TRAINING COURSE OUTLINE

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.

FLIGHT INSTRUCTOR AIRPLANE SINGLE ENGINE CERTIFICATION COURSE

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) 6-7.

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RECORD OF REVISIONS

REV. #	DATE	CONTENT	INITIAL
I	2/18/09	Updates ACFI designation.	
II	6/2/09	Removes reference of QMA-11E aircraft.	
III	11/20/11	Updates header logo and school name, updates stage II ground and reduces total ground training time to 40 hours. Adds multi-engine AATD (Multi-AATD). Adds Flight Instructors in Personnel listing. Updates Stage I Ground to conform to current FAA Aviation Instructor's Handbook. Updates Stage II Ground to require additional practice/role playing experience for applicants. Updates flight lesson objectives and tasks, including addition of pre- and post-flight risk mitigation.	
IV	5/29/18	Change of Chief Instructor/Assistant Chief Instructor(s). Added option for use of C-172 in Stage 2 if complex aircraft not available.	
V	9/24/20	Updates airport and facility diagrams, adds availability of cockpit procedures trainers (CPTs), AATDs, and Technically Advanced Aircraft (TAA), change of Chief Instructor, updates list of reference publications, page numbers, grammatic corrections.	
VI	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.

LIST OF AFFECTED PAGES

PAGE #	REVISION	DATE	PAGE #	REVISION	DATE
1	REV III	11/20/11	2	REV V	9/24/20
3	REV VI	6/21/21	4	REV VI	6/21/21
5	REV III	11/20/11	6	REV III	11/20/11
7	REV VI	6/21/21	8	REV VI	6/21/21
9	REV III	11/20/11	10	REV V	9/24/20
11	REV V	9/24/20	12	REV V	9/24/20
13	REV III	11/20/11	14	REV V	9/24/20
15	REV V	9/24/20	16	REV VI	6/21/21
17	REV IV	05/29/18	18	REV III	11/20/11
19	REV V	9/24/20	20	REV III	11/20/11
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23	REV III	11/20/11	24	REV III	11/20/11
25	REV III	11/20/11	26	REV III	11/20/11
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41	REV III	11/20/11	42	REV III	11/20/11
43	REV III	11/20/11	44	REV III	11/20/11
45	REV III	11/20/11	46	REV III	11/20/11
47	REV IV	05/29/18	48	REV III	11/20/11
49	REV III	11/20/11	50	REV III	11/20/11
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FLIGHT INSTRUCTOR AIRPLANE SINGLE ENGINE CERTIFICATION COURSE

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 in Bridgewater, Massachusetts, serves as the primary business address and administrative office for this course.

Satellite Location

The Bridgewater State University campus located in Bridgewater, Massachusetts, serves as the satellite location for conduct of the ground training portion of 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 Center, 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).

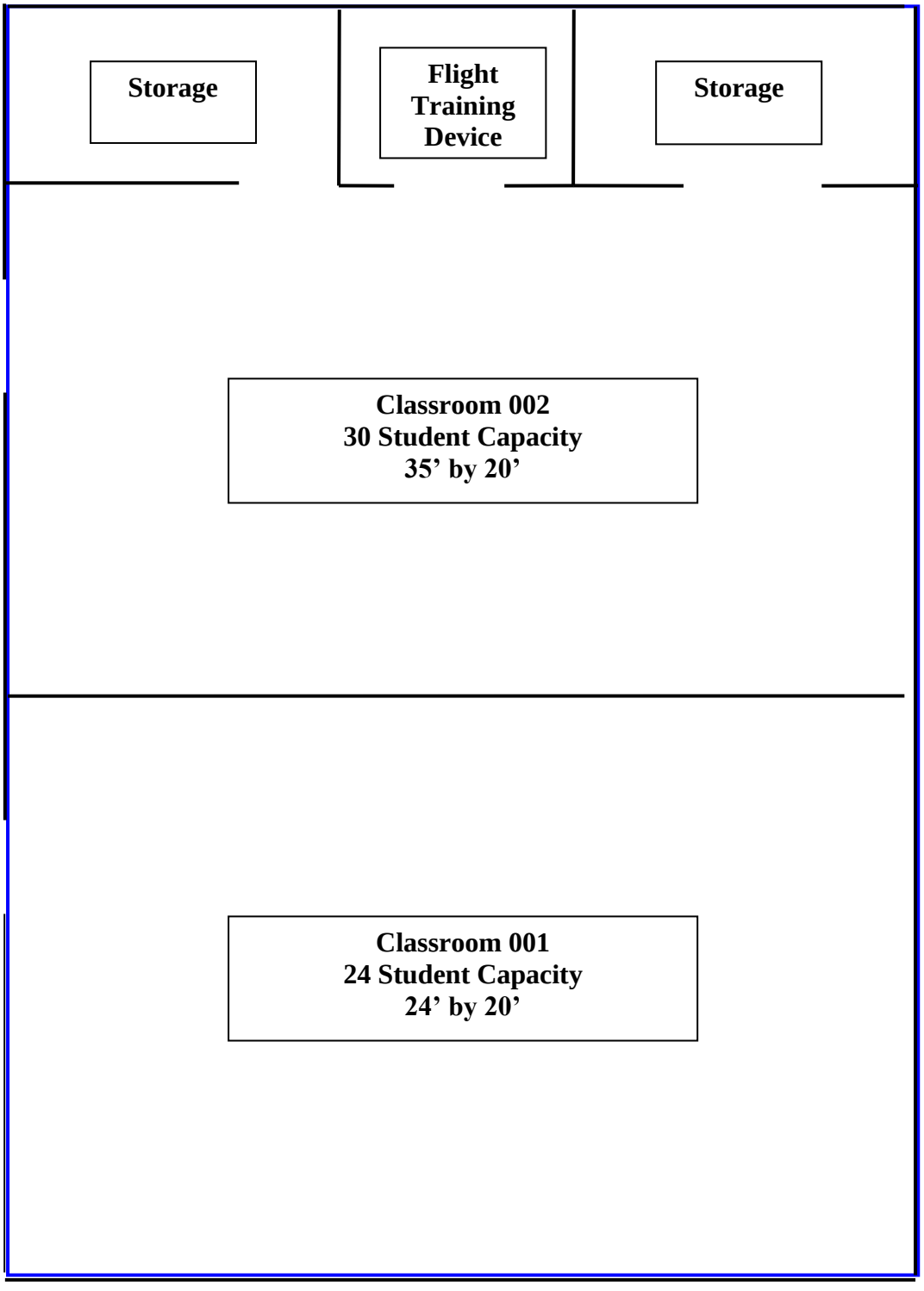
Classrooms

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 accommodates 24 students. Classroom 002 measures 35’ by 20’ and accommodates 30 students. Both classrooms contain computerized projection equipment and dry erase boards. Other rooms may be available and assigned by the University as necessary. All classrooms and administrative areas comply with current local building, health and sanitation codes, are enclosed, easily accessible, and provide a clean instructional environment free from outside distractions.

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

Bridgewater State University Classroom Diagram



New Bedford (KEWB) Flight Training Center

Bridgewater State University's Flight 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. Multiple 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 three (3) advanced aviation training devices for this course of training:

Redbird Models LD (2), FMX (1).

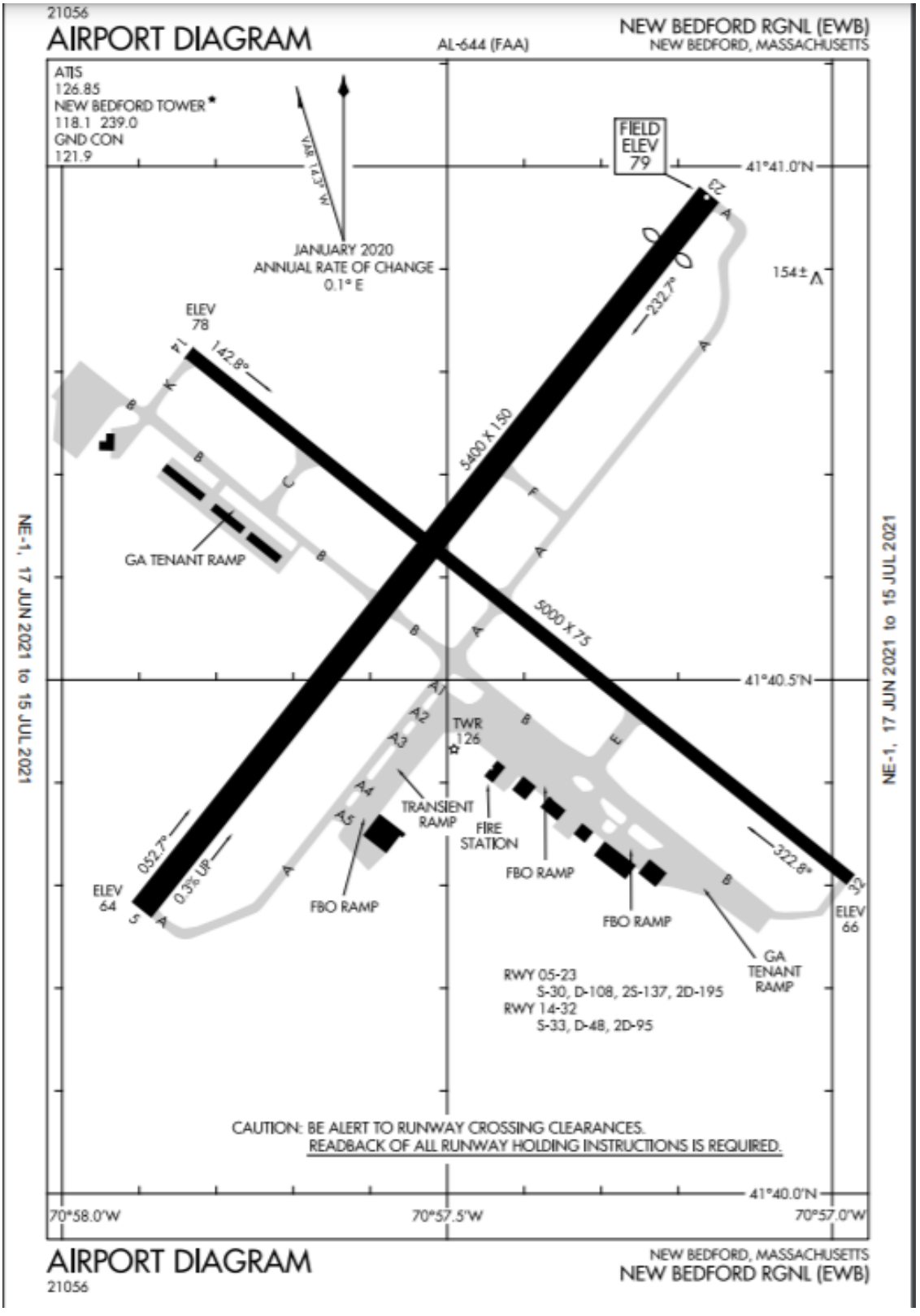
New Bedford Regional Airport

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 30 persons. Additionally, four briefing cubicles and a student study area are located in the Central Bay.

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 30 persons. The room is equipped with tables, chairs, ceiling-mounted video projector, computer terminal with internet access, and dry erase boards.

AATD Room

One room measuring 32' by 22' houses three AATD units and a crosswind trainer.

Administrative Offices

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

CPTs

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

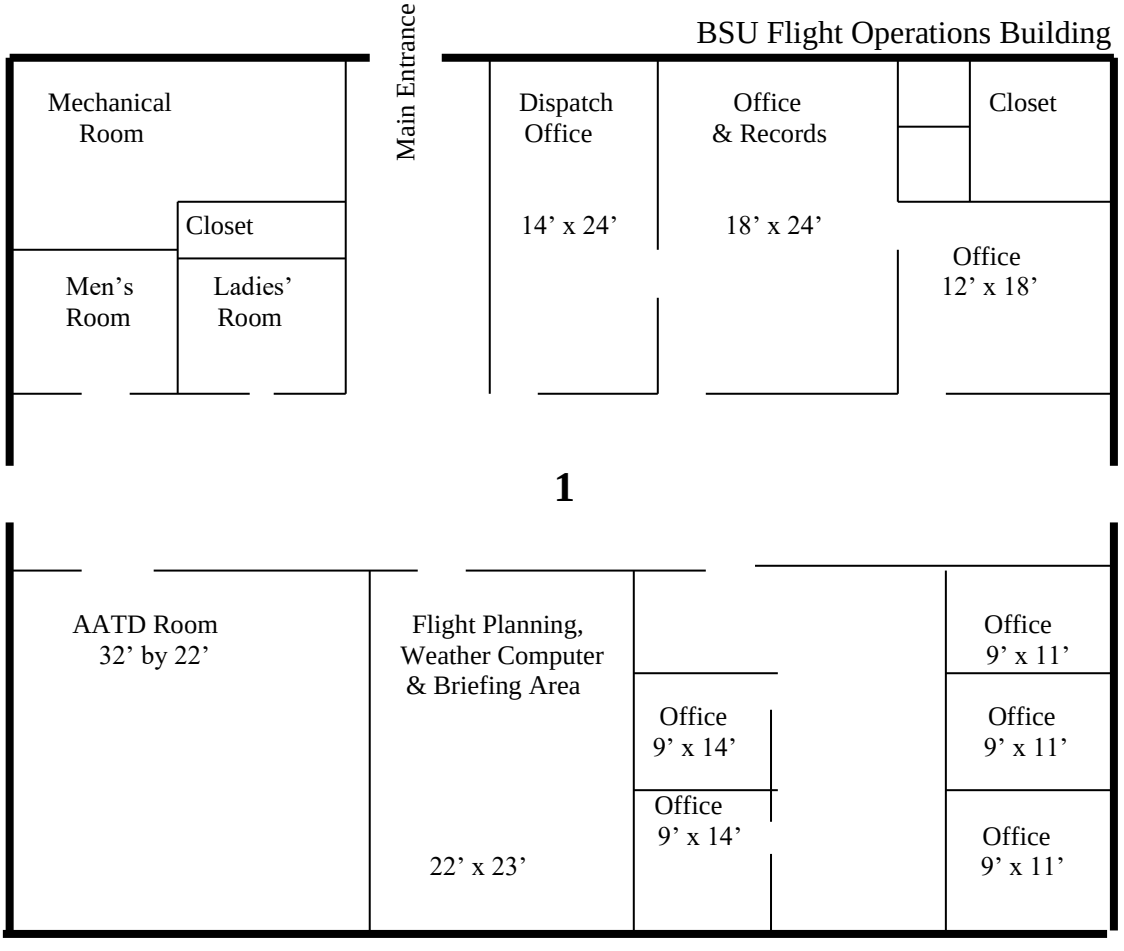
Ground Training Aids

- 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 environment free from outside distractions

Flight Training Center Diagram



Not to Scale

Ground School Classroom
23' x 34' **2**

Central Bay Briefing Area
3

LOCATION KEY

2	**3**	**1**

PART II

COURSE MANUAL

FLIGHT INSTRUCTOR AIRPLANE SINGLE ENGINE CERTIFICATION COURSE

FLIGHT INSTRUCTOR AIRPLANE SINGLE ENGINE TRAINING COURSE SYLLABUS

Table of Contents

PERSONNEL

CHIEF FLIGHT INSTRUCTOR

The Chief Flight Instructor for this course is Timothy Townsend. The 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 Timothy Townsend. The Chief Ground Instructor meets the requirements of 14 CFR 141.35(e) and is designated by letter.

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.

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.

FLIGHT INSTRUCTORS

Each Flight Instructor for the flight portion of this course holds at least a Flight Instructor certificate with appropriate ratings for the course of training and a Commercial Pilot certificate with rating(s) appropriate to the aircraft used in this course. Each Flight Instructor meets the requirements of 14 CFR 141.33(a)(3) and is designated in the Part 141 Operations Specifications.

GROUND INSTRUCTORS

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

STUDENT INFORMATION

COURSE ENROLLMENT

To be eligible for enrollment in the flight portion of this course, students must be enrolled as full-time students at Bridgewater State University, be of at least 18 years of age, be able to read, write, speak and understand the English language, and hold at least a Commercial Pilot Certificate with an Airplane Category, Single-Engine Land Class and Instrument (Airplane) Rating.

COMPLETION STANDARD FOR GRADUATION

To be eligible for graduation from this course, students must be able to read, speak, write, and understand the English language, be at least 18 years of age, hold at least a current FAA Third Class Medical, and satisfactorily complete the ground and flight training outlined in this syllabus. Students will demonstrate through oral and written exams and flight tests the knowledge and skill requirements needed to pass the FAA Fundamentals of Instructing Knowledge Test and Certified Flight Instructor – Airplane Knowledge and Practical Tests.

LESSON DESCRIPTION AND STAGES OF TRAINING

The Bridgewater State University Flight Instructor - Airplane Course (ground) contains two (2) stages and a total of 16 lessons. The Flight portion of the course contains two (2) stages and 18 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 CHECKS

The syllabus incorporates stage checks and end-of-course tests in accordance with CFR Part 141, Appendix F. 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. However, the Chief Flight Instructor may delegate authority for stage checks and end-of-course tests to the Assistant Chief or Check Instructor.

COURSE INTRODUCTION

The Bridgewater State University Flight Instructor - Airplane 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:

1. Current FAA Flight Instructor - Airplane Practical Test Standards (PTS)
2. Current FAA Aircraft Weight and Balance Handbook
3. Current FAA Current Risk Management Handbook
4. Current FAA Airplane Flying Handbook
5. Current FAA Aviation Instructor's Handbook
6. Current FAA Instrument Flying Handbook
7. Current FAA Pilot's Handbook of Aeronautical Knowledge
8. Current Order 8080.6 Conduct of Airman Knowledge Tests
9. AC 00-45H Aviation Weather
10. AC 00-6B Aviation Weather Services
11. AC 60-22 Aeronautical Decision Making
12. AC 60-28 English Language Skill Standards as required by 14 CFR parts 61, 63, and 65
13. AC 61-65 Certification: Pilots and Flight Instructors
14. AC 61-67 Stall and Spin Awareness Training
15. AC 61-84 Role of Preflight Preparation
16. AC 61-134 General Aviation Controlled Flight Into Terrain Awareness
17. AC 90-48 Pilots' Role in Collision Avoidance
18. AC 91-13 Cold Weather Operation of Aircraft
19. AC 91-73 Parts 91 and 135 Single-Pilot Procedures During Taxi Operations
20. AC 150/5340-1 Standards for Airport Markings
21. AC 150/5340-18 Standards for Airport Sign Systems
22. AC 150/5340-30 Design and Installation Details for Airport Visual Aids
23. Current FAA Chart Supplement
24. Current FAR/AIM
25. Appropriate Pilot's Operating Handbook (POH)
26. Appropriate BSU Flight Standards Manual (FSM)
27. Multimedia presentations
28. Instructor/student discussions
29. Stage and end-of-course exams

Whenever possible and practical, ground lessons are completed in ground school just prior to the respective flight lessons outlined in the syllabus. BSU may elect to present all of the ground lessons before introducing the student 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. Flight lessons should not be conducted until after the related ground lesson.

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 Flight Instructor - 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 and flight instructor 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 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 Flight Instructor - Airplane 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 understanding of the knowledge areas 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 an Assistant Chief or 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 Flight Instructor - Airplane certificate is 80%.

TEXTBOOKS/VIDEO PRESENTATIONS

Prior to each ground lesson, students are expected to study the assigned textbook(s) sections or chapters. This is the primary source for initial study and review. The texts 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.

FLIGHT INSTRUCTOR - AIRPLANE GROUND COURSE

COURSE OVERVIEW

COURSE OBJECTIVE

The student will obtain the knowledge, skill, and aeronautical experience necessary to meet the requirements for a Flight Instructor certificate with an Airplane Category and Single-Engine Land Class rating.

COURSE COMPLETION STANDARDS

The student must demonstrate through knowledge tests, flight tests, and show through appropriate records that he/she meets the knowledge, skill, and experience requirements necessary to obtain a Flight Instructor Certificate with an Airplane Category and Single-Engine Land Class rating.

TRAINING SYLLABUS

The Bridgewater State University Flight Instructor - Airplane syllabus meets all curriculum requirements of 14 CFR 141, Appendix F.

TRAINING COURSE

The Ground Training course contains two (2) stages and a total of 16 lessons.

FLIGHT INSTRUCTOR - AIRPLANE GROUND COURSE SYLLABUS

GROUND TRAINING COURSE OBJECTIVES

The student will obtain the necessary instructional knowledge and experience required to meet or exceed current FAA Part 61 requirements for the Fundamentals of Instructing and Flight Instructor – Airplane Knowledge Tests.

GROUND TRAINING COMPLETION STANDARDS

The student will demonstrate through oral and written knowledge tests and records that he/she possesses the instructional knowledge and ability necessary to pass the Stage Exams and Course Final Exam, and is prepared for the Fundamentals of Instructing and Flight Instructor – Airplane FAA Knowledge Tests.

FLIGHT INSTRUCTOR - AIRPLANE GROUND COURSE

Time Allocation Table

STAGE 1

LESSON	SUBJECT	HOURS Training	Exam
I	Introduction	1.0	
II	Human Behavior	1.5	
III	The Learning Process	3.5	
IV	Effective Communication	1.5	
V	The Teaching Process	3.0	
VI	Assessment	2.0	
VII	Planning Instructional Activity	1.5	
VIII	Instructor Responsibilities and Professionalism	1.5	
IX	Techniques of Flight Instruction	1.5	
X	Risk Management	2.0	
XI	**Stage I Exam and Review**		**1.5**
Stage 1 Totals		**19.0**	**1.5**
		20.5	

STAGE 2

LESSON	SUBJECT	HOURS Training	Exam
XII	Technical Subject Area (w/ role playing)	2.0	
XIII	Technical Subject Area (w/ role playing)	4.0	
XIV	Technical Subject Area (w/ role playing)	2.0	
XV	Weather Theory and Analysis	1.0	
XVI	Weather Services	2.0	
XVII	Technical Subject Area (w/ role playing)	3.0	
XVIII	Technical Subject Area (w/ role playing)	2.0	
XIX	**Stage II Exam and Review**		**1.5**
XX	**Course Final Exam and Review**		**2.0**
Stage 2 Totals		**16.0**	**3.5**
		19.5	
Course Totals		**40.0**	**5.0**

STAGE 1

STAGE 1 OBJECTIVES

During this stage the student will be introduced to learning theory and teaching processes, including principles of learning, ground and flight lesson planning, organization and conduct, and the responsibilities of a professional flight instructor. The student will obtain practical experience through the planning and execution of mock ground lessons.

STAGE I COMPLETION STANDARDS

This stage is complete when the student completes the Stage I Fundamentals of Instructing Exam with a minimum passing score of 80%.

STAGE 1
GROUND LESSON 1
Course Introduction

LESSON REFERENCES:

Aviation Instructor's Handbook

CFI-ASE PTS

Course Syllabus

RECOMMENDED SEQUENCE:

1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:

The student will learn about the how the TCO is written and what is required of a Flight Instructor, including proper knowledge and use of the appropriate PTS, time allocation and other instructional aids.

CONTENT:

Training Course Outlines

___ Training Books and Materials

___ Academic Calendar

___ Personal vs. Professional Influence

___ Time Constraints
___ Currency vs. Recency
___ Instructional Knowledge & Demonstration
___ Flight Proficiency

___ Safety

Practical Test Standards

___ Flight Instructor Responsibilities

___ Instructor Knowledge of PTS

___ Examiner Responsibilities

___ Applicant Responsibilities

___ Knowledge of Publications and References

___ Satisfactory vs. Unsatisfactory Performance

Instructional Aids

___ Guidelines on Use

___ Teaching Aids and Technology

COMPLETION STANDARDS:

Through oral quizzing the student will demonstrate instructional knowledge of the lesson material.

STUDY ASSIGNMENT:

Aviation Instructor's Handbook 80839A Ch. 1

STAGE 1
GROUND LESSON 2
HUMAN BEHAVIOR

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 1

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will be introduced to student behavior patterns, recognizing factors affecting behavior, effective communication, and barriers to effective communication with students.

COMPLETION STANDARDS
Through oral quizzing the student will demonstrate instructional knowledge of the material presented during the lesson.

CONTENT:
Human Behavior
___ Definitions of Human Behavior
___ Human Needs and Motivation
___ Human Nature and Motivation
___ Human Factors that Inhibit Learning
___ Student Emotional Reactions
___ Defense Mechanisms and Responses
___ Teaching Adult Students

STUDY ASSIGNMENT:
Aviation Instructor's Handbook, Ch. 2

STAGE 1
GROUND LESSON 3
THE LEARNING PROCESS

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 2,

RECOMMENDED SEQUENCE:

1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will be introduced to learning theory and application during flight training, including principles of learning and their individual importance in the learning process. Memory, retention, practice, multi-tasking, and scenario-based training (SBT) are explored.

CONTENT:
The learning process
___ Learning Theory
___ Perceptions and Insight
___ Acquiring Knowledge
___ Laws of Learning
___ Domains of Learning
___ Characteristics of Learning
___ Learning Styles
___ Acquiring Skill Knowledge
___ Types of Practice
___ Evaluation vs. Critique
___ Multi-tasking Truth and Fiction
___ Scenario-Based Training
___ Errors
___ Motivation
___ Maintaining Motivation
___ Memory
___ Retention of Learning
___ Transfer of Learning
___ Obstacles to Learning

COMPLETION STANDARDS
Through oral quizzing the student will demonstrate instructional knowledge of the material presented during the lesson.

STUDY ASSIGNMENT:
Aviation Instructor's Handbook, Ch. 3

STAGE 1
GROUND LESSON 4
EFFECTIVE COMMUNICATION

LESSON REFERENCES:
Aviation Instructor's Handbook, 3

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will be introduced to the

CONTENT:
The elements of effective communication, the barriers to communication, and the development of communication skills are discussed in this lesson. .

Basic Elements of Communication
___ Source, Symbol, Receiver
___ Barriers to Effective Communication
___ Interference
___ Word Use and Tonality
___ Body language
___ Developing Communication Skills
___ Active Listening
___ Questioning
___ Instructional Enhancement

COMPLETION STANDARDS
Through oral quizzing the student will demonstrate instructional knowledge of the material presented during the lesson.

STUDY ASSIGNMENT:
Aviation Instructor's Handbook, Ch. 4

STAGE 1
GROUND LESSON 5
THE TEACHING PROCESS

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 4

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will be introduced to the teaching process, techniques, and organization. The student will learn how to plan, organize, and execute ground and flight lessons.

CONTENT:

Teaching Process
___ Essential Teaching Skills
___ Instructor's Code of Conduct
___ Course of Training

Planning Instructional Activity
___ Course of Training
___ Training Syllabus
___ Lesson Plan

Lesson Preparation
___ Training Objectives and Standards
___ Performance-Based Objectives
___ The Importance of the PTS
___ Decision-Based Objectives

Presentation of a lesson
___ Organization of Material
___ Development of a Lesson

Teaching Delivery Methods
___ Lecture
___ Guided Discussion
___ Problem-Based Learning
___ Electronic-Based Learning
___ Cooperative or Group Learning
___ Demonstration-Performance
___ Drill and Practice
___ Lesson Application and Assessment
___ Instructional Aids and Teaching Technologies
___ Test preparation Material
___ Future Developments

COMPLETION STANDARDS
Through oral quizzing the student will demonstrate instructional knowledge of the material presented during the lesson.

STUDY ASSIGNMENT:
Aviation Instructor's Handbook, Ch. 5

STAGE 1
GROUND LESSON 6
ASSESSMENT

Aviation Instructor's Handbook, Ch.5
Appendix B-1

STUDY ASSIGNMENT:
Aviation Instructor's Handbook, Ch. 6,
Private Pilot TCO and syllabus

RECOMMENDED SEQUENCE:

1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will be introduced to assessment and evaluation principles, technique, and methods.

CONTENT:

Characteristics of Effective Assessment

___ Assessment Terminology
___ Purpose of Assessment
___ General Characteristics of Effective Assessment
___ Traditional Assessment/Testing
___ Authentic Assessment
___ Single-Pilot Resource Mgmt (SRM) "grades"
___ Choosing an Effective Assessment Method
___ Critiques and Oral Assessments

COMPLETION STANDARDS
Through oral quizzing the student will demonstrate instructional knowledge of the material presented during the lesson.

STAGE 1
GROUND LESSON 7
PLANNING INSTRUCTIONAL ACTIVITY

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 6,
Private Pilot TCO and syllabus

STUDY ASSIGNMENT:

Aviation Instructor's Handbook, Ch. 7

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
In this lesson the student will learn the key to developing well-planned and organized aviation instruction including lesson plans and training syllabi that meet all regulatory requirements. The lesson reviews the planning required by the professional CFI for conducting a lesson.

CONTENT:
___ Course of Training
___ Blocks of Learning
___ Training Syllabus
___ Lesson Plans
___ Scenario-Based Training (SBT)
___ Single-Pilot Resource Mgmt (SRM)

COMPLETION STANDARDS
Through oral quizzing student will demonstrate instructional knowledge of the material presented during the lesson.

STAGE 1
GROUND LESSON 8
INSTRUCTOR RESPONSIBILITIES AND PROFESSIONALISM

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 7

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
This lesson addresses the responsibilities of CFIs in the training process and their role as safety advocates, discusses how CFIs can enhance their professional image, and offers suggestions and sources of information to assist in professional development.

CONTENT:
___ Aviation Instructor Responsibilities
___ Flight Instructor Responsibilities
___ Aviators' Model Code of Conduct
___ Safety Practices and Accident Prevention
___ Professionalism
___ Evaluation of Student Ability
___ Aviation Instructors and Exams
___ Professional Development
___ Sources of Material

COMPLETION STANDARDS:
Through oral quizzing student will demonstrate instructional knowledge of the material presented during the lesson.

STUDY ASSIGNMENT:

Aviation Instructor's Handbook, Ch. 8

STAGE 1
GROUND LESSON 9
TECHNIQUES OF FLIGHT INSTRUCTION

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 8
Appendix C-1, E-1

STUDY ASSIGNMENT:

Aviation Instructor's Handbook, Ch. 9

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
This lesson introduces practical strategies flight instructors can use to enhance their instruction, and how to effectively evaluate students. A discussion of CFI recommendations and endorsements are included in this lesson.

CONTENT:
___ Flight Instructor Qualifications
___ Practical flight Instructor Strategies
___ Obstacles to Learning During Flight Instruction
___ Demonstration/Performance Training Delivery Method
___ Positive Exchange of Flight Controls
___ Sterile Cockpit Rule
___ Use of Distractions
___ Integrated Flight Instruction
___ Assessment of Piloting Ability
___ Aeronautical Decision-Making
___ Factors Affecting Decision Making
___ Use of Resources
___ Endorsements

COMPLETION STANDARDS:
Through oral quizzing student will demonstrate instructional knowledge of the material presented during the lesson.

STAGE 1
GROUND LESSON 10
RISK MANAGEMENT

STUDY ASSIGNMENT:
Prepare for Stage 1 Exam

LESSON REFERENCES:
Aviation Instructor's Handbook, Ch. 9

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
The student will be introduced to the concept of system safety within the flight training environment, including the process of selecting and employing appropriate controls to mitigate risk, and learn aviation risk management as a preemptive rather than reactive process. Risk management principles and tools for teaching RM in the flight training environment are expanded.

CONTENT:
___ Defining Risk Management
___ Principles of Risk Management
___ Risk Management Process
___ Level of Risk
___ Assessing Risk
___ Mitigating Risk
___ The three-P Model for Pilots
___ Pilot Self-Assessment
___ Situational Awareness
___ Single-Pilot Resource Mgmt (SRM)
___ Teaching Decision-Making Skills
___ Assessing SRM and ADM Skills

COMPLETION STANDARDS:
Through oral quizzing student will demonstrate instructional knowledge of the material presented during the lesson.

STAGE 1
GROUND LESSON 11
STAGE 1 EXAM

LESSON REFERENCES:
All texts referenced for lessons 1 - 10

RECOMMENDED SEQUENCE:
1. Testing
2. Critique

LESSON OBJECTIVE:
This lesson is a stage check conducted by the Chief Ground Instructor, Assistant Chief, or designated Check Instructor. The student will demonstrate instructional knowledge of the material presented in lessons 1 – 10 in preparation for the Stage I exam, and for the FAA Fundamentals of Instructing Knowledge Test.

CONTENT:
Material presented during lessons 1 – 10.

COMPLETION STANDARDS:
This stage is complete and the student eligible to take the FAA Fundamentals of Instructing Knowledge Test when the student has completed the Stage I written exam with a minimum passing score of 80%.

STAGE II

STAGE II OBJECTIVES

During this stage the student will review the FAA Private Pilot and Commercial Pilot certificate knowledge areas, and learn the elements necessary for conducting flight instruction in single engine land aircraft, including the maneuvers and procedures required for Private Pilot and Commercial Pilot applicants.

STAGE II COMPLETION STANDARDS

This stage is complete when the student completes the Stage II Exam and Course Final Exam with a minimum passing score of 80%.

NOTE

In the Stage II ground lessons, role-playing will be used to strengthen CFI applicant teaching skills. Role playing within this context refers to the CFI candidate(s) periodically acting as the instructor by presenting the material as assigned. The course ground instructor will provide instruction, feedback and critique regarding the CFI candidate's lesson preparation and presentation.

STAGE II
GROUND LESSON 12
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:
Flight Training Handbook, Ch. 1, Pilot's Handbook of Aeronautical Knowledge (PHAK), Ch. 7, 8, AIM Ch. 8

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will review aviation physiology, spatial disorientation, aeronautical decision making and night operations as elements of pre-flight planning and preparation.

CONTENT:

___ Part 67, Medical Certification
___ Fitness for Flight
___ Alcohol, FARs, and Performance
___ Drugs, FARs, and Performance
___ Confirmation Bias
___ Aeronautical Decision Making and Judgment
___ Hypoxia and Hypoxia Prevention
___ Hyperventilation
___ Oxygen Requirements and Equipment
___ Pressurized Oxygen
___ Decompression
___ Eye Physiology
___ Visual Scanning
___ Environmental Factors
___ Empty Field Myopia
___ Blind Spots
___ Collision Avoidance
___ Ear Physiology
___ Spatial Disorientation
___ Illusions in Flight
___ Realistic Distractions
___ Division of Attention

Night Operations
___ Preparation
___ Night Vision
___ Preflight Inspection
___ Flight Instruments
___ Visibility and Lighting

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

STUDY ASSIGNMENT:
Flight Training Handbook, Ch. 2-4, 12, 17, PHAK Ch. 1, 2, 4, 6-8, AIM Ch. 1, 9, Training Aircraft FSM

STAGE II
GROUND LESSON 13
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:

Flight Training Handbook, Ch. 2-4, 12, 17, PHAK Ch. 1, 2, 4, 6-8, AIM Ch. 1, 9, Training Aircraft FSM

RECOMMENDED SEQUENCE:

1. Lesson Introduction
2. Lecture/Teaching Demonstrations
3. Class Discussion

LESSON OBJECTIVE:
During this lesson the student will review and teach on principles of flight, weight and balance, and flight planning/navigation as elements of pre-flight planning and preparation.

CONTENT:

Principles of Flight
___ Newton's Contribution
___ Bernoulli's Contribution
___ Four Forces Acting on an Aircraft
___ Angle of Attack
___ Lift Formula/Pilot Control of Lift
___ Airfoil Design
___ Primary Flight Controls/Trim
___ Flaps, Leading Edge Devices, Spoilers
___ Turning Flight
___ Climbing and Descending
___ Changing Airspeed
___ Stalls
___ Spins

Weight and Balance
___ Determining Weight and Balance
___ Use of Performance Charts
___ Effects of Exceeding Aircraft Limitations
___ CG Location
___ Stability
___ Factors Considered in Determining Required Performance is Within Aircraft Capabilities

Flight Planning and Navigation
___ Flight Planning
___ Route Selection
___ Required Information
___ Navigation Log
___ Navigational Systems and Equipment
___ Pilotage and Dead Reckoning

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

STUDY ASSIGNMENT:
PHAK Ch. 8, Flight Training Handbook Ch. 7, AIM Ch. 2, 3

STAGE II
GROUND LESSON 14
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:
PHAK Ch. 8, Flight Training Handbook
Ch. 7, AIM Ch. 2, 4, AC 150-5340-1J

RECOMMENDED SEQUENCE:

1. Lesson Introduction
2. Lecture/Teaching Demonstrations
3. Critique

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

LESSON OBJECTIVE:
During this lesson the student will review airport operations and learn to instruct student applicants on all aspects of this subject area as elements of pre-flight planning and preparation.

STUDY ASSIGNMENT:
AC 00-6 Aviation Weather, AIM Ch. 7

CONTENT:

___ UNICOM/CTAF/Tower/Ground Control Frequencies
___ Radio Communications
___ ATC Light Signals
___ Taxiway Markings and Lighting
___ Runway Markings and Lighting
___ AC 150-5340-1J
___ Other Airport Markings
___ Airport Signs and Lighting
___ Airport Beacons
___ Visual Approach Slope Indicator (VASI)
___ Precision Approach Path Indicator (PAPI)
___ Pilot Control of Lighting

STAGE II
GROUND LESSON 15
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:
AC 00-6 Aviation Weather, AIM Ch. 7

STUDY ASSIGNMENT:
AC 00-45 Aviation Weather Services, AIM Ch. 7, A/FD

RECOMMENDED SEQUENCE:

1. Lesson Introduction
2. Lecture/Teaching Demonstrations
3. Critique

LESSON OBJECTIVE:
During this lesson the student will review aviation weather theory and analysis, and develop his/her instructional skill in teaching the listed topics.

CONTENT:

___ Atmosphere
___ Temperature
___ Pressure
___ Altitude
___ Air Density
___ Wind
___ Moisture
___ Stability
___ Cloud Types and Formation
___ Atmospheric Circulation
___ Air Masses and Fronts

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

STAGE II
GROUND LESSON 16
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:
AC 00-45 Aviation Weather Services,
AIM Ch. 7, A/FD 7

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture/Teaching Demonstrations
3. Critique

LESSON OBJECTIVE:
During this lesson the student will review aviation weather services and their sources as elements of teaching pre-flight planning and preparation, and develop his/her instructional skill in teaching the listed topics.

CONTENT:
___ Importance of Obtaining a Thorough Preflight Weather Briefing
___ Obtaining Weather Information
___ Non-Aviation Sources
___ Airport Facility Directory
___ Textual Observations and Reports
___ Graphic Observations
___ Forecasts
___ Weather Charts
___ Use of real-time Reports, Forecasts, Charts in Scenario-Based Training
___ In-Flight Weather Advisories
___ Recognizing Aviation Weather Hazards, including Wind Shear
___ Factors Considered in Making a Go/No-Go Decision

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

STUDY ASSIGNMENT:
FARs, Logbook, and Endorsements for Certificates and Ratings

STAGE II
GROUND LESSON 17
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:
FARs, Logbook, and Endorsements for Certificates and Ratings

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture/Teaching Demonstrations
3. Critique

LESSON OBJECTIVE:
During this lesson the student will learn about federal aviation regulations as they apply to instructor responsibilities for pilot logbooks and endorsements for certificates and ratings. The student will review the following areas as elements of pre-flight planning and preparation.

CONTENT:
___ CFR Part 43
___ CFR Part 61, including Class and Duration of Medical Certificates
___ CFR Part 91
___ CFR Part 141
___ NTSB 830
___ Student Pilot
___ Training Requirements: Recreational Pilot Certificate
___ Training Requirements for Issuance of Private Pilot Certificate
___ Training Requirements for an Instrument Pilot Rating
___ Training Requirements a Commercial Pilot Certificate
___ CFI Records/Limitations
___ Recency and Currency Requirements/Flight Review
___ Required Entries, Pilot Logbook or Flight Record

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

STUDY ASSIGNMENT:
Flight Training Handbook, Ch. 7, PHAK Ch. 8, AIM Ch. 3

STAGE II
GROUND LESSON 18
TECHNICAL SUBJECT AREA
(W/ ROLE PLAYING)

LESSON REFERENCES:
Flight Training Handbook, Ch. 7, PHAK Ch. 8, AIM Ch. 3

RECOMMENDED SEQUENCE:
1. Lesson Introduction
2. Lecture/Teaching Demonstrations
3. Critique

LESSON OBJECTIVE:
During this lesson the student will review aeronautical publications, airspace, and airworthiness requirements as elements of pre-flight planning and preparation.

CONTENT:

Publications
___ Airport/Facility Directory
___ NOTAMS
___ Advisory Circulars
___ Pilot's Operating Handbook
___ Airplane Flight Manual
___ FAR/AIM
___ Online Resources

Airspace
___ Controlled Airspace
___ Uncontrolled Airspace
___ Other Airspace
___ Special Use Airspace

Airworthiness Requirements
___ Inoperative Instruments or Equipment
___ Minimum Equipment List
___ Supplemental Type Certificate
___ Letter of Authorization
___ Special Flight Permit
___ Maintenance Programs

COMPLETION STANDARDS:
Through oral quizzing the student will demonstrate instructional knowledge of the material, and will demonstrate instructional ability by teaching the listed material.

STUDY ASSIGNMENT:
Preparation for Stage II Exam.

STAGE II
GROUND LESSON 19
STAGE II EXAM

LESSON REFERENCES:
All references used during lessons 12 – 18.

RECOMMENDED SEQUENCE:

1. Testing
2. Critique

LESSON OBJECTIVE:
This lesson is a stage check conducted by the Chief Ground Instructor, Assistant Chief, or designated Check Instructor. The student will demonstrate instructional knowledge of the material presented in lessons 12 – 18.

CONTENT:
Contents of lessons 12 – 18.

STUDY ASSIGNMENT:
Prepare for Course Final Exam

STAGE II
GROUND LESSON 20
COURSE FINAL EXAM

LESSON REFERENCES:
All text references for material presented during lessons 1 – 18.

RECOMMENDED SEQUENCE:

1. Testing
2. Critique

LESSON OBJECTIVE:
This is the Course Final Exam conducted by the Chief Ground Instructor, Assistant Chief, or designated Check Instructor. The student will demonstrate instructional knowledge of the material presented in lessons 1 – 18 in preparation for the FAA Flight Instructor – Airplane Knowledge Test.

CONTENT:
Material presented during lessons 1 – 18.

COMPLETION STANDARDS:
This course is complete and the student eligible to take the FAA Flight Instructor - Airplane Knowledge Test when the student has completed the Course Final Exam with a minimum passing score of 80%.

FLIGHT INSTRUCTOR - AIRPLANE FLIGHT TRAINING SYLLABUS

COURSE OBJECTIVES

The student will obtain the necessary aeronautical skill and experience necessary to meet the requirements for an Flight Instructor Certificate with an Airplane Category and Single-Engine Land class rating.

COMPLETION STANDARDS

The student must demonstrate through flight tests and school records that the necessary aeronautical skill and experience requirements to obtain Flight Instructor Certificate with an Airplane Category and Single-Engine Land Class rating have been met.

FLIGHT INSTRUCTOR – AIRPLANE FLIGHT COURSE
TIME ALLOCATION TABLE

STAGE	LESSON #	SCHED. TIME	DUAL	PRACTICE BRIEFING	PRACTICE FLIGHT INSTRUCTION	INSTRUMENT TRAINING	STAGE CHECK ORAL	STAGE CHECK FLIGHT	A/C TYPE
I	1	2.0	1.5	0.5	1.5				Non-Cplx
I	2	1.5	1.2	0.5	1.2				Non-Cplx
I	3	2.0	1.5	0.5	1.5				Non-Cplx
I	4	1.5	1.2	0.5	1.2				Non-Cplx
I	5	2.0	1.5	0.5	1.5				Non-Cplx
I	6	2.0	1.5	0.5	1.5				Non-Cplx
I	7	2.0	1.5	0.5	1.5				Non-Cplx
I	8	2.0	1.5	0.5	1.5	1.2			Non-Cplx
I	9	2.0	1.5	0.5	1.5	.6			Non-Cplx
I	10	2.0	1.5	0.5	1.5	0.2	1.5	1.5	Non-Cplx
II	11	2.0	1.5	0.5	1.5				Non-Cplx or Complex
II	12	1.5	1.2	0.5	1.2				Non-Cplx or Complex
II	13	2.0	1.5	0.5	1.5				Non-Cplx or Complex
II	14	1.5	1.2	0.5	1.2				Non-Cplx or Complex
II	15	2.0	1.5	0.5	1.5				Non-Cplx or Complex
II	16	2.0	1.5	0.5	1.5	0.3			Non-Cplx or Complex
II	17	2.0	1.5	0.5	1.5				Non-Cplx or Complex
	18	2.0	1.5	0.5	1.5	0.2	**5.0**	**2.0**	Non-Cplx or Complex
	Total		**25.8**	**9.0**		**2.5**	**6.5**	**3.5**	

NOTE

The times shown in the above table are for instructor and student guidance, and are not mandatory. Students must complete the course with not less than 25 hours of instruction provided by an authorized flight instructor.

MINIMUM COURSE HOURS
DUAL 25.0

NOTE

Instructors shall provide not less than .5 briefing (combined pre-and post-flight) for every event.

STAGE I

STAGE I OBJECTIVES

During this stage, the student will learn to perform all visual and instrument maneuvers from the right seat of the aircraft. Special emphasis will be placed on conducting all VFR maneuvers visually with proper division of attention and minimal reference to flight instruments, and minimizing transition time between any maneuvers required for a lesson. Maneuvers will encompass those found in the Private Pilot and Commercial Pilot FAA Practical Test Standards.

STAGE I COMPLETION STANDARDS

At the completion of this stage, the student will demonstrate instructional knowledge and skill in the planning and execution of each lesson and task. The student will be able to perform, analyze, and critique maneuvers and procedures, and maneuvers will be performed at a level that meets or exceeds current FAA Private Pilot or Commercial Pilot Practical Test Standards, as appropriate.

STAGE I
FLIGHT LESSON 1
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-flight Briefing and Evaluation

LESSON OBJECTIVE:
During this lesson the student is introduced to flight from the right seat of the airplane. The student will learn to apply instructional techniques and methods to perform and analyze the listed maneuvers and procedures, and minimize transition time between maneuvers in order to increase lesson efficiency.

CONTENT:

INTRODUCTION
___ Risk Assessment and Mitigation
___ Certificates and Documents
___ Airworthiness Requirements
___ Weather Information
___ Performance and Limitations
___ Systems
___ Avionics Failure
___ Preflight Inspection
___ Single Pilot Resource Management
___ Engine Starting
___ Ground Operations
___ Airport and Runway Markings and Lighting
___ Runway Incursion Avoidance
___ Radio Communications
___ Before Takeoff Check
___ Departure Briefing
___ Collision Avoidance
___ Normal and/or Crosswind Takeoff and Climb
___ Traffic Pattern Operations
___ Straight and Level Flight
___ Use of Trim
___ Level Turns
___ Maneuvering During Slow Flight
___ Power-On Stall
___ Power-Off Stall
___ Turning Stall
___ Normal and/or Crosswind Approach and Landing
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
At the completion of this lesson the student will demonstrate increasing instructional knowledge and proficiency in all listed maneuvers. Altitude will be maintained +/- 100', headings +/- 10^0, airspeeds +/- 10 knots. Takeoff and landing must meet or exceed FAA Commercial Pilot PTS.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 2
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-flight Briefing and Evaluation

LESSON OBJECTIVE:
During this lesson the student will increase his/her proficiency in demonstrating and teaching attitude instrument flying, and be introduced to the instruction of specialized takeoffs and landings, ground reference maneuvers, and emergency procedures. Students will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:

REVIEW:

___ Risk Assessment and Mitigation
___ Preflight Inspection
___ Single Pilot Resource Management
___ Airport, Runway and Taxiway Markings, and Lighting
___ Runway Incursion Avoidance
___ Radio Communications
___ Before Takeoff Check
___ Departure Briefing
___ Collision Avoidance
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION

___ GPS Set-Up and Use
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Rectangular Course
___ S-Turns Across a Road
___ Turns Around a Point
___ Eights On Pylons
___ Steep Turns
___ Chandelles
___ Lazy Eights
___ Forward Slip to a Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Go Around/Rejected Landing
___ Systems and Equipment Malfunctions
___ Emergency Approach and Landing

COMPLETION STANDARDS:
At the completion of this lesson the student will demonstrate increasing instructional knowledge and proficiency in all listed maneuvers. Altitude will be maintained +/- 100', headings +/- 10^0, airspeeds +/- 10 knots. Takeoff and landing must meet or exceed FAA Commercial PTS.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 3
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-flight Briefing and Evaluation

LESSON OBJECTIVE:
During this lesson the student will increase instructional proficiency in minimizing transition time between maneuvers while reviewing previously learned maneuvers and procedures, and will be introduced to demonstration stalls and demonstration of the impossible turn. Students will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:
REVIEW:
___ Risk Assessment and Mitigation
___ GPS Set-Up and Use
___ Departure Briefing
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Slip to a Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Emergency Approach and Landing
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION:
___ Steep Spirals
___ Crossed-Control Stall (Demonstration)
___ Elevator Trim Stall (Demonstration)
___ Accelerated Stall (Demonstration)
___ Secondary Stall Demonstration)
___ The Impossible Turn (Demonstration)
___ Emergency Equipment and Survival Gear

COMPLETION STANDARDS:
At the completion of this lesson the student will demonstrate increasing instructional knowledge and proficiency in all listed maneuvers. Flight maneuvers will be performed at a level that meets or exceeds FAA Commercial Pilot PTS.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 4
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-flight Briefing and Evaluation

LESSON OBJECTIVE:
During this lesson the student will be introduced to spin entry, spins, and spin recovery. The student will increase instructional proficiency in teaching of all required maneuvers and procedures, and will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:

REVIEW:
___ Risk Assessment and Mitigation
___ Preflight Inspection
___ Airworthiness
___ Single Pilot Resource Management
___ Use of Airport Diagram
___ Normal and/or Crosswind Takeoff and Climb
___ Traffic Pattern Operations
___ Slip to a Landing
___ Short-Field Approach and Landing
___ The Impossible Turn (Demonstration)
___ Normal and/or Crosswind Approach and Landing
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION:
___ Stall Awareness
___ Spin Entries, Spins, and Spin Recovery
___ Recovery from Unusual Flight Attitudes

COMPLETION STANDARDS:
At the completion of this lesson the student will demonstrate increasing instructional knowledge and proficiency in all listed maneuvers. During spins, the student will conduct 1-turn spins to the left and to the right, and demonstrate clear understanding and execution of proper entry and recovery techniques. Flight maneuvers will be performed at a level that meets or exceeds FAA Commercial Pilot PTS.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 5
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:

During this lesson the student will be introduced to common student errors in the performance of the listed maneuvers, and will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:

REVIEW:

___ Risk Assessment and Mitigation
___ Normal and/or Crosswind Takeoff and Climb
___ Short-Field Takeoff and Climb
___ Positional Awareness
___ Use of Trim
___ Crossed-Control Stall
___ Secondary Stall
___ Accelerated Stall
___ Steep Turns
___ Power-On Stall
___ Power-Off Stall
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Emergency Approach and Landing
___ Short-Field Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:

At the completion of this lesson the student will demonstrate increasing instructional knowledge and proficiency in all listed maneuvers. Flight maneuvers will be performed at a level that meets or exceeds FAA Commercial Pilot PTS.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 6
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:

During this lesson the student will demonstrate increased instructional proficiency in the listed maneuvers and procedures, will be introduced to additional systems and equipment failures/abnormalities, and will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

REVIEW:

___ Risk Assessment and Mitigation
___ Departure Briefing
___ Normal and/or Crosswind Takeoff and Climb
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Maneuvering During Slow Flight
___ Turning Stall
___ Elevator Trim Stall
___ Cross-Control Stall
___ Accelerated Stall
___ The Impossible Turn (Demonstration)
___ Steep Turns
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Eights On Pylons
___ S-Turns Across a Road
___ Avionics Failure
___ Emergency Approach and Landing (Simulated)
___ Positional Awareness
___ Normal and/or Crosswind Approach and Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION:

___ Simulated Communications Failure
___ Emergency Descent
___ No-Flap Landing
___ Postflight Procedures

COMPLETION STANDARDS:

At the completion of this lesson the student will demonstrate increased instructional proficiency in analyzing and performing the listed maneuvers and procedures, including correct procedures and instruction during systems and equipment failures.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 7
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will demonstrate increased instructional proficiency in the performance and analysis of the listed maneuvers and will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:

REVIEW:
___ Risk Assessment and Mitigation
___ Normal and/or Crosswind Takeoff and Climb
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Steep Turns
___ Turning Stalls
___ The Impossible Turn (Demonstration)
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Eights On Pylons
___ Rectangular Course
___ Emergency Descent
___ Emergency Approach and Landing (Simulated)
___ Positional Awareness
___ Avionics Failure
___ Simulated Communications Failure
___ Go-Around/Rejected Landing
___ Power-Off 180^0 Accuracy Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ No-Flap Landing
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
At the completion of this lesson the student will demonstrate increased instructional proficiency including analyzing and performing the listed maneuvers and procedures, and will demonstrate correct procedures and instruction during systems and equipment failures.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 8
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will be introduced to full and partial panel instrument flight and navigation instruction from the right seat of the aircraft, and increase instructional knowledge and proficiency with partial panel instrument navigation procedures. The student will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:
INTRODUCTION:
Full and Partial Panel

___ Risk Assessment and Mitigation
___ Departure Briefing
___ Normal and/or Crosswind Takeoff and Climb
___ Straight and Level Flight (IR)
___ Use of Trim (IR)
___ Standard Rate Turns (IR)
___ Turns to Headings (IR)
___ Constant Rate Climbs and Descents (IR)
___ Constant Airspeed Climbs/Descents(IR)
___ Climbing and Descending Turns (IR)
___ Maneuvering During Slow Flight (IR)
___ Power-Off Stall (Imminent) (IR)
___ Power-On Stall (Imminent) (IR)
___ Steep Turns (Full Panel) (IR)
___ Recovery from Un. Flight Attitudes (IR)
___ Systems and Equip. Malfunctions (IR)
___ Simulated Communications Failure (IR)
___ Malfunction Reports (IR)
___ Compass Turns (IR)
___ Timed Turns to Compass Headings (IR)
___ VOR Orientation, Intercepting and Tracking (IR)
___ VOR Receiver Failure
___ GPS Orientation, Intercepting and Tracking (IR)
___ Normal and/or X-wd Approach & Ldg
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and correctly analyze, describe and correct common student errors during the performance of all listed tasks. Instrument flight maneuvers will be performed at a level that meets or exceeds current FAA Instrument Rating PTS.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 9
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
During this lesson the student will review full and partial panel instrument flying, navigational system orientation, intercepting and tracking. The student will review visual maneuvers and procedures in preparation for the upcoming stage check, and will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:
REVIEW:

___ Risk Assessment and Mitigation
___ Normal and/or Crosswind Takeoff and Climb
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Maneuvering During MCA (VR/IR)
___ Power-Off Stall (Imminent) (VR/IR)
___ Power-On Stall (Imminent) (VR/IR)
___ Steep Turns (Full Panel) (VR)
___ Recovery from Unusual Flight Attitudes (VR/IR)
___ Simulated Comms Failure (VR/IR)
___ Malfunction Reports
___ Compass Turns (IR)
___ Timed Turns to Compass Headings (IR)
___ VOR Orientation, Intercepting and Tracking (IR)
___ GPS Orientation, Intercepting and Tracking (IR)
___ Emergency Descent
___ Eights On Pylons
___ Emergency Approach and Landing (Simulated)
___ Go-Around/Rejected Landing
___ Power-Off 180^0 Accuracy Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Postflight Procedures
___ As Required By Instructor
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and correctly analyze, describe and correct common student errors during the performance of all maneuvers and procedures. Instrument flight maneuvers will be performed at a level that meets or exceeds current FAA Instrument Rating Practical Test Standards.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE I
FLIGHT LESSON 10
DUAL — STAGE CHECK

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:

This lesson is the intermediate stage check conducted by the Chief Flight Instructor, Assistant Chief, or designated Check Instructor. During this lesson the student will be evaluated on his/her ability to plan and conduct the lesson sequence efficiently and provide an effective instructional explanation and demonstration for the listed tasks.

CONTENT:

ORAL

___ Certificates and Documents
___ Airworthiness Requirements
___ Flight Instructor Privileges and Limitations
___ Aircraft Systems and Operation
___ Performance and Limitations
___ Flight Instructor Responsibilities
___ Aeronautical Decision Making
___ Risk Assessment and Mitigation

FLIGHT

Preflight Procedures (Select At Least B, D, F, And One Other Task)

A. ___ Preflight Inspection
B. ___ Single Pilot Resource Management
C. ___ Engine Starting
D. ___ Taxiing
E. ___ Before Takeoff Check
F. ___ Risk Assessment and Mitigation

Airport Operations (Select At Least C And One Other Task)

A. ___ Radio Communications and ATC Light Signals
B. ___ Traffic Patterns
C. ___ Airport, Runway and Taxiway Signs, Markings, and Lighting

Takeoffs, Landings, And Go-Arounds (ALL Tasks Required)

A. ___ Normal and/or Crosswind Takeoff and Climb
B. ___ Short-Field Takeoff and Climb
C. ___ Soft-Field Takeoff and Climb
D. ___ Slip to a Landing
E. ___ Go-Around/Rejected Landing
F. ___ Normal and/or Crosswind Approach and Landing
G. ___ Power-Off 180^0 Accuracy Landing
H. ___ Short-Field Approach and Landing
I. ___ Soft-Field Approach and Landing

Fundamentals of Flight (Select At Least One Task)

A. ___ Straight and Level Flight
B. ___ Level Turns
C. ___ Straight Climbs and Climbing Turns
D. ___ Turning Climbs and Descending Turns

Performance Maneuvers (ALL Tasks Required)

A. ___ Steep Turns
B. ___ Chandelles
C. ___ Lazy Eights
D. ___ Steep Spirals

Ground Reference Maneuvers (Select At Least D And One Other Task)
A. ___ Rectangular Course
B. ___ S-Turns Across a Road
C. ___ Turns Around a Point
D. ___ Eights on Pylons

Slow Flight, Stalls, and Spins (Select At Least B or C, one of D, E, F, or G, and select H)
A. ___ Maneuvering During Slow Flight
B. ___ Power-On Stall (Proficiency)
C. ___ Power-Off Stall (Proficiency)
D. ___ Elevator Trim Stall (Demonstration)
E. ___ Cross-Control Stall (Demonstration)
F. ___ Accelerated Stall (Demonstration)
G. ___ Secondary Stall (Demonstration)
H. ___ Spins (Present Endorsement)

Basic Instrument Maneuvers (Select At Least A and E, and One Other Task)
A. ___ Straight and Level Flight (IR)
B. ___ Turns to Headings (IR)
C. ___ Constant Airspeed Climbs (IR)
D. ___ Constant Airspeed Descents (IR)
E. ___ Recovery From Unusual Flight Attitudes (IR)

Emergency Operations (Select At Least A, B, and One Other Task)
A. ___ Systems and Equipment Malfunctions
B. ___ Emergency Approach and Landing (Simulated)
C. ___ Emergency Equipment and Survival Gear
D. ___ Emergency Descent

Post-Flight Procedures
___ Post-flight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and correctly analyze, describe and correct common student errors during the performance of all maneuvers and procedures. All maneuvers and procedures will be performed at a level that meets or exceeds current FAA Private Pilot and Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II

STAGE II OBJECTIVES

During this stage, the student will learn to perform all visual and instrument maneuvers from the right seat of the complex aircraft*, with special emphasis placed on accurate execution of maneuvers and procedures involving propeller and landing gear configuration changes. Special emphasis will also be placed on conducting the VFR maneuvers visually with proper division of attention and minimal reference to flight instruments, and on increasing proficiency in minimizing transition time between maneuvers. Maneuvers will encompass those found in the Private Pilot and Commercial Pilot FAA Practical Test Standards.

STAGE II COMPLETION STANDARDS

At the completion of this stage, the student will demonstrate instructional knowledge and skill in the planning and execution of each lesson and task. The student will be able to perform, analyze, and critique maneuvers and procedures, and maneuvers will be performed at a level that meets or exceeds current FAA Private Pilot, Commercial Pilot, and Flight Instructor - Airplane Practical Test Standards, as appropriate.

***Lessons may be conducted in a non-complex aircraft if no complex aircraft are available at the scheduled time**

STAGE II
FLIGHT LESSON 11
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will be introduced to practice flight instruction conducted from the right seat of a complex or non-complex aircraft. The lesson will focus on developing the correct visual perspective from the right seat of the aircraft. The student will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:
INTRODUCTION:
PREFLIGHT DISCUSSION
___ Risk Assessment and Mitigation
___ Certificates and Documents
___ Airworthiness Requirements
___ Aircraft Systems and Operation
___ Performance and Limitations
___ Flight Instructor Responsibilities
___ Aeronautical Decision Making
FLIGHT
___ Preflight Inspection
___ Use of Checklists
___ Single Pilot Resource Management
___ Engine Starting
___ Taxiing
___ Departure Briefing
___ Before Takeoff Check
___ Runway Incursion Avoidance
___ Normal and/or Crswd Takeoff/Climb
___ Straight and Level Flight
___ Use of Trim
___ Level Turns
___ Constant Rate Climbs and Descents
___ Constant Airspeed Climbs and Descents
___ Maneuvering During Slow Flight
___ Power-On Stall
___ Power-Off Stall
___ Steep Turns
___ Rectangular Course
___ S-Turns Across a Road
___ Turns Around a Point
___ Emergency Approach Ldg (Simulated)
___ Go-Around/Rejected Landing
___ Normal and/or X-wd Approach & Ldg
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and proficiency during the performance of all maneuvers and procedures in the complex aircraft. Maneuvers will be performed at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 12
DUAL -- LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:

The student will review practice flight instruction conducted from the right seat of a complex or non-complex aircraft, and will be introduced to specialized takeoffs and landings. The student will increase checklist proficiency and accuracy with configuration changes in the complex or non-complex aircraft. The student will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:

REVIEW:

___ Risk Assessment and Mitigation
___ Preflight Inspection
___ Use of Checklists
___ Cockpit Management
___ Before Takeoff Check
___ Runway Incursion Avoidance
___ Normal and/or X-wd Takeoff
___ Maneuvering During Slow Flight
___ Power-On Stall
___ Power-Off Stall
___ Emergency Appch & Ldg (Sim)
___ Go-Around/Rejected Landing
___ Normal and/or X-wd Appch & Ldg
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION:

___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Simulated Communications Failure
___ Recovery From Unusual Flight Attitudes
___ The Impossible Turn (Demonstration)
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ No-Flap Landing
___ Systems and Equipment Malfunctions
___ Postflight Procedures

COMPLETION STANDARDS:

The student will demonstrate instructional knowledge and proficiency on all areas and tasks, at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 13
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will review the listed maneuvers and procedures, be introduced to additional commercial-level maneuvers, and increase his/her ability to provide effective flight instruction in the complex or non-complex aircraft. Special emphasis will be placed on conducting the maneuvers visually with proper division of attention. The student will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:
REVIEW:
___ Risk Assessment and Mitigation
___ GPS Set-Up and Use
___ Departure Briefing
___ Normal and/or Crosswind Takeoff and Climb
___ Maneuvering During Slow Flight
___ Power-On Stall
___ Power-Off Stall
___ Emergency Appch & Ldg (Simulated)
___ Go-Around/Rejected Landing
___ Normal and/or X-wd Approach & Ldg
___ Recovery from Unusual Flight Attitudes
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION:
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Eights on Pylons
___ Crossed-Control Stall (Demonstration)
___ Elevator Trim Stall (Demonstration)
___ Accelerated Stall (Demonstration)
___ Secondary Stall (Demonstration)

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and proficiency on all areas and tasks, at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 14
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will perform, analyze, and critique the listed maneuvers and procedures in the complex or non-complex aircraft, while describing and correcting common student errors. The student will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency.

CONTENT:
___ Risk Assessment and Mitigation
___ Normal and/or Crosswind Takeoff and Landing
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Rectangular Course
___ Traffic Patterns
___ Slip to a Landing
___ Systems and Equipment Malfunctions
___ Emergency Approach and Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Go Around/Rejected Landing
___ Normal and/or Crosswind Approach and Landing
___ Postflight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and proficiency on all areas and tasks, while describing and correcting common student errors, at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 15
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will demonstrate increased instructional knowledge and proficiency on all tasks. Tasks will be performed while describing and correcting common student errors and demonstrating Single Pilot Resource Management (SRM) and Aeronautical Decision-Making at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot Practical Test Standards, as appropriate.

CONTENT:
___ Risk Assessment and Mitigation
___ GPS Set-Up and Use
___ Before Takeoff Check
___ Runway Incursion Avoidance
___ Radio Communications and ATC Light Signals
___ Airport, Taxiway, and Runway Markings, and Lighting
___ Use of Checklists
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Use of Trim
___ Steep Turns
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Turning Stall
___ Rectangular Course
___ S-Turns Across a Road
___ Eights on Pylons
___ Systems and Equipment Malfunctions
___ Emergency Equip. and Survival Gear
___ Emergency Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Go-Around/Rejected Landing
___ Post-flight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and proficiency on all areas and tasks, while describing and correcting common student errors, at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 16
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will review instrument maneuvers and procedures as necessary in preparation for the end-of-course stage check. The student will continue to develop skill in transitioning between maneuvers in order to increase lesson efficiency, and demonstrate Single Pilot Resource Management (SRM) and Aeronautical Decision-Making at a level that meets or exceeds current FAA Private Pilot, or Commercial Pilot Practical Test Standards, as appropriate.

CONTENT:
REVIEW:
___ Risk Assessment and Mitigation
___ Departure Briefing
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Steep Turns
___ Maneuvering During Slow Flight (VR)
___ Turning Stall
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Rectangular Course
___ S-Turns Across a Road
___ Turns Around a Point
___ Eights on Pylons
___ Systems and Equipment Malfunctions
___ Emergency Equip. and Survival Gear
___ Emergency Approach and Landing
___ Power-Off 180^0 Accuracy Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Go-Around/Rejected Landing
___ Post-flight Procedures
___ Debrief and Risk Mitigation Evaluation

INTRODUCTION:
___ Straight Climbs & Climbing Turns(IR)
___ Maneuvering During Slow Flight (IR)
___ Turns to Headings (IR)
___ Recovery From Unusual Flight Attitudes (IR)

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and proficiency on all areas and tasks, at a level that meets or exceeds current FAA Private Pilot, Instrument Rating, or Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 17
DUAL — LOCAL

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:
The student will demonstrate increased instructional knowledge and proficiency on all tasks. Tasks will be performed while describing and correcting common student errors. The student will demonstrate skill in transitioning between maneuvers in order to increase lesson efficiency, and demonstrate SRM and ADM at a level that meets or exceeds current FAA Flight Instructor Practical Test Standards, as appropriate.

CONTENT:
___ Risk Assessment and Mitigation
___ Preflight Inspection
___ Runway Incursion Avoidance
___ Use of Checklists
___ Short-Field Takeoff and Climb
___ Soft-Field Takeoff and Climb
___ Steep Turns
___ Chandelles
___ Lazy Eights
___ Steep Spirals
___ Eights on Pylons
___ Maneuvering During Slow Flight
___ Secondary Stall
___ Elevator Trim Stall
___ Crossed-Control Stall
___ Accelerated Stall
___ Slip to a Landing
___ Systems and Equipment Malfunctions
___ Emergency Approach and Landing (Simulated)
___ Go-Around/Rejected Landing
___ Power-Off 180^0 Accuracy Landing
___ Short-Field Approach and Landing
___ Soft-Field Approach and Landing
___ Post-flight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:
The student will demonstrate instructional knowledge and proficiency on all areas and tasks, at a level that meets or exceeds current FAA Private Pilot, Instrument Rating, or Commercial Pilot Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____

STAGE II
FLIGHT LESSON 18
DUAL — LOCAL
END-OF-COURSE STAGE CHECK

RECOMMENDED SEQUENCE:

1. Preflight Briefing
2. Flight
3. Post-Flight Brief and Evaluation

LESSON OBJECTIVE:

This lesson is the end-of-course stage check conducted by the Chief Flight Instructor, Assistant Chief, or designated Check Instructor. During this lesson the student will be evaluated on his/her ability to provide an effective instructional explanation and demonstration for the listed tasks at a level that meets or exceeds current FAA Private Pilot, Commercial Pilot, and Flight Instructor – Airplane Practical Test Standards, as appropriate.

CONTENT:

ORAL

Fundamentals of Instruction (Select At Least Tasks B, F, G, And One Other Task)

A. ___ The Learning Process
B. ___ Human Behavior and Effective Communication
C. ___ The Teaching Process
D. ___ Teaching Methods
E. ___ Critique and Evaluation
F. ___ Flight Instructor Characteristics and Responsibilities
G. ___ Planning Instructional Activity

Technical Subject Areas (Select At Least Tasks B through F, I, L, and M, and One Other Task)

A. ___ Aeromedical Factors
B. ___ Visual Scanning and Collision Avoidance
C. ___ Principles of Flight
D. ___ Airplane Flight Controls
E. ___ Airplane Weight and Balance
F. ___ Navigation and Flight Planning
G. ___ Night Operations
H. ___ High Altitude Operations
I. ___ Federal Aviation Regulations and Publications
J. ___ National Airspace System
K. ___ Navigation Systems and Radar Services
L. ___ Logbook Entries and Certificate Endorsements
M. ___ Risk Assessment and Mitigation

Pre-Flight Preparation (ALL Tasks Required)

A. ___ Certificates and Documents
B. ___ Airworthiness Requirements
C. ___ Weather Information
D. ___ Operation of Systems
E. ___ Performance and Limitations

Lesson on a Maneuver to be Performed in Flight (Select at least one maneuver from PTS Areas of Operation VII through XIII)

___ Maneuver Lesson

FLIGHT

Preflight Procedures (Select At Least A, B, D, And One Other Task)

A. ___ Risk Assessment and Mitigation
B. ___ Preflight Inspection
C. ___ Single Pilot Resource Management
D. ___ Engine Starting
E. ___ Taxiing
F. ___ Before Takeoff Check

Airport Operations (Select At Least C And One Other Task)

A. ___ Radio Communications and ATC Light Signals
B. ___ Traffic Patterns
C. ___ Airport, Runway and Taxiway Signs, Markings, and Lighting

Takeoffs, Landings, And Go-Arounds (ALL Tasks Required)

A. ___ Normal and/or Crosswind Takeoff and Climb
B. ___ Short-Field Takeoff and Climb
C. ___ Soft-Field Takeoff and Climb
D. ___ Slip to a Landing
E. ___ Go-Around/Rejected Landing
F. ___ Normal and/or Crosswind Approach and Landing
G. ___ Power-Off 180^0 Accuracy Landing
H. ___ Short-Field Approach and Landing
I. ___ Soft-Field Approach and Landing

Fundamentals of Flight (Select At Least One Task)

A. ___ Straight and Level Flight
B. ___ Level Turns
C. ___ Straight Climbs and Climbing Turns
D. ___ Turning Climbs and Descending Turns

Performance Maneuvers (ALL Tasks Required)

A. ___ Steep Turns
B. ___ Chandelles
C. ___ Lazy Eights
D. ___ Steep Spirals

Ground Reference Maneuvers (Select At Least D And One Other Task)

A. ___ Rectangular Course
B. ___ S-Turns Across a Road
C. ___ Turns Around a Point
D. ___ Eights on Pylons

Slow Flight, Stalls, and Spins (Select At Least B or C, one of D, E, F, or G, and select H)

A. ___ Maneuvering During Slow Flight
B. ___ Power-On Stall (Proficiency)
C. ___ Power-Off Stall (Proficiency)
D. ___ Elevator Trim Stall (Demonstration)
E. ___ Cross-Control Stall (Demonstration)
F. ___ Accelerated Stall (Demonstration)
G. ___ Secondary Stall (Demonstration)
H. ___ Spins (Present Endorsement)

Basic Instrument Maneuvers (Select At Least A and E, and One Other Task)

A. ___ Straight and Level Flight (IR)
B. ___ Turns to Headings (IR)
C. ___ Constant Airspeed Climbs (IR)
D. ___ Constant Airspeed Descents (IR)
E. ___ Recovery From Unusual Flight Attitudes (IR)

Emergency Operations (Select At Least A, B, and One Other Task)

A. ___ Systems and Equipment Malfunctions
B. ___ Avionics Failure
C. ___ Emergency Approach and Landing (Simulated)
D. ___ Emergency Equipment and Survival Gear
E. ___ Emergency Descent

Post-Flight Procedures

___ Post-flight Procedures
___ Debrief and Risk Mitigation Evaluation

COMPLETION STANDARDS:

The student will demonstrate his/her ability to provide an effective instructional explanation and demonstration for the listed subject areas and flight procedures/maneuvers at a level that meets or exceeds current FAA Private Pilot, Commercial Pilot, and Flight Instructor – Airplane Practical Test Standards, as appropriate.

DATE:_____ GRADE (C/INC):_____

_____
Student Name / Signature / Student #

_____
CFI Name / Signature / CFI # & EXP.

_____ _____
RTE OF FLIGHT X-CTRY TIME

 # DAY/NT LDGS (& Location):_____

HOOD/ACT: _____ TOTAL: ____ DUAL: _____