Flight and Stalls
- Landings – Short Field, Soft Field and Power Off 180 Degree Accuracy
- Maneuvers – Steep Turns, Chandelles, Steep Spirals, Lazy 8’s and 8’s on Pylons

COMPLETION STANDARDS:
This lesson is complete when the student scores a 70% or better. In addition, the instructor is responsible for reviewing those questions missed.

STUDENT NAME _______________________________ ID# _________________
INSTRUCTOR NAME ____________________________ CERT# ______________
AIRCRAFT # _____ QUIZ _____ FLIGHT _____ STAGE # _____ X _____ LESSON # _____ 1023

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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DATE: __________________ ENTERED BY __________________
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OUT _____________ SYLL. LESSON _________________
TOTAL _____________ PROCESSED ON _________________

HOBBS / TAC: IN _______/_______ REMARKS: __________________
OUT _______/_______ TOTAL TIME _________________
STUDENT SIGNATURE _____________________________________________
INSTRUCTOR SIGNATURE ___________________________________________
STAGE X FLIGHT LESSON 24 DUAL

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 Commercial Pilot – Airplane 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 note 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 lesson plan. These items must be evaluated as part of the stage check.

CONTENT: The applicant will plan a VFR cross country flight using real world weather. 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 KN, RM or SK lines as appropriate.

(CONTINUED ON NEXT PAGE)
**STAGE X FLIGHT LESSON 24 (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. At the evaluator’s discretion more than one element may be evaluated.

Pilot Qualifications (AOI, Task A)

KN:
RM:
SK:

Airworthiness Requirements (AOI, Task B)

KN:
RM:
SK:

Preflight Assessment (AOII, Task A)

KN:
RM:
SK:

Weather Information (AOI, Task C)

KN:
RM:
SK:

Cross-Country Flight Planning (AOI, Task D)
Performance and Limitations (AOI, Task F)
Emergency Equipment and Survival Gear (AOIX, Task D)
National Airspace System (AOI, Task E)
High Altitude Operations (AOVIII, Tasks A and B)

KN:
RM:
SK:

Operation of Systems (AOI, Task G)

KN:
RM:
SK:

Human Factors (AOI, Task H)

KN:
RM:
SK:

Spin Awareness (AOVII, Task E)

KN:
RM:
SK:

(CONTINUED ON NEXT PAGE)
STAGE X FLIGHT LESSON 24 (CONT’D)

**Flight Portion of Practical Test:** All SK elements must be evaluated. At least one KN and RM element from each task will be evaluated. This may be accomplished through questions asked during the ground portion of the test, or as safety of flight permits, asking questions during the flight to test KN and RM elements not evident in the demonstrated skills.

Flight Deck Management (AOII, Task B) – Evaluated throughout the flight

SK:

KN:

RM:

Communications and ATC Light Signals and Runway Lighting Systems (AOIII, Task A) – Evaluated throughout the flight

SK:

KN:

RM:

Operation of Systems (AOI, Task G) – Evaluated throughout the flight

SK:

KN:

RM:

**EMERGENCY OPERATIONS (These tasks inserted at times selected by the evaluator)**

Systems and Equipment Malfunction (AO IX, Task C)
- At least three system malfunctions

Emergency Descent (AOIX, Task A)

Emergency Approach an Landing (AOIX, Task B)

SK:

KN:

RM:

**GROUND OPERATIONS**

Preflight Assessment (AOII, Task A)

Engine Starting (AOII, Task C) & Emergency Equipment (AOIX, Task D)

Taxiing (AOII, Task D)

Before Takeoff Check (AOII, Task F)

After Landing, Parking and Securing (AOXI, Task A)

SK:

KN:

RM:

(CONTINUED ON NEXT PAGE)
STAGE X FLIGHT LESSON 24 (CONT’D)

CROSS COUNTRY NAVIGATION
Pilotage and Dead Reckoning (AOVI, Task A)
Navigation Systems and Radar Services (AOVI, Task B)
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)
Accelerated Stalls (AOVII, Task D)

SK:

KN:

RM:

PERFORMANCE MANEUVERS
Steep Turns (AOV, Task A) or Steep Spirals (AOV, Task B)
Chandelles (AOV, Task C) or Lazy Eights (AOV, Task D)

SK:

KN:

RM:

GROUND REFERENCE MANEUVER
Eights on Pylons (AOV, Task E)

SK:

KN:

RM:

AIRPORT OPERATIONS, TAKEOFF’S, LANDINGS and GO-AROUNDS
Traffic Patterns (AOIII, Task B)
Norman Takeoff and Climb (AOIV, Task A)
Normal Approach/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)
Power-Off 180 Degree Approach and 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 Commercial Pilot – Airplane Airman Certification Standards and will OK:
Task performed satisfactorily 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 of earlier task, etc.