PPC TCO REV XII 6.21.21

Revision XII

6/21/21

PRIVATE PILOT CERTIFICATION COURSE
-ASEL-

Bridgewater State University holds Pilot School Certificate No. **LY8S311Q**

Bridgewater State University is an accredited four-year degree granting institution within the state of Massachusetts higher educational system. The base of operations/business address is 111 Harrington Hall, Bridgewater, MA 02325.

The Facilities Manual is Part 1 of the Training Course Outline and meets the requirements of 14 CFR Part 141.55 (c), subsections 1-5.
Ground and Flight Course Manuals are contained in Part 2 and meet the requirements of the Training Course Outline specified in 14 CFR 141.55 (c) 6-8.

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RECORD OF REVISIONS

REV. #	DATE	CONTENT	INITIAL
I	2/18/09	Updates facility briefing room locations, facility diagram, and adds Asst. Chief (Ground and Flight)	
II	6/2/09	Updates table of contents, removes Jeppesen references as required ground school course material.	
III	8/17/09	Increases level of performance on Stage I and II flight lessons to meet PTS. Increases level of performance on Stage III flight lessons to exceed PTS. Clarifies requirement for number of stall maneuvers on various lessons.	
IV	10/14/09	Lesson #4 introduces power on and power off stalls (VR/IR) and lessons #5 and #15 add review of these same tasks.	
V	9/20/10	Updates subject areas and tasks on ground lessons 1 – 3, 12, 14 – 16. Corrects grammatical errors in Stage I and Stage II lessons, lesson completion standards on lessons 8/9. Updates language throughout to reflect name change from Bridgewater State College to Bridgewater State University.	
VI	7/15/13	Moves AATD lessons from stage I to stage II. Updates lessons in all stages to increase emphasis on basic VFR airmanship, ADM.	
VII	8/5/13	Reduces number of stages in course to (2). Re-aligns ground lessons to more closely parallel flight lessons. Increases emphasis on airmanship and ADM.	
VIII	12/6/16	Converts all appropriate sections to Airman Certification Standards.	
IX	1/12/18	Change of Chief Instructor/Assistant Chief Instructor(s), addition of Redbird AATD.	
X	7/10/18	Changes to Lesson content and order, addition of CPTs, Addition of 3 mandatory ground lessons and 2 CPT/AATD lessons in Flight Course	
XI	9/17/20	Change of chief instructor, updated airport diagram, facility diagram, corrected list of affected pages, adds TAA as available training aircraft, minor grammar corrections.	
XII	6/21/21	Change of Chief and Assistant Chief Instructors, addition of distance learning capability, adds satellite location, corrected list of affected pages, minor grammar corrections.	

NOTE
After inserting a revision, enter the date the revision is to be effective, and place your initials in the appropriate column. The manual holder is responsible for maintaining current revisions

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PRIVATE PILOT CERTIFICATION COURSE -ASEL-

PART I

FACILITIES MANUAL

The Facilities Manual is Part 1 of the Training Course Outline and meets the requirements of 14 CFR Part 141.55 (c), subsections 1-5.

PART I

FACILITIES MANUAL

Table of Contents

Bridgewater State University Facility

The Bridgewater State University campus located in Bridgewater, Massachusetts, is the primary business address and administrative office for this course.

Academics

The academics facilities are located on the campus of Bridgewater State University, Harrington Hall, 95 Grove Street, Bridgewater, Massachusetts. Bridgewater State University may elect to conduct the academic ground courses for students at its' flight training facility, located at New Bedford Regional Airport, New Bedford, Massachusetts.

Distance Learning

Bridgewater State University may deliver ground training in accordance with 14 CFR 141.53(d) utilizing internet-based tools described below.

- All courses are delivered using the Blackboard learning management system that requires a unique login to ensure identification/authorization, confidentiality, and access control. Blackboard allows out-of-class communications, attendance tracking, in-class discussion, participation, questions and answers, assignment feedback, and assessment feedback.
- Access to Blackboard is available through (4) different internet browsers.
- Blackboard monitors attendance for record-keeping compliance. Participants will be noted in their paper records to differentiate participants in the distance learning platform.
- A secure internet proctoring resource (Respondus Lockdown Browser) ensures integrity of stage exams, end-of-course and final exams.
- The Principle Operations Inspector (POI) receives a Blackboard account to allow for remote access to each course in accordance with 14 CFR 141.53(d)(2).

Classrooms

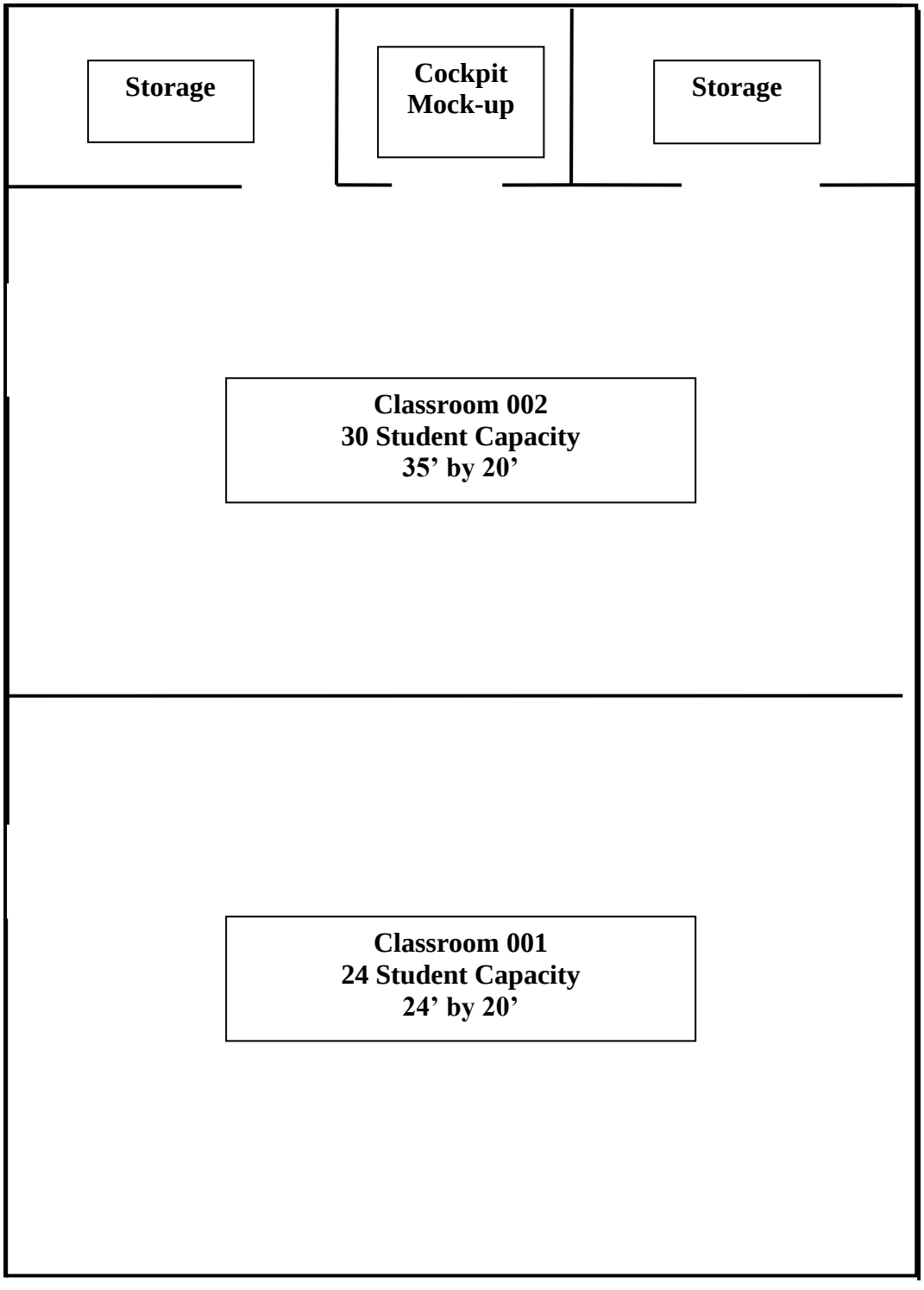
Academic classes will typically be conducted in Harrington Hall in two (2) classrooms located on the ground floor of the building. Classroom 001 measures 24' by 20' and can accommodate 24 students. Classroom 002 measures 35' by 20' and can accommodate 30 students. Both classrooms contain computerized projection equipment and dry erase boards. Other rooms may be available and assigned by the University as necessary.

Ground Training Aids

- Overhead projector with Audio/Visual capability
- Computer terminal including internet access
- Video projector with DVD capability
- Ceiling-mounted video projector unit
- Wall-mounted dry-erase board

NOTE
All classrooms and administrative areas comply with current local building, health and sanitation codes. All rooms are enclosed and easily accessible, and provide a clean instructional environment free from outside distractions.

Bridgewater State University Classroom Diagram



New Bedford (KEWB) Flight Training Center

Bridgewater State University's Aviation Training Center, located at the New Bedford Regional Airport at 1852 Shawmut Avenue, North Dartmouth, MA 02747, is the central location for all flight training activity.

Aircraft

Bridgewater State University's flight training program may utilize two (2) aircraft for this course of training:

The Piper PA-28R Arrow is a four-place, single-engine, complex aircraft with dual flight controls. The aircraft is rated in the Normal category and certified for Day/Night VFR/IFR Operations. The aircraft meets the requirements of 14 CFR Part 141.39 and 141.75.

The Cessna 172 is a four-place, single-engine, non-complex aircraft with dual flight controls. The aircraft is rated in the Normal and Utility categories and is certified for Day/Night VFR/IFR Operations. The aircraft meets the requirements of 14 CFR Part 141.39 and 141.75. Two (2) of the Cessna 172 aircraft qualify as Technically Advanced Airplanes per the requirements of 14 CFR Part 61.1 and 61.129(j).

Special equipment required for the course includes a VOR receiver, LOC and GS receivers, Transponder with Mode C, and GPS.

AATDs

Bridgewater State University's flight training program may utilize the following advanced aviation training devices for this course of training:

(1) Redbird Model LD, FMX

CPTs

Bridgewater State University's flight training program may utilize four (4) identical C-172R Cockpit Procedures Trainers (CPTs) for this course of training.

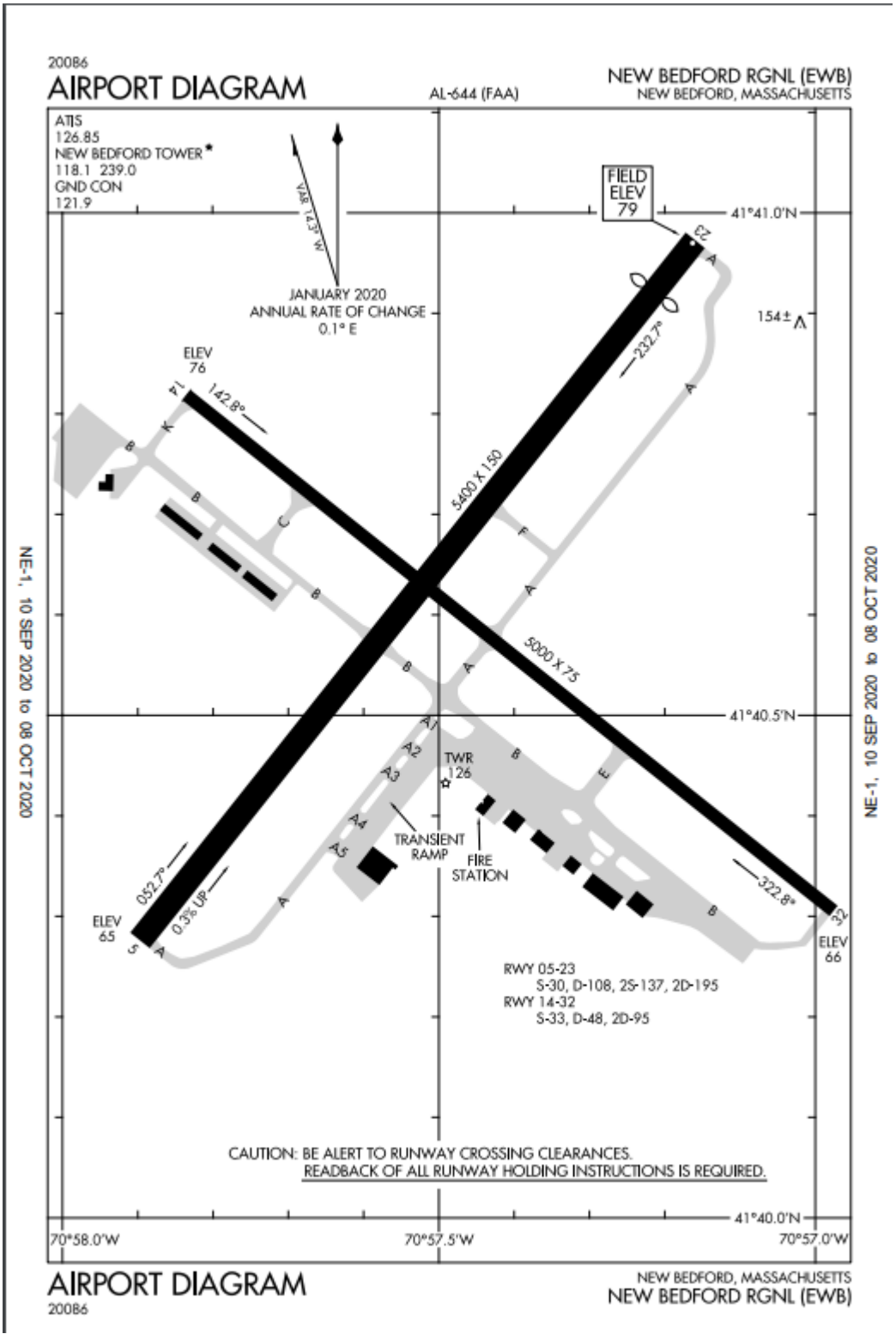
New Bedford Regional Airport

The New Bedford Regional Airport (KEWB) is the main flight training center for the Bridgewater State University aviation program. KEWB contains two (2) hard-surfaced runways and meets the requirements of 14 CFR Part 141.38 for both day and night flight operations. KEWB has an operational control tower that is staffed from 0700 – 2200 local time. The airport has operable ILS, LOC, LOC/BC, and GPS approaches. Maintenance service is available from 0700 – 1700 and on call during evening and night flight operations. Fuel service is available 0700 – 2000 daily, on call at other times.

Training Airports

All airports used for training operations meet the requirements of 14 CFR Part 141.38. Guidance for use of these airports is provided for flight instructors and students via the Approved Airports listing in the Bridgewater State University Aviation Operations Manual. The Chief Flight Instructor or his/her designee may approve the use of any public-use airport listed in the current Chart Supplement.

New Bedford Regional (EWB) Airport Diagram



Flight Briefing Area

The main flight briefing area is centrally located within the operations building and measures 22' by 33'. It is equipped with briefing tables, chairs, cubicles (equipped with dry erase boards), a computer-based weather information station that provides textual and graphic weather reports and forecasts, and a landline phone connecting to a FSS Briefer. The room can accommodate up to 40 persons. There is a partition between the briefing area and the AATD Rooms (described below) that when removed allows for a 44' by 33' space that can be used for large meetings.

AATD Room

The Advanced Aviation Training Devices are located in a room adjacent to the Flight Briefing Area. The room measures 22' by 32'.

Classroom Area

The classroom area is located at the southeast corner of the facility, and is accessible from either the main facility entrance or from the rear of the classroom on the rearward side of the building. The classroom measures 23' by 34' and accommodates up to 50 persons. The room is equipped with tables, chairs, and dry erase boards.

Administrative Offices

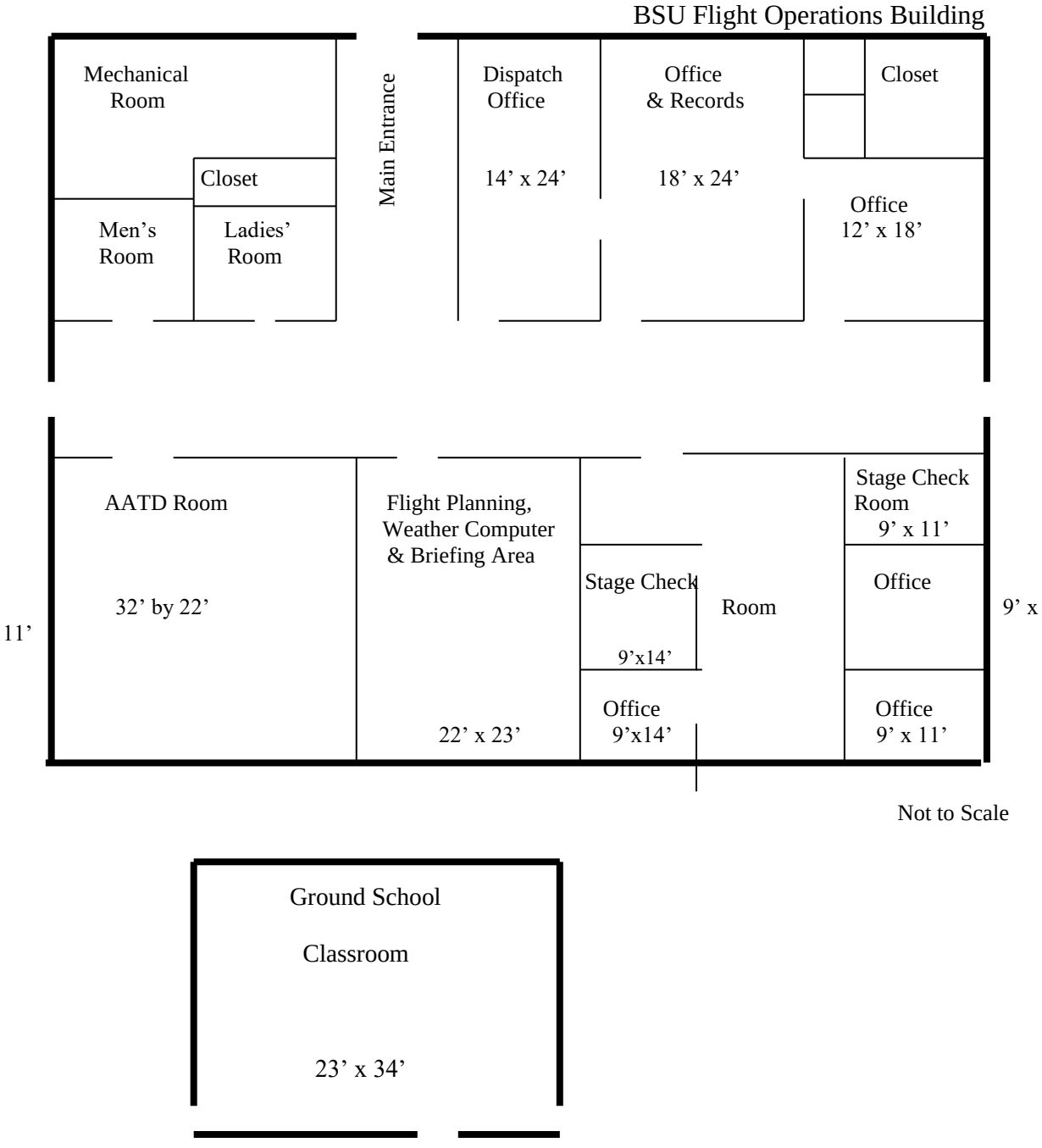
The facility contains multiple administrative offices. Measuring 9' by 11', 9' by '14', 12' by 18', 14' by 24', 16' by 22' or 18' by 24', each can accommodate (5) to (10) persons, respectively.

Ground Training Aids

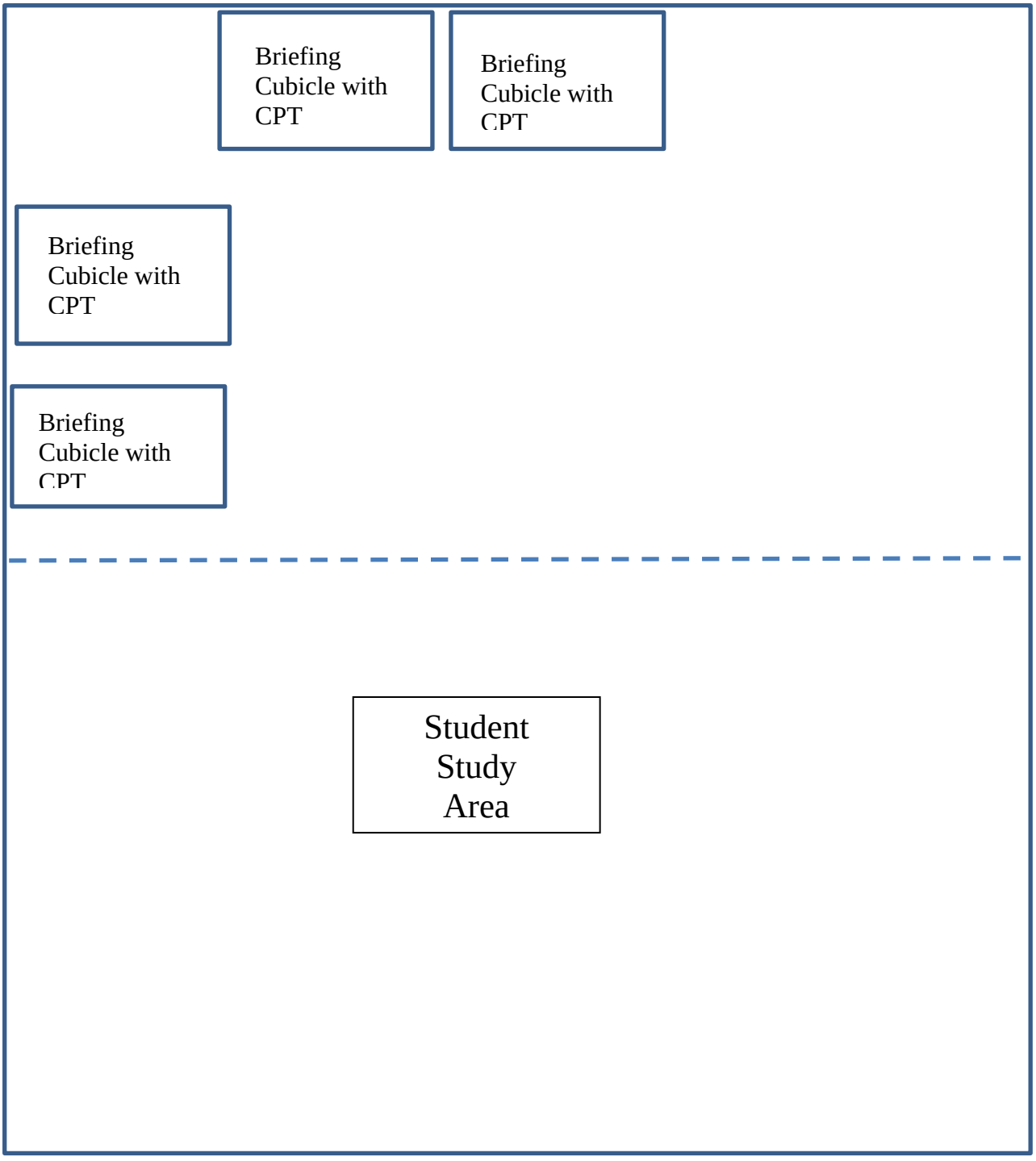
- Overhead projector with audio/visual capability
- Computer terminal including internet access
- Video projector with DVD capability
- Ceiling-mounted video projector unit
- Wall-mounted dry-erase board
- Aeronautical charts, publications, and aircraft components for training purposes only
- Resource library
- C172R Cockpit Procedures Trainers (CPT)

NOTE
All classrooms and administrative areas comply with current local building, health and sanitation codes. All rooms are enclosed and easily accessible, and provide a clean instructional and operational environment free from outside distractions.

Flight Training Center Diagram



CENTRAL BAY AREA



PRIVATE PILOT CERTIFICATION COURSE -ASEL-

PART II

COURSE MANUAL

PRIVATE PILOT GROUND TRAINING COURSE

Table of Contents

PERSONNEL

CHIEF FLIGHT INSTRUCTOR

The Chief Flight Instructor for this course is Tim Townsend. The Chief Flight Instructor meets the requirements of 14 CFR 141.35(e) and is designated by letter. Whenever the Chief Flight Instructor is either undesignated or unavailable, the Assistant Chief Flight Instructor will assume these duties.

ASSISTANT CHIEF FLIGHT INSTRUCTOR

The Assistant Chief Flight Instructor for this course is Loren Herren. The Assistant Chief Flight Instructor meets the requirements of 14 CFR 141.35(e) and is designated by letter.

CHIEF GROUND INSTRUCTOR

The Chief Ground Instructor for this course is Tim Townsend. The Chief Ground Instructor meets the requirements of 14 CFR 141.35(e) and is designated by letter. Whenever the Chief Ground Instructor is either undesignated or unavailable, the Assistant Chief Flight Instructor will assume these duties.

ASSISTANT CHIEF GROUND INSTRUCTOR

The Assistant Chief Ground Instructor for this course is Loren Herren. The Assistant Chief Ground Instructor meets the requirements of 14 CFR 141.35(e) and is designated by letter.

GROUND INSTRUCTORS

Each Ground Instructor assigned to this course must possess a valid Ground Instructor Certificate or a valid Flight Instructor Certificate with an Airplane rating. Other individuals may give instruction in this course if the Chief Flight Instructor finds that individual qualified to provide instruction. The instruction will be provided under the direct supervision of the Chief Instructor who is present at the facility when such instruction is given.

FLIGHT INSTRUCTORS

Each Flight Instructor assigned to this course must possess a valid Flight Instructor Certificate with an Airplane rating, and a valid Commercial Pilot certificate.

STUDENT INFORMATION

COURSE ENROLLMENT

To be eligible for enrollment in this course, students must be enrolled either as full-time degree-seeking students or as non-degree seeking students at Bridgewater State University, be of at least 16 years of age and be in possession of at least an FAA Third Class Medical Certificate. Additionally, they must have received or have submitted an application for an FAA Student Pilot Certificate.

COMPLETION STANDARDS FOR GRADUATION

To be eligible for graduation from this course, students must be able to read, speak, write, and understand the English language, and satisfactorily complete all ground and flight training tasks and lessons in this syllabus. Students will demonstrate through oral and written exams and flight tests the knowledge and skill requirements needed to pass the FAA Private Pilot Airman Knowledge Test and Practical Test.

LESSON DESCRIPTION AND STAGES OF TRAINING

The Bridgewater State University Private Pilot Course (ground) contains two (2) stages and a total of 21 lessons. The Flight portion of the course contains three (3) stages and 26 total lessons. Each lesson is fully described within the syllabus and includes objectives, completion standards, and measurable units of accomplishment. Stage objectives and completion standards are provided at the beginning of each stage within the syllabus.

TESTS AND STAGE CHECKS

The syllabus incorporates stage checks and end-of-course tests in accordance with CFR Part 141, Appendix B. The Chief Flight Instructor is responsible for ensuring that each student accomplishes the required stage checks and end-of-course tests in accordance with Bridgewater State University's approved training course. The Chief Flight Instructor may delegate authority for stage checks and end-of-course tests to a Check Instructor.

COURSE INTRODUCTION

The Bridgewater State University Private Pilot Course coordinates academic study assignments and flight training required for pilots learning to operate in a complex aviation environment. New subject matter is introduced during the ground lessons in multimedia formats, including but not limited to:

1. FAA Private Pilot Airman Certification Standards
2. Federal Aviation Regulations
3. Aeronautical Information Manual
4. FAA Pilot's Handbook of Aeronautical Knowledge
5. FAA Risk Management Handbook
6. FAA Airplane Flying Handbook
7. FAA AC 00-45 Aviation Weather
8. FAA AC 00-6 Aviation Weather Services
9. Appropriate Pilot's Operating Handbook
10. Appropriate BSU Flight Standards Manual
11. E6B Flight Computer and Manual
12. Current Chart Supplement
13. Current VFR Navigation Charts
14. Multi-media presentations
15. Instructor/student discussions
16. Knowledge quizzes and written exams

Whenever possible and practical, ground lessons are completed in ground school just prior to the respective flight lessons outlined in the syllabus. Bridgewater State University may elect to present all of the ground lessons before the student is introduced to the airplane. If a significant amount of time lapses between ground and flight lessons, instructors are expected to conduct review training of essential material to ensure that the student has retained and can apply the previous material. Flight lessons should not be conducted until the related ground lesson has been completed.

In accordance with established FAA practices, this syllabus utilizes the building-block theory of learning, where each item taught must be presented on the basis of previously learned knowledge and skills. It is designed to coordinate academic support materials with the flight lessons.

COURSE ELEMENTS

The Bridgewater State University Private Pilot-Airplane Course is designed to be conducted as a combined ground and flight training program, but it may be divided into separate components. This course includes the most current FAA pilot certification requirements. The syllabus and support materials provide necessary information and present the course in a logical manner.

GROUND TRAINING

In accordance with FAR Part 141, ground school training is an integral part of pilot certification courses. The Bridgewater State University ground training syllabus has been designed to meet this requirement. This course coordinates the sequence of ground and flight events to maximize effectiveness of the academic knowledge and its application during flight events.

Lessons shall be conducted in the numerical order as listed in the ground and flight training segments of the syllabus. Flexibility for adapting to individual student needs and training situations is occasionally required, but the syllabus lesson sequence may be altered only with the prior approval of the Chief or Assistant Chief Flight Instructor. Any deviation should not disturb the course continuity or objective. Each lesson may be presented in one session or divided into multiple sessions, as necessary.

USING THE GROUND LESSONS

The Bridgewater State University Private Pilot Course Ground lessons are best utilized by using all of the individual elements together in an organized approach as described in the syllabus. The syllabus contains cross-references which direct the user to the appropriate study materials for each lesson. Instructors are reminded to review the study assignment for the next lesson with their students.

STAGE CHECKS

Stage exams evaluate the student's level of knowledge, risk management capability, and proficiency within a stage of training. Students must successfully complete each stage exam before progressing to the next stage. The Chief Flight Instructor is responsible for the conduct of each stage check and may designate authority for conducting the stage check to a Check Instructor, as necessary. This procedure provides close supervision of training, provides another opinion on the student's progress, and gives the Chief Flight Instructor an opportunity to evaluate training effectiveness. Minimum passing score for any written stage or final exam for the purpose of earning Part 141 credit toward the Private Pilot-Airplane certificate is 80%.

TEXTBOOKS/MULTI-MEDIA PRESENTATIONS

Prior to each ground lesson, students are expected to study the assigned text(s) or other media as the primary sources for initial study and review. The texts and media contain concise explanations of the fundamental concepts and ideas and are organized in a logical building-block sequence. Study of the assigned materials prior to the scheduled lesson will improve student preparation and reduce overall training time.

PRIVATE PILOT-AIRPLANE GROUND COURSE

COURSE OVERVIEW

COURSE OBJECTIVE

The student will obtain the knowledge, risk-management capability and proficiency necessary to meet the requirements for a Private Pilot certificate with an Airplane category rating and a single-engine land class rating.

COURSE COMPLETION STANDARDS

The student must demonstrate through knowledge tests, flight tests, and appropriate records that he/she meets the knowledge, risk management and proficiency requirements necessary to obtain a Private Pilot certificate with an Airplane category rating and a single-engine land class rating.

TRAINING SYLLABUS

The Bridgewater State University Private Pilot syllabus meets all curriculum requirements of 14 CFR 141, Appendix B.

TRAINING COURSE

The Ground Training course contains two (2) stages and a total of nineteen (19) lessons.

PRIVATE PILOT-AIRPLANE
GROUND COURSE SYLLABUS

GROUND TRAINING COURSE OBJECTIVE
The student will obtain and demonstrate knowledge and aeronautical decision-making at a level that meets or exceeds FAA Private Pilot Airman Certification Standard and which is required to pass the FAA Private Pilot Airmen Knowledge test.

LESSON GRADING AND COMPLETION STANDARD
Each ground lesson is graded across three (3) elements; Knowledge (defined by the applicant's ability to demonstrate understanding of the task elements), Risk Management (defined by the applicant's ability to identify, assess and mitigate risks associated with the task) and Skill (defined by the applicant's ability to apply the skill necessary to achieve the listed objective).

GROUND TRAINING COMPLETION STANDARD
The student must demonstrate through written, oral and practical examination that s/he has obtained the knowledge (defined by the applicant's ability to demonstrate understanding of the task elements), risk management ability (defined by the applicant's ability to identify, assess and mitigate risks associated with the task) and skill (defined by the applicant's ability to apply the skill necessary to achieve the listed objective).at a level that meets or exceeds FAA Private Pilot - Airplane Airman Certification Standard and which is required to pass the FAA Private Pilot (ASEL) Airmen Knowledge test.

ATTENDANCE
Attendance and active participation is mandatory and failure to attend and/or participate in a scheduled event is considered an unexcused absence. Students are responsible for contacting their Ground Instructor if there is any question whether a training event will take place. (Aviation Operations Manual, Chapter 5). Any missed class time must be made up and all missed lesson items must be covered in order to complete the course, in accordance with 14 CFR Part 141.

PRIVATE PILOT-AIRPANE GROUND COURSE
TIME ALLOCATION TABLE

STAGE I

LESSON	SUBJECT	HOURS Training	Exam
I.	Human Factors I, ADM, Risk Management	2.0	
II.	Principles of Flight, Weight and Balance	3.0	
III.	Performance and Limitations I	3.0	
IV.	Communication and Navigation	2.0	
V.	Introduction to Aircraft Systems	3.0	
VI.	Federal Aviation Regulations and Flight Operations	2.0	
VII.	Airports and Airspace	3.0	
VIII.	Intro to WX Theory, Obtaining WX Information	2.0	
IX.	Stage I Exam		2.0
Stage I Totals		20.0	2.0

STAGE II

LESSON	SUBJECT	HOURS Training	Exam
X.	Human Factors and Aviation Physiology II	2.0	
XI.	Navigation and Flight Planning	4.0	
XII.	Airports and Airspace II, Radar and ATC Services	2.0	
XIII.	Weather Theory II, WX Patterns and Hazards	3.0	
XIV.	Obtaining Weather Information	2.0	
XV.	Principles of Flight, Weight and Balance, Stability II	3.0	
XVI.	Federal Aviation Regulations/AIM/NTSB 830	2.0	
XVII.	Aircraft Systems II	2.0	
XVIII.	Stage II Exam		2.0
XIX.	Final Exam		3.0
Stage II Totals		20.0	5.0
Course Totals		**40.0**	**7.0**

STAGE I

STAGE OBJECTIVE

The student will obtain and demonstrate the knowledge and aeronautical decision making skills necessary for safely operating the aircraft as a solo pilot in the airport environment and in the local area.

STAGE COMPLETION STANDARD

This stage is complete when the student completes all oral and written quizzes and the Stage I written exam with a minimum passing score of 80%.

STAGE I
GROUND LESSON 1 (2.0 hrs)
HUMAN FACTORS I, RISK MANAGEMENT AND AERONAUTICAL DECISION MAKING

LESSON REFERENCES
FAA Pilot's Handbook of Aeronautical Knowledge, Ch. 16-2, 17, AIM Ch. 8, FAA Risk Management Handbook, Ch. 1 – 6.

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will be introduced to the role of the pilot in command, the interface between human factors and aircraft operations, and the importance and process of risk assessment and decision-making during flight operations.

CONTENT
___ Responsibility and Authority of the Pilot-in-Command
___ Defining Risk Management
___ Human Behavior
___ Identifying Hazards and Mitigating Risk
___ Risk Assessment Methods
___ Aeronautical Decision Making
___ Single Pilot Resource Management

COMPLETION STANDARDS
Through in-class oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with human factors, risk management and aeronautical decision making.

STAGE I
GROUND LESSON 2 (3.0)
PRINCIPLES OF FLIGHT, WEIGHT AND BALANCE, STABILITY

LESSON REFERENCES
FAA PHAK, Ch. 3, 4, AFH Chs. 4 – 9, BSU TOLD card, Aircraft POH

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students are introduced to airfoil components and principles of flight, pilot control of the aircraft, and the importance and influence of aircraft weight and balance and stability on aircraft flight characteristics.

COMPLETION STANDARDS
Through oral and/or written quizzing, students will exhibit satisfactory knowledge, risk management, and skills associated with principles of flight and weight and balance and their application during all phases of flight.

CONTENT
PRINCIPLES OF FLIGHT
___ Basic Airfoil Components
___ Relative Wind, Angle of Attack
___ Lift
___ Weight
___ Thrust
___ Drag
___ Ground Effect

WEIGHT AND BALANCE
___ Reference Datum
___ Weight, Arm, Moment
___ Center of Gravity
___ Proper Aircraft Loading
___ Load Factor

APPLICATIONS IN FLIGHT
___ Take Off and Climb
___ Straight and Level
___ Turning
___ Descending
___ Approach and Landing

STAGE I
GROUND LESSON 3 (3.0)
PERFORMANCE AND LIMITATIONS I

LESSON REFERENCES
FAA PHAK Chs. 9, 10, Aircraft POH, E6B and Flight Computer Manual

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will be introduced to basic operation and application of manual and electronic flight computers, performance charts and weight/balance data in pre-flight planning, including weight and balance and performance calculations.

CONTENT
DETERMINING AIRCRAFT PERFORMANCE
___ Aircraft Performance and Design
___ Determining Performance, FAR 91.103
___ Factors Affecting Performance
___ Density Altitude
___ Pressure Altitude
___ Takeoff and Landing Performance
___ Performance Chart Presentations and Use

WEIGHT AND BALANCE
___ Computing Weight and Balance
___ Computation Method
___ Table and Graph Methods

COMPLETION STANDARDS
During multiple scenarios students will exhibit satisfactory knowledge, risk management, and skills associated with performance and limitations, and demonstrate proper use of a manual or electronic flight computer and aircraft performance/weight and balance charts to complete a BSU TOLD card.

STAGE I
GROUND LESSON 4 (2.0)
COMMUNICATION AND NAVIGATION

LESSON REFERENCES
FAR Part 91, AIM Ch. 4, Pilot/Controller Glossary, Terminal Area Chart (Boston), Sectional Chart (New York), Chart Supplement

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with aviation communications and navigation.

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will be introduced to the aircraft communication and navigation equipment, communication terminology and phraseology, proper communication procedures, aeronautical charts and their use.

CONTENT
COMMUNICATION
___ Aircraft Communication Equipment Including ELT
___ Phonetic Alphabet
___ Phraseology and Terminology
___ CTAF and UNICOM
___ Controlled and Uncontrolled Airports
___ Lost Communication Procedures
___ Emergency Procedure

NAVIGATION
___ Coordinated Universal Time
___ Latitude and Longitude
___ Chart Legend and Symbology
___ Terminal Area Charts
___ Sectional Charts
___ Chart Supplement
___ Paper vs. Electronic Charts
___ Aircraft Navigation Equipment

STAGE I
GROUND LESSON 5 (3.0)
INTRODUCTION TO AIRCRAFT SYSTEMS

LESSON REFERENCES
FAA PHAK, Ch. 2, 5, 6, 7, Aircraft Pilot's Operating Handbook

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students are introduced to the structure, components, and operation of the training airplane and it systems. The lesson shall include a full walk-around of the training aircraft.

CONTENT
___ Visual Inspection: "Walk Around"
___ Fuselage
___ Wings
___ Empennage
___ Landing Gear
___ Power plant/Propeller
___ Flight Controls and Trim
___ Flaps
___ Engine Instruments
___ Flight Instruments
___ Electrical, Fuel, Environmental
___ Pilot's Operating Handbook (POH)

COMPLETION STANDARDS:
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the operation of aircraft systems.

STAGE I
GROUND LESSON 6 (2.0)
FEDERAL AVIATION REGULATIONS AND FLIGHT OPERATIONS

LESSON REFERENCES
Federal Aviation Regulations Parts 1, 23, 43, 61, 67, 91, AIM 1 – 10, BSU TOLD card

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students are introduced to sections of the Federal Aviation Regulations (FARs) and Aeronautical Information Manual specific to safe Student solo, their use and importance for safe flight operations.

CONTENT:
___ Overview of 14 CFR/FARs
___ Part 1
___ Part 43 (Maintenance)
___ Part 61 (Airmen)
___ Part 67 (Medical)
___ Part 91 (Operating Rules)
___ AIM (Aeronautical Information Manual) Overview and Chapter Walk-Through

COMPLETION STANDARDS
Students will exhibit satisfactory knowledge, risk management, and skills associated with the type, privileges and limitations of FAA Medical Certificates and the Student Pilot Certificate, applicable FARs and sections of the AIM.

STAGE I
GROUND LESSON 7 (3.0)
AIRPORTS AND AIRSPACE

LESSON REFERENCES
FAA Pilot's Handbook of Aeronautical Knowledge, Ch. 13, 14, FAR Part 61, 71, 91, AIM Ch. 2, 3, 4-2, Ch. 5-1, 5-22, 5-7 – 10. Ch. 6, Section 4.

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with airports and airspace in the national airspace system.

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
The student will be introduced to airport operations and the national airspace system when operating under visual flight rules as a Private Pilot.

CONTENT
AIRPORTS
___ Controlled and Non-controlled
___ Runway Layout, Airport Diagram
___ Airport, Runway & Taxiway Markings, Lighting, and Wind Indicators
___ Right of Way Rules and Collision Avoidance
___ Runway Incursion Avoidance
___ Situational Awareness
___ Use of Radio, Proper Communications
___ Compliance with ATC Instructions

AIRSPACE
___ National Airspace System
___ Types of Airspace/Airspace Classes, Basic Weather Minimums (emphasis on Class D, E and G Airspace)
___ Charting Symbology
___ Operating rules, Pilot Certifications, and Aircraft Equipment for Different Types of Airspace
___ Special Use, Restricted, and Other Airspace
___ Temporary Flight Restrictions

STAGE I
GROUND LESSON 8 (2.0)
INTRODUCTION TO WX, OBTAINING WX INFORMATION

LESSON REFERENCES
Pilot's Handbook of Aeronautical Knowledge, Ch. 11, AIM Ch. 7, AC 00-6, AC-00-45H

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Student are introduced to basic weather theory and information to be used for local flight planning.

CONTENT
___ The Atmosphere
___ Temperature, Pressure, Density
___ Atmospheric Circulation
___ Coriolis Force
___ Air Masses and Fronts
___ Local Wind Patterns
___ Atmospheric Stability
___ Moisture & Humidity
___ Dew Point
___ Clouds and Fog
___ Precipitation
___ PIREP
___ METAR
___ TAF
___ ATIS
___ Graphical Forecasts for Aviation (GFA Tool)

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with basic weather theory, information, and applicability to flight operations

STAGE I
GROUND LESSON 9 (2.0)
STAGE I EXAM

LESSON REFERENCES
Lesson reference material for lessons 1 – 9.

RECOMMENDED SEQUENCE
1. Testing
2. Critique

LESSON OBJECTIVE
Students will demonstrate comprehension of the material presented in lessons 1 through 9.

CONTENT
STAGE I EXAM
___ Human Factors I, ADM, Risk Management
___ Introduction to FARs/AIM
___ Aircraft Systems
___ Principles of Flight, Weight and Balance, Stability
___ Performance I
___ Airports and Airspace
___ Communication and Navigation
___ Intro to WX/Obtaining WX Info

COMPLETION STANDARDS
This lesson and stage are complete when the student has completed the Stage I Exam with a minimum score of 80%.

STAGE II

STAGE OBJECTIVE

During this stage, the student will increase and exhibit satisfactory knowledge, risk management, and skills associated with human factors and aeronautical decision-making, aviation physiology, aircraft systems, applicable FARs (including incident/accident reporting), weather theory, patterns and hazards, how to obtain and interpret aviation weather information, and how to apply available information and resources to safely plan and execute solo and cross-country flight operations.

STAGE COMPLETION STANDARD

This stage is complete when the student has demonstrated an understanding of the knowledge areas by completing the Stage II written exam with a minimum passing score of 80%.

STAGE II
GROUND LESSON 10 (2.0)
HUMAN FACTORS AND AVIATION PHYSIOLOGY II

LESSON REFERENCES
FAA Pilot's Handbook of Aeronautical Knowledge Ch. 16, 17, FAR Parts 61, 91, AIM Ch. 8

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will gain a basic understanding of physiological factors related to aviation operations, and increase their knowledge and development of aeronautical decision making skills and risk management.

CONTENT
AVIATION PHYSIOLOGY
___ Fitness for Flight
___ Alcohol and Drugs, FAR Part 61, 91
___ FAR Part 67
___ Respiration
___ Hypoxia
___ Hyperventilation

VISION
___ Eye Physiology
___ Day and Night Vision & Scanning
___ Visual Illusions
___ Landing Illusions
___ Day vs Night Preparation

SPATIAL DISORIENTATION
___ Visual Sense
___ Vestibular Sense
___ Kinesthetic Sense
___ Disorientation/Illusions
___ Motion Sickness

AERONAUTICAL DECISION MAKING
___ Risk Management Models
___ Applying the Decision Making Process
___ Communication
___ Single Pilot Resource Management
___ Workload Management
___ Situational Awareness

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

STAGE II
GROUND LESSON 11 (4.0)
NAVIGATION AND FLIGHT PLANNING

LESSON REFERENCES
FAA Pilot's Handbook of Aeronautical Knowledge Ch. 9, 10, 15 – 17, AIM Ch. 1, 5, Sectional Chart, TAC, VFR Plotter, Navigation Log, Aircraft POH

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Discussion and Practice Exercises
3. Knowledge Review

LESSON OBJECTIVE
Students will learn basic VFR navigation using pilotage, dead reckoning, and navigation systems, and become familiar with recommended procedures for flight planning, use of an FAA Flight Plan, VFR cruising altitudes, and lost procedures.

CONTENT
PRE-FLIGHT PLANNING
___ Weight-Shift Formula
___ Effects of Operating at High Total Weights
___ Flight at Various CG Locations
___ Route Selection
___ Obtaining Weather Information
___ Completing the Navigation Log
___ Filing, Opening, Amending, Closing the Flight Plan
___ Preflight Inspection

FLIGHT COMPUTERS
___ Mechanical Flight Computers
___ Electronic Flight Computers and Online Applications
___ Compute Time, Speed, and Distance
___ Compute Airspeed and Density Altitude
___ Compute Wind Problems
___ Computer Weight Problems
___ Conversions
___ Multi-Part Problems

FLIGHT SCENARIO
___ Departure
___ KEWB to KHYA to KPVC to KBED
___ Diversion to an Alternate to KPVD
___ Return to KEWB

PILOTAGE AND DEAD RECKONING
___ Pilotage
___ Dead Reckoning
___ Flight Planning
___ VFR Cruising Altitudes
___ Flight Plan
___ Lost Procedures

VOR NAVIGATION
___ VOR Operations
___ Ground and Airborne Equipment
___ Basic Procedures
___ VOR Orientation and Navigation
___ VOR Checkpoints and Test Signals
___ VOR Precautions
___ Horizontal Situation Indicator
___ Distance Measuring Equipment (DME)

ADVANCED NAVIGATION EQUIP.
___ VORTAC-Based Area Navigation
___ Global Positioning System (GPS)
___ Wide Area Augmentation System (WAAS)

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

STAGE II
GROUND LESSON 12 (2.0)
AIRPORTS AND AIRSPACE II,
RADAR AND ATC SERVICES

LESSON REFERENCES
FAA PHAK Ch. 14, FAR 91.130 – 145,
AIM Ch. 3, 5 (Sect 6), Sectional Chart, TAC

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Discussion and Practice Exercises
3. Knowledge Review

LESSON OBJECTIVE
Students will gain a basic understanding of the national airspace system and the services provided by various entities including radar services, automated weather services, and flight service stations.

COMPLETION STANDARD
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

CONTENT
AIRSPACE
___ Types of Airspace/Airspace Classes, Basic Weather Minimums (emphasis on Class A, B and C Airspace)
___ Special VFR
___ Emergency Air Traffic Rules
___ Air Defense Identification Zones
___ Air Intercept Procedures

RADAR and ATC SERVICES
___ Radar
___ Transponder Requirements
___ Automated Dependent Surveillance Broadcast (ADS-B)
___ FAA Radar Systems
___ VFR Radar Services
___ Automated Terminal Information Svc (ATIS)
___ Flight Service Stations

STAGE II
GROUND LESSON 13 (3.0)
WEATHER THEORY II,
WX PATTERNS AND HAZARDS

LESSON REFERENCES
Pilot's Handbook of Aeronautical Knowledge, Ch. 11, AIM Ch. 7, AC 00-6 Aviation Weather

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will be introduced to various weather conditions, systems, and hazardous phenomena. Students will learn how to recognize and avoid critical weather situations before and during flight, including hazards associated with thunderstorms, wind shear and wake turbulence.

CONTENT
WEATHER HAZARDS
___ Thunderstorms
___ Turbulence
___ Wake Turbulence
___ Low Level Wind Shear and Avoidance Procedures
___ In-Flight Wind Shear and Avoidance Procedures
___ Microburst
___ Icing
___ Restrictions to Visibility
___ Volcanic Ash

COMPLETION STANDARDS:
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

STAGE II
GROUND LESSON 14 (2.0)
OBTAINING WEATHER INFORMATION II

LESSON REFERENCES
FAA PHAK, Ch. 12, AIM Ch. 7, AC 00-45 Aviation Weather Services

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will learn how to obtain, interpret and apply advanced weather information products from a variety of text and graphic resources, and learn to recognize and plan for critical weather situations.

CONTENT
FORECASTING
___ Forecasting Methods
___ Types of Forecasts
___ Compiling/Processing Weather Data
___ Forecasting Accuracy and Limitations

TEXTUAL REPORTS AND FORECASTS
___ Radar Weather Reports
___ Winds & Temps Aloft Forecast (FD)
___ Severe Weather Reports and Forecasts
___ AIRMET/SIGMET/Convective SIGMET (WA/WS/WST)

GRAPHIC WEATHER PRODUCTS
___ Surface Analysis Chart
___ Weather Depiction Chart
___ Radar Summary Chart
___ Satellite Weather Pictures
___ Low-Level Significant Weather Prog
___ Convective Outlook Chart
___ Forecast Winds and Temps Aloft Chart
___ Volcanic Ash Frcst/Dispersion Chart

SOURCES OF WEATHER INFORMATION
___ Preflight Weather Sources
___ In-Flight Weather Sources
___ Enroute Flight Advisory Service
___ Weather Radar Services
___ Automated Weather Reporting Systems

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

STAGE II
GROUND LESSON 15 (3.0)
PRINCIPLES OF FLIGHT, WEIGHT AND BALANCE, STABILITY II

LESSON REFERENCES
FAA PHAK, Ch. 3, 4, AFH Ch. 4 – 9, BSU TOLD card, Aircraft POH

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will obtain additional and more in-depth knowledge of airfoil components and principles of flight, pilot control of the aircraft, and the importance and influence of aircraft weight and balance and stability on aircraft flight characteristics

CONTENT
STABILITY
___ Three Axes of Flight
___ Dynamic, Static, Neutral Stability
___ Longitudinal Stability
___ Lateral Stability
___ Directional Stability
___ Weight Shift and Tail-Down Force

DRAG
___ Types of Drag
___ Drag (Power) Curve

PROPELLER DYAMICS
___ Basic Propeller Principles
___ Left-Turning Tendencies

AERODYNAMICS
___ Lift and Drag Formula
___ Load Factor and VG Diagram
___ Stall/Factors and Awareness

COMPLETION STANDARDS
Through oral and/or written quizzing, students will exhibit satisfactory knowledge, risk management, and skills associated with principles of flight and stability, and their application during all phases of flight.

STAGE II
GROUND LESSON 16 (2.0)
FEDERAL AVIATION REGULATIONS/AIM II,
NTSB 830

LESSON REFERENCES
FARS, AIM, NTSB 830, NASA Report

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
The student will increase his/her knowledge of the elements of the Federal Aviation Regulations (FARs), Aeronautical Information Manual AIM, and NTSB 830 for Private Pilot cross-country flight operations.

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

CONTENT
___ Part 1
___ Part 23
___ Part 43
___ Part 61
___ Part 67
___ Part 91
___ Part 141
___ NTSB 830
___ NASA Report
___ AIM

STAGE II
GROUND LESSON 17 (2.0)
AIRCRAFT SYSTEMS II

LESSON REFERENCES
FAA Pilot's Handbook of Aeronautical Knowledge Ch. 2, 5, 6, 7, Aircraft POH, Aircraft MX Manual, AC 91-78

RECOMMENDED SEQUENCE
1. Lesson Introduction
2. Material Presentation and Discussion
3. Knowledge Review

LESSON OBJECTIVE
Students will be increase their knowledge of aircraft systems including normal and abnormal operation, failure indications, and basic trouble-shooting procedures, with emphasis on maintaining safe aircraft control.

CONTENT
POWERPLANT & RELATED SYSTEMS
___ Reciprocating Engine Operating Principles
___ Induction Systems
___ Ignition System
___ Fuel, Oil and Hydraulic
___ Environmental
___ Propellers
___ Electrical

FLIGHT INSTRUMENTS
___ Pitot-Static System and Instruments
___ Vacuum System and Instruments
___ Magnetic Compass
___ Primary Flight Display
___ Multi-Function Display

AVIONICS
___ Ground-Based Navigation
___ Satellite-Based Navigation
___ Garmin 430
___ Transponder
___ Interface with Tablet/IPad

COMPLETION STANDARDS
Through oral and/or written quizzing students will exhibit satisfactory knowledge, risk management, and skills associated with the lesson content.

STAGE II
GROUND LESSON 18 (2.0)
STAGE II EXAM

LESSON REFERENCES
Lesson reference material for lessons 13 – 19.

RECOMMENDED SEQUENCE
1. Testing
2. Critique

LESSON OBJECTIVE
Students will demonstrate comprehension of the material presented in lessons 1 through 11.

CONTENT
STAGE II EXAM
____Human Factors and ADM II
____Aircraft Systems II
____FARs/AIM/NTSB II
____Weather Theory, Patterns and Hazards
____Obtaining WX Information II
____Navigation and Flight Planning
____Airports and Airspace II, Radar and ATC Services

COMPLETION STANDARDS
This lesson and stage are complete when the student has completed the Stage II Exam with a minimum score of 80%.

STAGE II
GROUND LESSON 19 (3.0)
END OF COURSE FINAL EXAM

LESSON REFERENCES: As previously assigned in lessons 1 - 18

RECOMMENDED SEQUENCE:

1. Testing
2. Critique

LESSON OBJECTIVE:
Students will demonstrate comprehension of the material presented in this course in preparation for the FAA Private Pilot Airmen Knowledge Test.

CONTENT:

__Private Pilot Ground School Final Exam

COMPLETION STANDARDS
For Part 141 credit for completion of the course each student must complete the Private Pilot End of Course Final Exam with a minimum score of 80%.

PRIVATE PILOT-ASEL
FLIGHT TRAINING SYLLABUS

COURSE OBJECTIVES
The student will obtain the necessary aeronautical knowledge, risk management, and skill necessary to meet FAA requirements for a private pilot certificate with an airplane category rating and single-engine land class rating.

LESSON GRADING AND COMPLETION STANDARDS
Each flight lesson is graded across three (3) elements; Knowledge (defined by the applicant's ability to demonstrate understanding of the task elements), Risk Management (defined by the applicant's ability to identify, assess and mitigate risks) and Skill (defined by the applicant's ability to apply the skill necessary to achieve the listed objective).

COMPLETION STANDARDS
The student must demonstrate through flight tests and school records that the aeronautical knowledge, risk management, and skill necessary to meet FAA requirements to obtain a private pilot certificate with an airplane category rating and single-engine land class rating have been met.

STAGE I OBJECTIVES
During this stage the student obtains the foundation for all future aviation training. The student will become familiar with the basic knowledge, aeronautical decision-making and risk management, and physical skills required to plan and conduct safe solo flights in the training airplane in the traffic pattern and local area using visual attitude reference.

STAGE I COMPLETION STANDARDS
At the completion of this stage, the student will demonstrate the acquisition of knowledge and proficiency in basic visual ground and flight maneuvers at a level that permits him/her to conduct solo aircraft operations in the traffic pattern and the local area of the home airport.

STAGE II OBJECTIVES
The student gains experience with solo operations, is introduced to VFR day and night cross-country flight planning and execution, navigation, flight by reference to instruments, emergency and abnormal procedures, and the National Airspace System.

STAGE II COMPLETION STANDARDS
This stage is complete when the student demonstrates through oral and flight tests and the knowledge, risk management, and skills necessary to conduct solo flights as Pilot In Command and dual VFR day and night cross-country flights as acting PIC, and complete the stage check at a level that meets or exceeds current FAA Private Pilot Airman Certification Standards.

STAGE III OBJECTIVES

The student will gain additional proficiency in local and cross-country solo operations in preparation for the end-of-course stage check and the FAA Practical Test.

STAGE III COMPLETION STANDARDS

This stage and the course are complete when the student demonstrates the knowledge, risk management, and flying skill necessary to conduct solo and dual day-VFR cross-country and local flights as Pilot In Command or acting PIC, and completes the stage check at a level that exceeds current FAA Private Pilot Airman Certification Standards.

PRIVATE PILOT FLIGHT COURSE
TIME ALLOCATION TABLE

STAGE NO.	LESSON NO.	SCHD TIME	DUAL	SOLO	FLIGHT BRIEF	INST. TRAINING	AATD/ CPT	STAGE CHECK		A/C TYPE
								ORAL	FLIGHT	
I	1	2.5	1.5		1.0					ASEL
I	2	2.5			0.5		1.0/1.0			CPT/AATD
I	3	2.0	1.5		0.5					ASEL
I	4	2.0	1.5		0.5					ASEL
I	5	1.5	1.0		0.5					ASEL
I	6	2.0	1.5		0.5					ASEL
I	7	2.5			0.5		1.0/1.0			CPT/AATD
I	8	1.7	1.2		0.5					ASEL
I	9	2.0	1.5		0.5					ASEL
I	10	2.0	1.5		0.5					ASEL
	GRD A	2.0								GROUND
	GRD B	2.0								GROUND
I	11	3.5	1.5		0.5			2.0	1.5	ASEL
II	12	1.5	0.5	0.5	0.5					ASEL
II	13	2.0	0.0	1.0	1.0					ASEL
II	14	2.0	2.0		0.5	0.5	1.5/0			AATD
	15A	2.0								GROUND
II	15B	2.0	1.5		0.5	0.4				ASEL
II	16	2.0 X-C	1.5		0.5	0.3				ASEL
II	17	2.0 Night	1.5		0.5	0.3				ASEL
II	18	3.2 NT x-c	2.2		1.0	0.3				ASEL
II	19	2.5 D/N Opt	1.5		1.0	0.3				ASEL
II	20	3.5	1.5		0.5	0.4		2.0	1.5	ASEL
III	21	2.0	0.0	1.5	0.5					ASEL
III	22	2.5 x-c	2.0		0.5	0.3				ASEL
III	23	2.5 x-c	0.0	2.0	0.5					ASEL
III	24	2.0	1.5		0.5	0.3				ASEL
III	25	2.0	1.5		0.5					ASEL
III	26	4.0	1.7		0.5	0.4		2.0	2.0	ASEL
		Totals	**31.6**	**5.0**	**15.0**	**3.5**	**3.5/2.0**	**6.0**	**5.0**	

MINIMUM COURSE HOURS

DUAL	SOLO	DUAL XC	DUAL NIGHT	INSTRUMENT TRNG AIRPLANE
31.6	**5.0**	**5.7**	**3.0**	**3.0**

NOTE

INSTRUCTORS SHALL PROVIDE A FULL PRE AND POST-FLIGHT BRIEFING FOR EVERY FLIGHT TRAINING EVENT.
A MINIMUM 15 minutes pre-flight plus 15 minutes post-flight (.5 total) is expected.

STAGE I

STAGE I OBJECTIVE

During this stage the student obtains the foundation for all future aviation training. The student will become familiar with the basic knowledge, risk management, and skills required to plan and conduct safe solo flights in the training airplane in the traffic pattern and local area using visual attitude reference.

STAGE I COMPLETION STANDARD

At the completion of this stage, the student will demonstrate the acquisition of knowledge and proficiency in basic visual ground and flight maneuvers at a level that permits him/her to conduct solo aircraft operations in the traffic pattern and the local area of the home airport.

STAGE I
FLIGHT LESSON 1
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE

The student is introduced to the training airplane, aeronautical decision making, and the knowledge, planning and procedures required for a safe flight. The instructor will demonstrate knowledge of basic aircraft ground and flight operation, human factors, and risk management during flight by visual reference. The student shall perform tasks as designated by the instructor.

CONTENT

INTRODUCTION

___ Human Factors
___ Preflight Assessment (Pilot Assmt)
___ Pilot Qualifications
___ Airworthiness Requirements
___ Operation of Flight Controls
___ Preflight Assessment (walk-around)
___ Engine Starting
___ Radio Communications
___ Cockpit Management
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff and Climb
___ Climbing and Descending
___ Straight-and-Level
___ Level Turns Right and Left
___ Speed Transitions in Level Flight
___ Coordination Exercise
___ Use of Trim
___ Normal Approach and Landing
___ Postflight Procedures

COMPLETION STANDARDS

The student will demonstrate and apply knowledge of basic aircraft ground and flight operation, ADM and human factors, and risk management during flight by visual reference. The student will conduct the takeoffs and landings with instructor assistance.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME AND SIGNATURE

_____
CFI NAME, SIGNATURE, CFI # & EXPIRATION DATE

_____
ROUTE, LANDINGS & LOCATION(S)

Lesson Grade____

STAGE I
FLIGHT LESSON 2
DUAL — PROCEDURES TRAINER AND AATD

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE

The student will demonstrate knowledge of flows, checklists and procedures in the Procedures Trainer and subsequently in the controlled dynamic environment of the AATD.

CONTENT
REVIEW

___ Preflight Assessment (walk-around)
___ Engine Starting
___ Radio Communications
___ Cockpit Management

INTRODUCTION

PT:

___ Before Start Flow/Checklist
____Engine Start Procedures/Checklist
___ Taxi Flow/Checklist
___ Before Takeoff Flow/Checklist
___ Takeoff Flow/Checklist
___ Climb Flow/Checklist
___ Cruise Flow/Checklist
___ Descent Flow/Checklist
___ Before Landing Flow/Checklist
___ After Landing Flow/Checklist
___ Shutdown Flow/Checklist
___ Pre-Maneuver Flow/Checklist

AATD:

___ Before Start Flow/Checklist
___ Engine Start Procedure/Checklist
___ Taxi Flow/Checklist
___ Before Takeoff Flow/Checklist
___ Takeoff Flow/Checklist
___ Climb Flow/Checklist
___ Cruise Flow/Checklist
___ Descent Flow/Checklist
___ Before Landing Flow/Checklist
___ After Landing Flow/Checklist
___ Shutdown Flow/Checklist
___ Radio/ATC Communications
___ Taxi Procedures

COMPLETION STANDARDS:

The student will display competency and proficiency in the performance of flows and checklists both in the Procedures Trainer and the AATD. The student must demonstrate sufficient procedural knowledge and smooth performance in both environments so that operation in the aircraft will be efficient and consistent.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

Lesson Grade____

STAGE I
FLIGHT LESSON 3
DUAL — LOCAL

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE

The student will increase knowledge, skill and risk-management ability for all tasks. The flight will include a minimum (4) takeoffs and landings. *Emphasize VISUAL attitude flying, use of checklist flows, and correct see & avoid procedures.*

CONTENT
REVIEW

___ Review of Previous Lesson Outcome/Goals
___ Preflight Assessment (Pilot Assmt)
___ Airworthiness Requirements
___ Preflight Assessment
___ Engine Starting
___ Radio Communications
___ Cockpit Management
___ Before Takeoff Check
___ Normal Takeoff and Climb
___ Climbing and Descending
___ Straight-and-Level
___ Level Turns Right and Left
___ Speed Transitions in Level Flight
___ Coordination Exercise
___ Use of Trim
___ Normal Approach and Landing
___ Postflight Procedures
___ Flows/Checklists/Briefings

INTRODUCTION

___ Obtaining a FSS Weather Briefing
___ National Airspace System
___ Performance and Limitations
___ Go/No Go Decision Making
___ Maneuvering During Slow Flight
___ Power Off Stall (Imminent & Full)
___ Departure/Power On Stall (Imm & Full)
___ Turning Stall (Imminent)
___ Traffic Patterns
___ Go-Around/Rejected Landing

COMPLETION STANDARDS

The student will display increased proficiency in aircraft ground and flight operations. Landings will be performed with instructor assistance as needed. The student will work towards maintaining altitude ± 100' and heading +/- 10^0 during flight, and demonstrate increased proficiency with flight by visual reference.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDINGS & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 4
DUAL — LOCAL

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will be introduced to ground reference maneuvers They will increase knowledge, skill and risk-management ability for all tasks. The flight will include a minimum (4) takeoffs and landings. *Emphasize VISUAL attitude flying, use of checklist flows, and correct see & avoid procedures.*

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Obtaining a FSS Weather Briefing
___ Go/No Go Decision Making
___ PIC Authority and Responsibility
___ Maneuvering During Slow Flight
___ National Airspace System
___ Power Off Stall
___ Power On Stall
___ Turning Stall
___ Go-Around/Rejected Landing
___ Normal Landing
___ Traffic Patterns
___ Postflight Procedures
___ Flows/Checklists/Briefings

INTRODUCTION
___ Sys. and Eqpmt Malfunctions
___ Rectangular Course
___ Turns Around a Point
___ S-Turns
___ Forward Slip to a Landing

COMPLETION STANDARDS
The student will display increased knowledge and proficiency on all tasks and maneuvers by visual reference and perform take offs without instructor assistance, and landings with instructor assistance as necessary. Altitudes will be maintained +/- 100', headings +/- 10^0, and +10/-5 knots of specified airspeed.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDINGS & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 5
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will be introduced to steep turns and emergency procedures and increase knowledge, skill and risk-management ability for all tasks. The introduction of Emergency Approach and Landing will be introduced with an emphasis on energy management. *Emphasize VISUAL attitude flying, use of checklist flows, and correct see & avoid procedures.*

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Obtain a FSS Weather Briefing
___ Preflight Assessment
___ Normal and/or Crswd Take Off
___ Power-Off Stall (Full)
___ Power-On Stall (Full)
___ Sys. and Eqpmt Malfunctions (Fuel)
___ Normal and/or Crswd Landing
___ Post-flight Procedures
___ Flows/Checklists/Briefings

INTRODUCTION
___ Steep Turns
___ Emergency Procedures
___ Emerg. Appch and Ldg to Runway
___ Emergency Appch to Ldg (Simulated, Off-Airport)
___ Crosswind Takeoff and Climb
___ Crosswind Approach and Landing

COMPLETION STANDARDS
The student will display increased knowledge and proficiency on all review tasks and maneuvers, have flown to and landed at an airport other than the home airport, and perform take offs and landings with minimal instructor assistance. Altitudes will be maintained +/- 100', headings +/- 10^0, and +10/-5 knots of specified airspeed.

DATE:___/___/___ **DUAL: _____ BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDINGS & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 6
DUAL — LOCAL

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
This lesson will be a progress check of the student's skill set in performing the maneuvers required for solo flight. The student will conduct a minimum (3) takeoffs and landings. *Emphasize VISUAL attitude flying, use of checklist flows, and correct see & avoid procedures.*

CONTENT
REVIEW
___ Ground lesson A complete
___ Maneuvering During Slow Flight
___ Power Off Stall (Imminent & Full)
___ Departure/Power On Stall (Imm & Full)
___ Turning Stall (Imminent)
___ Traffic Patterns
___ Go-Around/Rejected Landing
___ Sys. and Eqpmt Malfunctions
___ Rectangular Course
___ Turns Around a Point
___ S-Turns
___ Forward Slip to a Landing
___ Steep Turns
___ Emergency Procedures
___ Emerg. Appch and Ldg
___ Crosswind Takeoff and Climb
___ Crosswind Approach and Landing
___ Flows/Checklists/Briefings

COMPLETION STANDARDS
The student will demonstrate increased knowledge and proficiency in all tasks flying by visual reference, complete takeoffs, landings, and go-arounds **without instructor assistance**, and maintain altitudes +/- 100', headings +/- 10^0, and airspeeds +/- 10 kts.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDING & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 7
DUAL — PROCEDURES TRAINER AND AATD

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will demonstrate knowledge and improve proficiency in Emergency Procedures, using the Procedures Trainer, and the ability to enter the traffic pattern and deal with dynamic changes to traffic patterns at both controlled and uncontrolled airports, using the AATD.

CONTENT
REVIEW – PT
___ C-172 FSM Emergency Procedures
___ C-172 FSM Abnormal Procedures

REVIEW -- AATD
___ Depart Class D airport for Practice Area
___ Collision Avoidance Procedures
___ Comms and ATC Light Signals
___ Awareness of Class D airspace
___ Selected Stage 1 Maneuvers (optional)
___ Sys. and Eqpmt Malfunctions
___ Ground Reference Maneuver
___ Stall (Power-Off or Power On)
___ Flows/Checklists/Briefings

INTRODUCTION – AATD
___ Diverting to another airport (with and without GPS)
___ Entry to traffic pattern at uncontrolled airport
___ Radio communications at Class D airports
___ Radio communications at uncontrolled airports
___ Runway change at Class D airport
___ Pattern entry change at Class D airport
___ Loss of comm. at a Class D airport
___ In-Flight Partial Power Loss

COMPLETION STANDARDS
The student will display competency and proficiency in the performance of flows and checklists both in the Procedures Trainer and the AATD. The student must demonstrate sufficient procedural knowledge and smooth performance in both environments so that operation in the aircraft will be efficient and consistent.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDINGS & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 8
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will continue to increase knowledge, skill and risk management ability for all tasks. The flight will be to an airport other than the home airport with a landing. *Emphasize VISUAL attitude flying, use of checklist flows, and correct see & avoid procedures.*

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Obtain a FSS Weather Briefing
___ Performance and Limitations
___ Preflight Assessment (Aircraft)
___ Comms and Light Gun Signals
___ Taxiing
___ Traffic Patterns
___ Use of Trim
___ Maneuvering During Slow Flight
___ Power Off Stall (Imminent & Full)
___ Departure/Power On Stall (Imm & Full)
___ Diverting to another airport (with and without GPS)
___ Entry to traffic pattern at uncontrolled airport
___ Forward Slip to a Landing
___ Go-Around/Rejected Landing
___ Emergency Approach and Landing
___ Postflight Procedures
___ Flows/Checklists/Briefings

INTRODUCTION
___ Secondary Stall (demonstration)
___ Accelerated Stall (demonstration)
___ Systems & Eqpmt Malfnctn (Trim)

COMPLETION STANDARDS
The student will have flown to an airport other than the home airport, demonstrate increased knowledge, skill and risk management for all listed tasks, conduct the listed tasks and a minimum (4) takeoffs and landings with no instructor assistance, maintaining altitude +/- 100', headings +/- 10^0, and airspeed +/- 10 knots. At least one full stop and taxi back must be conducted at an airport other than the home airport.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDING & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 9
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will continue to increase knowledge, proficiency and decision-making in the listed maneuvers and procedures. The flight will be to an airport other than the home airport with a landing. The preflight review shall consist of an assessment of the student's aircraft systems knowledge appropriate to pre-solo flight. Ground review will be conducted as necessary

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals (ground lesson B complete)
___ Performance and Limitations
___ Preflight Assessment
___ Turns Around A Point
___ S-Turns
___ Emergency Appch to Ldg (Simulated, Off-Airport)
___ In-flight power loss leading to diversion
___ Diverting to another airport (with and without GPS)
___ Entry to traffic pattern at uncontrolled airport
___ Go-Around/Rejected Landing
___ Postflight Procedures
___ Flows/Checklists/Briefings

INTRODUCTION
___ Crossed-Control Stall (demonstration)
___ Elevator Trim Stall (demonstration)
___ In-Flight Partial Power Loss (sim.)
___ No-Flap Approach and Landing

COMPLETION STANDARDS
The student will have flown to and landed at an airport other than the home airport, and demonstrate increased knowledge and proficiency in all listed tasks. The student will maintain altitude +/- 100', headings +/- 10^0, and airspeed +/- 10 knots, and be able to conduct all tasks with minimal instructor assistance.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDING & LOCATION:_____

Lesson Grade____

STAGE I
FLIGHT LESSON 10
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will review all listed tasks in preparation for the first stage check and solo flight in the traffic pattern.

COMPLETION STANDARDS
The student will demonstrate increased knowledge, skill, and risk management ability for all listed tasks, maintain altitude +/- 100', headings +/- 10^0, and airspeed +/- 10 knots, and conduct all tasks without instructor assistance.

CONTENT
REVIEW
___ Obtain a FSS Weather Briefing
___ Preflight Assessment
___ Cockpit Management
___ Engine Starting
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Traffic Patterns
___ Use of Trim
___ Pilotage
___ Ground Reference Maneuvers
___ Maneuvering During Slow Flight
___ Power Off Stall
___ Power On Stall
___ Spin Awareness
___ In-Flight Partial Power Loss (sim.)
___ Systems and Eqpmt Malfunction
___ Emergency Approach and Landing
___ Normal Approach and Landing
___ Crosswind Approach and Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures
___ Flows/Checklists/Briefings

DATE:___/___/___ **DUAL: _____ BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

LANDING & LOCATION:_____

Lesson Grade____

STAGE I
GROUND LESSON A
GROUND LESSON

A. Ground Lesson

LESSON OBJECTIVE

The student and CFI will review knowledge items pertinent to Private Pilot pre-solo operations. ***Ground Lesson A must be satisfactorily completed prior to the commencement of Lesson 6.***

COMPLETION STANDARDS

The student will display exhibit adequate knowledge of the covered subject areas sufficient for safe solo operations. The instructor will evaluate the student's knowledge with a quiz at the conclusion of the lesson.

CONTENT
REVIEW

___ Human Factors
___ Pilot Qualifications
___ Airworthiness Requirements
___ Aircraft Weight and Balance
___ Performance and Limitations

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

Lesson Grade____

STAGE I
GROUND LESSON B

A. Ground Lesson

LESSON OBJECTIVE

The student and CFI will review knowledge items pertinent to Private Pilot pre-solo operations. ***Ground Lesson B must be satisfactorily completed prior to the commencement of Lesson 9.***

COMPLETION STANDARDS

The student will display exhibit adequate knowledge of the covered subject areas sufficient for safe solo operations. The instructor will evaluate the student's knowledge with a quiz at the conclusion of the lesson.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

Lesson Grade____

CONTENT
REVIEW

___ 14 CFR Parts 61 and 91
___ Aircraft Systems
___ Aeronautical Decision Making
___ Interpreting Weather Reports and Forecasts
___ National Airspace System
___ Hazardous Wind Shear Avoidance
___ Wake Turbulence Avoidance
___ Pre-solo written exam reviewed, graded and corrected to 100%

STAGE I
FLIGHT LESSON 11, STAGE CHECK
DUAL — LOCAL (Optional - TO AN AIRPORT)

A. Oral Exam
B. Pre-Flight Briefing and Flight Exam
C. Post-flight Briefing and Evaluation

LESSON OBJECTIVE
The Chief Flight Instructor or designee will evaluate the student's ability to demonstrate the aeronautical decision-making, knowledge and skill required to safely operate the airplane in solo flight in the local area and traffic pattern.

CONTENT
ORAL
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ National Airspace System
___ Operation of Systems
___ Human Factors

FLIGHT
___ Obtain a FSS Weather Briefing
___ Preflight Assessment
___ Cockpit Management
___ Engine Starting
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Crosswind Takeoff & Climb
___ Traffic Patterns
___ Use of Trim
___ Pilotage
___ Ground Reference Maneuvers
___ Maneuvering During Slow Flight
___ Power Off Stall
___ Power On Stall
___ Spin Awareness
___ In-Flight Partial Power Loss (sim.)
___ Systems and Equipment Malfunction
___ Emergency Approach and Landing
___ Normal Approach and Landing
___ Crosswind Approach and Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures
___ Flows/Checklists/Briefings

COMPLETION STANDARDS
The student will demonstrate the aeronautical decision-making, knowledge and skill required to safely operate the airplane in solo flight in the local area and traffic pattern while acting as Pilot-In-Command. Altitude will be maintained +/- 100', headings +/- 10^0, and airspeeds +/- 5 knots.

DATE:___/___/___ **DUAL: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE II

STAGE II OBJECTIVES

The student gains experience with solo operations, is introduced to VFR day and night cross-country flight planning and execution, navigation, flight by reference to instruments, emergency and abnormal procedures.

STAGE II COMPLETION STANDARDS

This stage is complete when the student demonstrates through oral and flight tests the knowledge, risk management, and skills necessary to conduct solo flights as Pilot In Command and dual VFR day and night cross-country flights as acting PIC, and complete the stage check at a level that meets or exceeds current FAA Private Pilot Airman Certification Standards.

STAGE II
FLIGHT LESSON 12
DUAL and SOLO — LOCAL

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will conduct her/his final practice flight before flying solo in the airport traffic pattern. Following the dual portion of the lesson, the instructor will leave the aircraft and supervise the student as he/she conducts the first solo flight.

CONTENT
REVIEW DUAL
___ Review of Previous Lesson Outcome/Goals
___ Preflight Assessment
___ Pilot Qualifications
___ Obtain a FSS Weather Briefing
___ Taxiing
___ Normal and X-wind T.O. and Climb
___ Traffic Patterns
___ Go-Around/Rejected Landing
___ Normal and X-wind Appch & Landing

INTRODUCTION: FIRST SOLO
___ Taxiing
___ Normal and X-wind Takeoff and Climb
___ Traffic Patterns
___ Normal and X-wind Appch & Landing
___ Postflight Procedures

COMPLETION STANDARDS
This lesson is complete when the student demonstrates the knowledge, risk management and skill required to safely conduct all listed tasks without instructor assistance. During solo flight, the student will conduct a minimum three (3) full-stop taxi-back landings in the traffic pattern at an airport.

DATE:_____ DUAL: _____ SOLO :____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE II
FLIGHT LESSON 13
SOLO — LOCAL

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE:
The student will safely conduct a solo flight from the home airport and practice the listed maneuvers to increase proficiency and confidence. All in-flight maneuvers will be conducted at an altitude that permits recovery above 3000' AGL. The student shall accumulate no less than 1.0 solo flight time on this flight.

CONTENT
PRE-FLIGHT BRIEFING
___ Review of Previous Lesson Outcome/Goals
___ Aeronautical Decision Making
___ Obtaining a FSS Weather Briefing
___ Weight and Balance
___ Performance and Limitations

REVIEW
___ Preflight Inspection
___ ATC Communications
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff and Climb
___ Traffic Patterns
___ Normal Approach and Landing
___ Postflight Procedures

INTRODUCTION SOLO
___ Go-Around/Rejected Landing
___ Maneuvering During Slow Flight
___ Power Off Stall (Imm.)
___ Power On Stall (Imm.)
___ Steep Turns
___ Pilotage

COMPLETION STANDARDS
The student will have safely conducted a solo flight within 25 NM from the home airport, and increased his/her proficiency and confidence while conducting the listed tasks. All in-flight maneuvers will be conducted at an altitude that permits recovery above 3000' AGL. The student shall accumulate not less than 1.0 solo flight time.

DATE:___/___/___ **SOLO: _____** **BRIEF:____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE II
FLIGHT LESSON 14
DUAL — AATD
(SIMULATED IFR AND NIGHT)

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will expand experience with flight by reference to instruments, be introduced to similarities between night and instrument flight conditions, and be introduced to emergency procedures. Students are to obtain a minimum 0.5 hours of simulated flight by reference to instruments.

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Cockpit Management

INTRODUCTION (ALL IR)
___ Straight and Level Flight
___ Turns to Headings
___ Recovery from Unusual Flight Attitudes

Simulated Instrument Flying Conditions
___ Determining Aircraft Position
___ VOR Orientation and Tracking
___ GPS Orientation and Tracking
___ CFIT Avoidance: Climbs & Descents
___ Radio Comms, Nav Systems, and Radar Svcs

Simulated Night Flying Conditions
___ Night Preparation
___ Straight and Level Flight
___ Turns to Headings
___ Climb
___ Descent
___ Determining Aircraft Position
___ Airport, Runway and Taxiway Lighting

Emergency Operations
___ Oil Pressure/Temp Warning
___ Engine Failure During Takeoff
___ Alternator Failure
___ Vacuum System Failure
___ Low Fuel Warning

COMPLETION STANDARDS
The student will demonstrate the knowledge, risk management, and skill to determine aircraft orientation using navigation systems and radar services, demonstrate aircraft control by reference to instruments, conduct proper procedures when faced with various emergency situations, maintain altitude +/- 200', headings +/- 20^0, and airspeeds +/- 10 knots . *The student will obtain a minimum 0.5 hours of training in flight by reference to instruments.*

DATE:___/___/___ DUAL AATD: ____ IR:___BRIEF:___

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

Lesson Grade____

STAGE II
FLIGHT LESSON 15A
GROUND LESSON

A. Ground Lesson

LESSON OBJECTIVE
The student will learn the proper procedures and techniques for planning a safe VFR cross-country flight.

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Obtain a FSS Weather Briefing
___ Purpose of IR training for PVT pilots
___ Instrument Scan and Interpretation
___ Preflight Assessment (Envir. Factors)

INTRODUCTION
___ Navigation Log Preparation
___ Radio Comms, Nav Sys, & Radar Svcs
___ Use of Aircraft Performance Charts
___ Flight Planning Considerations
___ Filing the Flight Plan
___ Cross Country Departure Procedures
___ Opening and Closing Flight Plan
___ Use of Departure and Approach Control
___ Dead Reckoning
___ Lost Procedures
___ National Airspace System

COMPLETION STANDARDS
The student will successfully complete the planning to complete the VFR cross-country required by Lesson 16.

DATE:_____ DUAL: _____ IR:____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

Lesson Grade____

STAGE II
FLIGHT LESSON 15B
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will review previously learned material, be introduced to VFR navigation and flight by reference to instruments in the airplane, with special emphasis placed on proper pre-flight planning, cockpit management, and diverting to an alternate airport. The flight will be to a landing at an airport other than the home airport. The student shall receive a minimum 0.3 hours of instrument training during the flight.

CONTENT
REVIEW
___ Obtain a FSS Weather Briefing
___ Purpose of IR training for PVT pilots
___ Instrument Scan and Interpretation
___ Preflight Assessment (Envir. Factors)
___ Emergency Procedures on Takeoff
___ Use of Departure and Approach Control
___ Pilotage
___ Dead Reckoning
___ Diversion to an Alternate Airport
___ Lost Procedures
___ Postflight Procedures

INTRODUCTION
___ Cross-Country Departure to 1st Checkpoint
___ Straight and Level Flight (IR)
___ Turns to Headings (IR)
___ Recovery from Unusual Attitudes (IR)
___ Emergency Descent
___ Short Field Takeoff and Climb
___ Short Field Approach and Landing
___ Soft Field Takeoff and Climb
___ Soft Field Approach and Landing

COMPLETION STANDARDS
The student will demonstrate the knowledge, risk management, and skill to describe conduct all lesson tasks. During VFR flight the student will maintain altitudes +/- 100', headings +/- 10^0, and airspeeds +/- 10 knots. During IR flight the student will maintain altitudes +/- 200', headings +/- 20^0, and airspeeds +/- 10 knots.

DATE:_____ DUAL: _____ IR:____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE II
FLIGHT LESSON 16
DUAL – DAY- CROSS COUNTRY

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
During this lesson the student will combine previously learned knowledge and skills to safely conduct a VFR Day cross-country flight. The student will plan and conduct a cross-country flight to three (3) airports with the first leg of not less than 50 NM from the home airport.

COMPLETION STANDARDS
The student will demonstrate correct techniques and procedures for safely conducting a day VFR cross-country flight. The student will demonstrate single-pilot resource management and improved ADM. Altitudes will be maintained +/- 100', headings +/- 10^0, and airspeeds +/-5 knots.

DATE:___/___/___ DUAL: _____ IR: ____ BRIEF:_____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

CONTENT

REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Obtain a FSS Weather Briefing
___ Human Factors
___ National Airspace System
___ Preflight Assessment (Ext. Press.)
___ Short-Field Takeoff and Climb
___ Navigation Log Preparation
___ Flight Planning Considerations
___ Departure
___ Opening and Closing Flight Plan
___ Recovery From Unusual Attitudes (IR)
___ Emergency Approach and Landing (Sim)
___ Emergency Equip. and Survival Gear
___ Pilotage
___ Dead Reckoning
___ Lost Procedures
___ Radio Comms, Nav. Sys and Radar Svcs
___ No-Flap Landing
___ Go-Around/Rejected Landing

INTRODUCTION
___ Estimated Groundspeed and ETA
___ Unfamiliar Airport Operations
___ Diversion to/Landing at an Alternate
___ Landing Not Less Than 50 NM from Departure Airport

STAGE II
FLIGHT LESSON 17
DUAL-NIGHT-LOCAL TO AN ARPT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE:
The student will review and increase knowledge, risk management and skill with night flight operations, with emphasis on proper preflight planning, increased use of navigation equipment and ATC resources, CFIT avoidance, and human factors. *The student will obtain a minimum 1.2 hours of night aeronautical experience. The lesson must include a minimum of 1.0 ground briefing time in preparation for Night Operations*

CONTENT:
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Night Flight Preparation
___ Personal Equipment
___ Obtain a FSS Weather Briefing
___ Taxiing
___ Use of Obstacle Departure Procedures
___ Human Factors (Spatial Dis/ Ldg Illsns)

INTRODUCTION (NIGHT)
___ Emergency Equip. and Survival Gear
___ Preflight Assessment
___ Cockpit Management
___ Before Takeoff Check
___ Normal Takeoff and Climb
___ VOR Orientation and Tracking
___ GPS Orientation and Tracking
___ Power-Off Stall (Imminent)
___ Power-On Stall (Imminent)
___ Pilotage
___ Dead Reckoning
___ Diversion to an Alternate
___ Lost Procedures
___ Emergency Procedures
___ Basic Instrument Maneuvers (IR)
___ Recovery From Un. Attitudes (IR)
___ Emergency Appch and Ldg (Sim)
___ Go-Around/Rejected Landing
___ Normal Approach and Landing
___ Normal Approach and Landing (Without Landing Light)

COMPLETION STANDARDS
The student will demonstrate knowledge, risk management and skill for all listed tasks, complete a minimum of five (5) takeoffs and landings from the traffic pattern, and maintain altitudes +/- 100', headings +/- 10^0, and airspeeds +/-5 knots. *The student will obtain a minimum 1.2 hours of night aeronautical experience.*

DATE:___/___/___ DUAL: _____ IR:____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____ _____
ROUTE OF FLIGHT **NIGHT**

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE II
FLIGHT LESSON 18
DUAL-NIGHT-CROSS COUNTRY

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
During this lesson the student will combine previously learned knowledge and skills to safely conduct a VFR night cross-country flight. The flight will be conducted to three (3) airports with the first leg at least 50 NM from the departure airport, and a total distance of more than 100 NM for the entire flight.

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Obtain a FSS Weather Briefing
___ Night Preparation
___ Human Factors
___ Flight Planning Considerations
___ National Airspace System
___ Preflight Assessment (Ext. Press.)
___ Navigation Log Preparation
___ Radio Comms, Nav Sys, & Radar Svcs (VR/IR)
___ Departure
___ Determination of Groundspeed/ETA
___ Filing, Opening and Closing Flight Plan
___ Recovery From Unusual Attitudes (IR)
___ Basic Attitude Instrument Maneuvers
___ Emergency Appch and Landing (Sim)
___ Emergency Equip. and Survival Gear
___ Pilotage
___ Dead Reckoning
___ Lost Procedures
___ Normal Takeoff and Climb
___ Go-Around/Rejected Landing
___ Normal Approach and Landing

COMPLETION STANDARDS
The student will safely conduct a night VFR cross-country flight, and a minimum five (5) night takeoffs and landings as PIC while maintaining altitudes +/- 100', headings +/- 10^0, and airspeeds +/-5 knots. Minimum of 0.3 simulated instrument time**. NOTE: Conduct IR time AFTER completing all VFR legs. Ensure the student has completed a minimum 10 night takeoffs & landings from the traffic pattern, 3.0 hours dual cross-country, and 3.0 hours night flight.**

DATE:_____ DUAL: _____ IR:____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____ _____ _____
ROUTE OF FLIGHT X-COUNTRY NIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade: ____

STAGE II
FLIGHT LESSON 19
DUAL — LOCAL (DAY/NIGHT OPTION)

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
In preparation for the upcoming stage check the student will demonstrate proficiency at a level that meets current FAA Airman Certification Standards. The student will demonstrate the ability to safely and competently plan and execute a cross-country VFR flight without instructor assistance. *NOTE: The FAA Private Pilot Knowledge Test must be completed before the student is eligible for the stage II check.*

CONTENT
REVIEW
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ National Airspace System
___ Cross-Country Flight Planning
___ Weather Information
___ Operation of Systems
___ Human Factors
___ Night Preparation
___ Preflight Assessment
___ Cockpit Management
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Short Field Takeoff & Climb
___ Soft Field Takeoff & Climb
___ Pilotage and Dead Reckoning
___ Traffic Patterns
___ Spin Awareness
___ Basic Instrument Maneuvers (IR)
___ Diversion
___ Nav. Systems and Radar Svcs (VR/IR)
___ Lost Procedures
___ Emergency Descent
___ Emergency Equip. & Survival Gear
___ Systems and Equpmt. Malfunction
___ Emergency Approach and Landing
___ Forward Slip to a Landing
___ Normal Approach and Landing
___ Short Field Approach and Landing
___ Soft Field Approach and Landing
___ No-Flap Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures

COMPLETION STANDARDS
The student demonstrates the ability to safely conduct a solo cross-country flight. Knowledge, flight proficiency and aeronautical decision-making is demonstrated at a level that meets or exceeds current FAA Private Pilot Airman Certification Standards.

DATE:_____ DUAL: _____ IR:____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE II
FLIGHT LESSON 20, STAGE CHECK
DUAL — LOCAL TO AN AIRPORT

A. Oral Exam
B. Pre-Flight Briefing and Flight
C. Post-flight Briefing and Evaluation

LESSON OBJECTIVE
The Chief Flight Instructor or designee will evaluate the student's ability to demonstrate the knowledge, risk management ability and skill required to safely conduct cross-country flight as Pilot In Command.

CONTENT
ORAL
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ National Airspace System
___ Cross-Country Flight Planning
___ Weather Information
___ Operation of Systems
___ Human Factors
___ Night Preparation

FLIGHT
___ Preflight Assessment
___ Cockpit Management
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Short Field Takeoff & Climb
___ Pilotage and Dead Reckoning
___ Spin Awareness
___ Basic Instrument Maneuvers (IR)
___ Diversion
___ Nav. Systems and Radar Svcs (VR/IR)
___ Lost Procedures
___ Emergency Descent
___ Emergency Equip. & Survival Gear
___ Systems and Equpmt. Malfunction
___ Emergency Approach and Landing
___ Traffic Patterns
___ Forward Slip to a Landing
___ Normal Approach and Landing
___ Short Field Approach and Landing
___ No-Flap Approach and Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures

COMPLETION STANDARDS
This lesson is complete when the student demonstrates the demonstrate the knowledge, risk management ability and skill required to safely conduct cross-country flight as Pilot In Command at a level that meets or exceeds current FAA Private Pilot Airman Certification Standard.

DATE:_____ DUAL: _____ IR:____ BRIEF:_____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE III

STAGE III OBJECTIVES

During this stage, the student will gain additional proficiency in local and cross-country solo operations in preparation for the end-of-course stage check and the FAA Practical Test.

STAGE III COMPLETION STANDARDS

This stage and the course will be complete when the student completes the end-of-course stage check by exhibiting the knowledge, risk management and flying skills at a level that exceeds current FAA Private Pilot Airman Certification Standards.

STAGE III
FLIGHT LESSON 21
SOLO — LOCAL (25nm OPTION)

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will practice the listed tasks in preparation for the solo cross-country flight. Emphasis is placed on single pilot resource management and cockpit management while conducting the flight as Pilot In Command. **NOTE: To exercise the 25NM solo option to land at another airport, the CFI must ensure that ALL requirements of 61.93(b) have been met.**

CONTENT
REVIEW
___ Review of Previous Lesson Outcome/Goals
___ Traffic Patterns
___ Comms and ATC Light Signals
___ Emergency Procedures
___ Cockpit Resource Management
___ Single Pilot Resource Management
___ Preflight Assessment
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Traffic Pattern Operations
___ Maneuvering During Slow Flight
___ Steep Turns
___ Power-Off Stall (Imm. & Full)
___ Power-On Stall (Imm. & Full)
___ Turning Stall (Imm. & Full)
___ Go-Around/Rejected Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Postflight Procedures

COMPLETION STANDARDS
This lesson is complete when the student demonstrates aeronautical decision making, single pilot resource management, proper navigation procedures, and safe execution of traffic pattern entries and exits during solo flight.

DATE:_____ SOLO: _____ BRIEF:_____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE III
FLIGHT LESSON 22
DUAL – CROSS COUNTRY

Preflight Briefing

A. Flight Lesson
B. Post-flight Briefing and Critique

LESSON OBJECTIVE

The student will demonstrate the knowledge, risk management and skill required to plan and safely conduct a cross-country flight as PIC. The flight must include a landing at three (3) different airports, with one leg of the route flown to an airport not less than 50 NM from the departure airport.

CONTENT

REVIEW

___ Review of Previous Lesson Outcome/Goals
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ National Airspace System
___ Cross-Country Flight Planning
___ Weather Information
___ Operation of Systems
___ Human Factors
___ Preflight Assessment
___ Cockpit Management
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Short Field Takeoff & Climb
___ Pilotage and Dead Reckoning
___ Traffic Patterns
___ Spin Awareness
___ Basic Instrument Maneuvers (IR)
___ Diversion
___ Nav. Systems and Radar Svcs (VR/IR)
___ Lost Procedures
___ Emergency Descent
___ Emergency Equip. & Survival Gear
___ Systems and Equpmt. Malfunction
___ Emergency Approach and Landing
___ Forward Slip to a Landing
___ Normal Approach and Landing
___ Short Field Approach and Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures

COMPLETION STANDARDS

The student will have demonstrated the knowledge, flight proficiency and aeronautical decision making required to plan and safely conduct a cross-country flight as PIC at a level that meets or exceeds current FAA Private Pilot Airman Certification Standards.

DATE:___/___/___ DUAL: _____ IR:____ BRIEF:_____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____ _____
ROUTE OF FLIGHT **X-COUNTRY**

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE III
FLIGHT LESSON 23
SOLO — CROSS COUNTRY

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
During this lesson the student will execute sound ADM and flying skills to conduct a solo cross-country flight. The route must be at least 100 NM and include a landing at three (3) different airports, with one leg of the route not less than 50 NM between takeoff and landing locations. The student shall complete the navigation log for the post-flight briefing and the navigation log shall be kept in the student's training folder.

CONTENT
REVIEW
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ Cross-Country Flight Planning
___ Weather Information
___ Human Factors
___ Preflight Assessment
___ Cockpit Management
___ Engine Starting
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Short Field Takeoff & Climb
___ Pilotage and Dead Reckoning
___ Traffic Patterns
___ Nav. Systems and Radar Svcs
___ Emergency Equip. & Survival Gear
___ Forward Slip to a Landing
___ Normal Approach and Landing
___ Short Field Approach and Landing
___ Postflight Procedures

COMPLETION STANDARDS
The lesson is complete when the student completes the flight at a level that meets or exceeds current FAA Private Pilot Airman Certification Standards. Upon arrival at the home airport the instructor and student shall review the completed navigation log during the post flight briefing and the navigation log shall be inserted in the student's training folder.

DATE:___/___/___ **SOLO: _____** **BRIEF:_____**

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____ _____
ROUTE OF FLIGHT **X-COUNTRY**

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE III
FLIGHT LESSON 24
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
The student will practice the listed tasks and demonstrate aeronautical knowledge, flight proficiency and decision making skills at a level that exceeds current FAA Private Pilot Airman Certification Standards.

CONTENT
REVIEW
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ National Airspace System
___ Weather Information
___ Operation of Systems
___ Human Factors
___ Preflight Assessment
___ Cockpit Management
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Short Field Takeoff & Climb
___ Soft Field Takeoff & Climb
___ Basic Instrument Maneuvers (IR)
___ Nav. Systems and Radar Svcs (VR/IR)
___ Ground Reference Maneuvers (All)
___ Forward Slip to a Landing
___ Normal Approach and Landing
___ Short Field Approach and Landing
___ Soft Field Approach and Landing
___ No-Flap Approach and Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures

COMPLETION STANDARDS
The lesson is complete when the student is able to demonstrate aeronautical knowledge, risk management and flying skills at a level that *exceeds* current FAA Private Pilot Airman Certification Standards.

DATE:___/___/___ DUAL: _____ IR:____ BRIEF:_____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE III
FLIGHT LESSON 25
DUAL — LOCAL TO AN AIRPORT

A. Preflight Briefing
B. Flight Lesson
C. Post-flight Briefing and Critique

LESSON OBJECTIVE
This is the final lesson prior to the end-of-course stage check. The student will demonstrate aeronautical knowledge, flight proficiency and decision making at a level that exceeds current FAA Private Pilot Airman Certification Standards.

CONTENT
REVIEW
___ Certificates and Documents
___ Airworthiness Requirements
___ Human Factors
___ Preflight Assessment
___ Taxiing
___ Before Takeoff Check
___ Steep Turns
___ Power-On Stall (Imminent & Full)
___ Power-Off Stall (Imminent & Full)
___ Slow Flight
___ Spin Awareness
___ Navigation Systems and Radar Svcs
___ Emergency Descent
___ Emergency Approach and Ldg (Sim)
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Postflight Procedures

COMPLETION STANDARDS
The lesson is complete when the student is able to conduct all listed tasks at a level that *exceeds* current FAA Private Pilot Airman Certification Standards.

DATE:_____ DUAL: _____ BRIEF:_____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____

STAGE III
FLIGHT LESSON 26, EOC STAGE CHECK
DUAL-LOCAL TO AN AIRPORT

A. Oral Exam
B. Pre-Flight Briefing and Flight
C. Post-flight Briefing and Evaluation

LESSON OBJECTIVE
This lesson is the End-of Course test conducted by the Chief Flight Instructor or designee. The student will demonstrate aeronautical knowledge, flight proficiency and decision making at a level that exceeds current FAA Private Pilot Airman Certification Standard.

CONTENT
ORAL
___ Pilot Qualifications
___ Airworthiness Requirements
___ Performance and Limitations
___ Aircraft Weight and Balance
___ National Airspace System
___ Cross-Country Flight Planning
___ Weather Information
___ Operation of Systems
___ Human Factors
___ Night Preparation

FLIGHT
___ Preflight Assessment
___ Cockpit Management
___ Comms & Light Gun Signals
___ Taxiing
___ Before Takeoff Check
___ Normal Takeoff & Climb
___ Soft Field Takeoff and Climb
___ Short Field Takeoff & Climb
___ Pilotage and Dead Reckoning
___ Traffic Patterns
___ Ground Reference Maneuvers
___ Maneuvering During Slow Flight
___ Power Off Stall (Imminent or Full)
___ Power On Stall (Imminent or Full)
___ Spin Awareness
___ Basic Instrument Maneuvers (IR)
___ Steep Turns
___ Diversion
___ Nav. Systems and Radar Services (VR/IR)
___ Lost Procedures
___ Emergency Descent
___ Emergency Equip. & Survival Gear
___ Systems and Equpmt. Malfunction
___ Emergency Approach and Landing
___ Forward Slip to a Landing
___ Normal Approach and Landing
___ Soft Field Approach and Landing
___ Short Field Approach and Landing
___ Go-Around/Rejected Landing
___ Postflight Procedures

COMPLETION STANDARDS
This lesson is complete when the student demonstrates knowledge, flight proficiency and aeronautical decision making skill at a level that *exceeds* current FAA Private Pilot Airman Certification Standard.

DATE:___/___/___ DUAL: _____ IR:____ BRIEF:____

_____
STUDENT NAME / SIGNATURE

_____
CFI NAME / SIGNATURE / CFI # & EXP.

_____
ROUTE OF FLIGHT

 # LANDINGS & LOCATION:_____

Lesson Grade____