

Instrument Rating Flight School Syllabus

Foreword

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

Study Tips

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

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STAGE OBJECTIVES & COMPLETION STANDARDS

STAGE I. INSTRUMENT FOUNDATIONS

OBJECTIVES: Introduce the fundamentals of instrument flying, transition private pilot flying techniques to flight with no visual cues. To build a useful scan of the instruments to create better situational awareness. **Although it is not listed as required information in the ACS**, all private pilot **knowledge areas should be revisited for proficiency**.

COMPLETION STANDARDS: Demonstrate knowledge of all private pilot certification standards per ACS. Demonstrate basic knowledge of the components that make up instrument flying. Understand the who, what, where, when, why, and how to instrument flying.

STAGE II. DEPARTURE, ENROUTE, ARRIVAL, EMERGENCIES, ABNORMALITIES

OBJECTIVES: Introduce the pieces of creating an IFR flight plan.

COMPLETION STANDARDS: Demonstrate the proper planning and execution of IFR cross country flight. To evaluate all possible emergency scenarios and how to safely complete the flight with reference to the FAR/AIM and ACS standards.

STAGE III. PARTIAL PANEL LONG XC AND CHECKRIDE

OBJECTIVES: Students will build upon their instrument flight training to introduce partial panel flying while evaluating all other stages of the flight simultaneously. Students will perform the required checkride preparation per the FAR.

COMPLETION STANDARDS: Student successfully demonstrates proficiency in all requirements of the ACS. Students are able to assess and correct for partial panel execution. Students complete the required checkride preparation and are endorsed for the instrument checkride.

Instrument Rating- FAR PART 61 CERTIFICATION REQUIREMENT SUMMARY

INSTRUMENT RATING REQUIREMENTS

- ☐ Hold at least a current private pilot certificate, or be concurrently applying for a private pilot certificate, with an airplane, helicopter, or powered-lift rating appropriate to the instrument rating sought ☐ Be able to read, speak, write, and understand the English language □ Receive and log ground training from an authorized instructor or accomplish a home-study course of training on the aeronautical knowledge areas of paragraph (b) of this section that apply to the instrument rating sought ☐ Receive a logbook or training record endorsement from an authorized instructor certifying that the person is prepared to take the required knowledge test ☐ Receive and log training on the areas of operation of paragraph (c) of this section from an authorized instructor in an aircraft, full flight simulator, or flight training device that represents an airplane, helicopter, or powered-lift appropriate to the instrument
- rating sought; ☐ Receive a logbook or training record endorsement from an authorized instructor certifying that the person is prepared to take the required practical test; ☐ Pass the required knowledge test on the aeronautical knowledge areas of paragraph (b) of this section ☐ Pass the required practical test on the areas of operation in paragraph (c) of this section in -(i) An airplane, helicopter, or powered-lift appropriate to the rating sought; or (ii) A full flight simulator or a flight training device appropriate to the rating sought and for the specific maneuver or instrument approach procedure performed. If an approved flight training device is used for the practical test, the instrument approach procedures conducted in that flight training device are limited to one precision and one non precision approach, provided the flight training device is approved for the procedure performed.

AERONAUTICAL KNOWLEDGE

A person who applies for an instrument rating must have received and logged ground training from an authorized instructor or accomplished a home-study course on the following aeronautical knowledge areas that apply to the instrument rating sought

☐ Appropriate information that applies to flight operations under IFR in the "Aeronautical Information Manual;"	forecasting weather trends based on that information and personal observation of weather conditions
 □ Air traffic control system and procedures for instrument flight operations □ IFR navigation and approaches by use of navigation systems □ Use of IFR en route and instrument approach procedure charts □ Procurement and use of aviation weather reports and 	 Safe and efficient operation of aircraft under instrument flight rules and conditions □ Recognition of critical weather situations and windshear avoidance □ Aeronautical decision making and judgment □ Crew resource management, including crew communication
forecasts and the elements of	and coordination
FLIGHT PROFICIENCY	
A person who applies for an instrument rat ground training from an authorized instruc- on the following aeronautical knowledge sought	tor or accomplished a home-study course
 Preflight procedures; Air traffic control clearances and procedures Flight by reference to instruments 	 Navigation systems Instrument approach procedures Emergency operations Postflight procedure

AERONAUTICAL EXPERIENCE for the INSTRUMENT AIRPLANE RATING

APPLICANTS MUST LOG

□ 50 hours of cross-country flight time as pilot in command, of which 10 hours must have been in an airplane; and □ (g) 45 for a dual private pilot and instrument applicant □ 40 hours of actual or simulated instrument time in the areas of operation of which 15 hours must have been received from an authorized instructor who holds an instrument-airplane rating, and the instrument time includes: □ (i) Three hours of instrument flight training from an authorized instructor in an airplane that is appropriate to the instrument-airplane rating within 2 calendar months before the date of the practical test USE OF A FULL FLIGHT SIMULATOR or FTD	 (ii) Instrument flight training on cross country flight procedures, including one cross country flight in an airplane with an authorized instructor, that is performed under instrument flight rules, when a flight plan has been filed with an air traffic control facility, and that involves - (A) A flight of 250 nautical miles along airways or by directed routing from an air traffic control facility (B) An instrument approach at each airport (C) Three different kinds of approaches with the use of navigation systems.
☐ 30 hours can be used in a FTD	
USE OF AN AVIATION TRAINING DEVICE	
 10 hours can be used in a Basic Avauthorized by the FAA to do so 20 hours can be used in an Advanit is authorized by the FAA to do so 	ced Aviation Training device as long as

Checklist before first meeting
☐ Have student and instructor reach out to each other
□ Introductions
Any prerequisite reading or documents
☐ Reference Reading Appendix
☐ Have student look at NWFS website
□ SOP's
☐ How to become a pilot document
☐ Ground school schedule and syllabus
☐ Emphasize having this completed before flight training begins
☐ Rentals
☐ How much does it cost
☐ Rate sheet
 Have student bring in documentation
□ Passport or birth certificate
☐ Medical
☐ Pilot certificate
☐ HIGHLY RECOMMENDED Have the instrument ground course
and written exam completed or be halfway through a ground
course
On day of first meeting
☐ Scan in documents
☐ Go over flight schedule pro
□ Discuss course expectations
Have the written completed OR be at least halfway through a
ground course OR complete together preliminary ground instruction
before introduction the SIM tasks

Reading Appendix

ACS (Airman Certification Standards)

The ACS document provides information on aeronautical knowledge, risk management and flight proficiency standards for all students, instructors and DPEs.

PHAK (Pilot's Handbook of Aeronautical Knowledge)

Low Enroute Charts

Instrument flight charts, like the sectional, but for IFR operations

TPP (Terminal Procedure Publications)

The TPPs contain Instrument Approach Procedure charts (IAP), Departure Procedure charts (DP), Standard Terminal Arrival charts (STAR), CVFP and Airport Diagrams (AD). Also included are Takeoff, Radar, and Alternate Minima textual procedures

IFH (Instrument Flying Handbook)

In addition to knowing everything in the PHAK, this book expands on the knowledge required for instrument flying written in the same format

IPH (Instrument Procedures Handbook)

The detailed components of IFR flight planning and the procedures used to fly IMC

<u>AFH</u> (Airplane Flying Handbook)

The AFH provides detailed knowledge on airplane piloting skills. It lists how to perform all required maneuvers and includes procedures to transition to different aircraft.

POH (Pilot Operating Handbook)

The POH provides information on all aircraft operations, limitations, emergencies, weight and balance, performance, and airplane description about the aircraft

FAR/AIM (Federal Aviation Regulations/Aeronautical information manual)

The FAR/AIM provides information on all regulations of aircraft such as how to get a license, how to lose your license, commercial operations, etc. This book goes very in depth with all kinds of knowledge.

<u>TERPS</u> (United States Standard for Terminal Instrument Procedures and Order 8260.3D)

This order prescribes standardized methods for designing and evaluating instrument flight procedures

AVIATION WEATHER

Aviation Weather is a comprehensive resource for everything that pilots, students, and instructors need to know about navigating all types of weather safely

AVIATION WEATHER SERVICES

This book provides interpretation and usage of U.S weather products and services to plan safe and efficient flights

Stage 1 Ground Topic Overview

Instrument Foundations

Prerequisite study: Review all knowledge areas from Private Pilot ACS. Read the Instrument Rating ACS. If student has completed the written test or is at least halfway through a ground course, you can proceed to SIM lesson 1. If student has not completed those tasks, consider doing multiple ground lessons first and tab out the FAR/AIM and go over the entire IFH emphasis on highlighting the glossary terms as well as completing Ground Overview Lesson Stage 1 first. **Objective:** To introduce knowledge on the basic foundations of instrument flying. To include private pilot knowledge review, These should be discussed throughout stage 1 where practical.

Pilots Handbook of Aeronautical Knowledge	
☐ Everything	Pilot Operating Handbook
☐ Types of altitude	Limitations
Types of airspeed	☐ Airspeeds
☐ Instruments	☐ Weights
Scanning techniques	☐ Take off, Landing, Climb, Cruise
☐ T scan	Operations
Hub and spoke	Emergency in flight engine failure
Rectangle	☐ Go Around Procedures
☐ Errors	Weight and balance
☐ Fixation	☐ Performance charts
Omission	☐ Airplane description
☐ Emphasis	
	FAR/AIM
<u>TPP</u>	☐ Go over the Instrument study guide
☐ Airport diagrams	and tab out the sections for
□ Departure Procedures	discussion
□ IAP plates	☐ PAVE
☐ STARs	☐ IFR requirements
Legend	□ VORs/DME/TACAN
	☐ GPS/RAIM/WAAS
<u>Airplane Flying Handbook</u>	☐ ILS
Review necessary procedures	☐ Weather
☐ Chapter 4: Energy Management:	☐ (§91.177, Pilot/Controller
Mastering Altitude and Airspeed	Glossary)
Control	☐ Etc.
Instrument Flying Handbook	<u>TERPS</u>
All Chapters	☐ Introduction and how to use
<u>Instrument Procedures Handbook</u>	
☐ Glossary	

Stage 1 Lesson 1: Sim and Ground

Intro SIM, PAVE, Flight Instruments, Scan Techniques, Timed Turns

BATD/AATD

Prerequisite study: Reference assigned reading from stage 1 ground topic overview. Watch ERAU timed compass turns and scanning techniques videos.

Objective: To introduce and demonstrate the basic fundamentals of instrument flying. To get comfortable referencing instruments for the four fundamentals including timed turns.

Knowledge Areas	☐ After take off checklist		
Scanning Techniques PAVE Flight Instruments Operation Timed turns math Sim Tasks How to turn on SIM and set it up Plane model Instrument stack Location and time Introduction to flight controls Introduction to instruments Checklist Engine start Setting up and understanding comms Setting up and understanding GPS Run up checklist	CAPS available Four fundamentals Introduction to cruise checklist Introduction to Autopilot Timed Turns Starting the timer and noting standard rate turns to 45/90/180/225/270/315/360 degrees from different headings Going back to the airport Descent checklist Vectors to airport Make weather vfr coming into land Landing Before landing checklist VASI/PAPI Flare		
Take offTake off clearance with a heading and altitude			
Completion standards: Student was able to becuse the sim to learn basic maneuvers. Student untransition of VMC flying scanning techniques to I	nderstands the foundational blocks to the		
Date Completed			
Overall Grade: Excellent Good Fair Needs Impro	vement		

Name/Signature	_
Notes:	

Stage 1 Lesson 2: Sim and Ground

Sim: Patterns, Preflight Inspection

BATD/AATD

Prerequisite study: Reference assigned reading from stage 1 ground topic overview VORs and GPS construction. Review the power profiles worksheet. Review the Jeppesen patterns in the IFR handouts

Objective: To practice preflight and run up procedures including VOR checks. To demonstrate and create a power profile sheet for descent rates to achieve specific airspeeds and fpm.

Knowledge Areas VOR FARS Discussion on Instrument Checks Briefing the Patterns Paper Power Settings List for Descents Sim Tasks Checklist Start up Run Up Taxiing VOR Check Instrument Check While Taxiing	□ Take Off □ Take off clearance with a heading and altitude □ CAPS available □ Jeppesen Patterns A-E □ Vectors to headings □ Cruise checklist □ Completion of all patterns □ Landings □ Descent checklist □ Aiming for airspeeds and noting the power settings to achieve the proper approach speeds
Completion standards: Student was able to becompleted is able to understand VOR construction, to headings. Student combined previous knowled patterns in the appendix. Student is beginning to descent rates and airspeeds.	beginning VOR check procedures, and vectors dge of timed turns to begin completing the
Date Completed	
Overall Grade: Excellent Good Fair Needs Impro	vement
Name/Signature	
Notes:	

Stage 1 Lesson 3: Sim and Ground SIM: Patterns, Systems

BATD/AATD

Prerequisite study: Reference assigned reading from stage 1 ground topic overview for systems and instrument knowledge. Watch ERAU or Cirrus Approach system and instrument videos. **Objective:** To demonstrate knowledge on the systems for the aircraft to be flown. To continue to finish the patterns and become familiar with the checklists for the aircraft. Do an aircraft walk around if the student is unfamiliar with the plane.

 VOR Check Instrument Check While Taxiing CAPS available Jeppesen Patterns F-J Vectors to headings Cruise checklist Completion of all patterns Landings Descent checklist Aiming for airspeeds and noting the power settings to achieve the proper approach speeds
nonstrate knowledge on system and instrument ge. Student was able to complete the patterns. eded.
vement

Stage 1 Lesson 4: Sim and Ground

SIM: Pilotedge; building blocks of IFR flight

BATD/AATD

Prerequisite study: Reference assigned reading from stage 1 ground topic overview VORs, GNSS, IFR clearances, Departure Procedures, and Approaches. King Schools youtube videos OR complete the Cirrus Instrument Flight Procedures Course. **Read each Pilotedge page and watch attached video before each lesson.**

Objective: To create a foundational understanding of IFR flight composition. To be able to feel confident in flying VORs, GPS waypoints and beginner Instrument approaches before getting into the plane. To learn the IFR radio verbiage.

 Knowledge Areas VOR construction GNSS operation IFR clearances Departure Procedure Construction and Plates ODP vs SID 	Sim Tasks How to log onto PilotEdge Complete each 1-Rating (1-8) with and without logging onto Pilotedge Brief plan before logging on Use of proper checklists Checking VOR availability
Approach Construction and Plates Precision Non- Precision STARs	Using bearing pointers Loading in frequencies Loading in flight plan Hand flying and Autopilot usage
Completion standards: Student was able to satisf instructors discretion.	actorily complete pilotedge ratings 1-8 to
Date Completed	
Overall Grade: Excellent Good Fair Needs Improv	vement
Name/Signature	
Notes:	

Stage 1 Lesson 5: Flight

First Flight: Standard Rate Turns, Stalls, Steep Turns, Slow FLight

Prerequisite study: Reference assigned reading from stage 1 ground topic overview for assigned reading. Review private pilot maneuvers.

Objective: To introduce private pilot maneuvers under the hood. Correlating previous sims muscle memory for checklist usage, autopilot usage and power profiles to flight with view limiting device.

Knowledge Areas Review Private Pilot Maneuvers in AFH POH for airspeeds	Optional Autopilot Cruise Checklist Maneuvers: to be done under the hood
Flight Tasks Checklists Engine start VOR check practice Instrument check Run up Climb Cruise Take off Optional practice departure CAPS available Climb checklist Hood	☐ Timed turns/patterns- optional ☐ Slow flight ☐ Stalls ☐ Steep turns ☐ Descent rate and power profiles ☐ Vertical patterns ☐ Vectors back to airport ☐ Descent checklist ☐ Remove hood on final or at missed
Completion standards: Student was able to commaneuvers to ACS standards with the use of a vice checklist usage.	
Date Completed Overall Grade: Excellent Good Fair Needs Improv Name/Signature	
Notes:	

Stage 1 Lesson 6:Flight

Private Maneuvers, Unusual Attitudes, Emergency Procedures

Prerequisite study: Reference assigned reading from stage 1 ground topic overview for Private Pilot Maneuvers and Maintaining Aircraft Control: Upset Prevention and Recovery Training in AFH. Review the emergency procedures and abnormal operations in the POH.

Objective: To introduce and demonstrate recovery from unusual attitudes with view limiting device. To introduce the differences and challenges to handling emergencies in simulated IMC conditions.

Knowledge Areas Review Private Pilot Maneuvers and Maintaining Aircraft Control: Upset Prevention and Recovery Training in AFH POH for airspeeds Flight Tasks Checklists Engine start VOR check practice Instrument check Run up Climb Cruise Take off Optional practice departure CAPS available Optional Autopilot	Maneuvers: to be done under the hood Slow flight Stalls Steep turns Descent rate and power profiles Unusual Attitudes Emergency Procedures:IFR considerations Fires Gauges Electrical Abnormal Annunciations Vectors back to airport Descent checklist Remove hood on final or at missed approach point
Completion standards: Student was able to comprivate pilot maneuvers to ACS standards with the able to recover from unusual attitudes with view assessing proper ADM skills to correct for emerge proper checklist usage.	ne use of a view limiting device. Student was limiting device. Student was able to practice

Overall Grade: Excellent Good Fair Needs Improvement

Date Completed

Name/Signature	
Notes:	

Stage 1 Lesson 7: Flight

VOR: Intercepting and Tracking Courses, GPS Waypoints, DME ARC intro

Prerequisite study: Reference assigned reading from stage 1 ground topic overview VOR, GPS and **DME** construction. Read and watch material for DME ARCs

Objective: To introduce and demonstrate the building blocks of IFR flight plan construction. To load and follow GPS waypoints simultaneously with GPS waypoints. To understand the use and reason for DME ARCs. To practice tracking a navigation aide and maintaining a specified distance around the point.

Knowledge Areas	☐ Take off
_	Practice departure
Low IFR Enroute Chart	☐ CAPS available
□ VORs	Optional autopilot
☐ GNSS	EXAMPLE
□ DME Arcs	Intercept Victor airway via vectors
Bearing pointer	
☐ Turn 10 twist 10	☐ Practice a full 360 and 90 degree
Flight Tasks	DME Arc around COE VOR
☐ Checklists	☐ Optional touch and go
Engine start	landing
☐ VOR check practice	☐ GPS waypoints to KDEW
Instrument check	☐ Reference low enroute chart
Run up	waypoints
Climb	Practice a full 360 and 90 degree
Cruise	DME Arc around KDEW
	track and intercept a Victor airway or radial off of
•	s able to perform a VOR DME ARC. Student was able
* *	en route chart and DME ARC around a specified GPS
•	k inbound to final for a landing at an airport via VOR
radial or GPS waypoints.	
Date Completed	
Overall Grade: Excellent Good Fair Needs In	nprovement
N. (6)	
Name/Signature	
Notes:	
141 HEZ	

Stage 1 Lesson 8: Flight

Departure, Vectors to Final, Precision Approach, Full Stop or Missed Approach

Prerequisite study: Reference assigned reading from stage 1 ground topic overview Departure Procedures, Precision Approaches, Missed Approaches. **Watch the Cirrus Instrument Flight Procedures Course or Sporty's Instrument Proficiency Check Course**

Objective: To introduce and demonstrate the application of precision approach IFR flight from start to finish in a practice environment. Applying skills learned from the pilot edge course to the airplane. **Can be combined with a missed approach to complete lesson 9 simultaneously. To be repeated as necessary**

Knowledge Areas	Request full practice ILS
□ Departure Procedures	Request vectors or simulate
Approaches: Precision	vectors
☐ Missed Approach Procedures	Optional autopilot
Flight Tasks	☐ Cruise
☐ Checklists	Locate destination
☐ Engine start	Listen to weather
☐ VOR check practice	☐ Brief approach
☐ Instrument check	Request practice approach
☐ Run up	□ Descent
Climb	☐ Follow GS
☐ Cruise	Proper power settings
☐ Pre Taxi	Call out locations, altitudes,
☐ Set up comms	distances
Set up navigation equipment	☐ Go visual at missed and full
☐ Receive a practice CRAFT	stop land, touch and go, or
☐ Take off	perform missed approach
Departure procedure	procedure
Climb	
☐ CAPS available	

Completion standards: Student was able to become familiar and execute a practice IFR flight with a departure procedure, request and follow vectors either from CFI or ATC, and complete a precision approach. Student was able to load the approach, locate, listen, and brief the approach. Optional combination with lesson 9 with a missed approach procedure to complete both a precision and non precision approach on the same flight.

Da	te (Comp	lete	ed	

Overall Grade: Excellent Good Fair Needs Improvement

Name/Signature	
Notes:	

Stage 1 Lesson 9: Flight

Departure, Full Non-Precision Approach, Full Stop or Missed Approach

Prerequisite study: Reference assigned reading from stage 1 ground topic overview Departure Procedures, Precision Approaches, Missed Approaches. **Watch the Cirrus Instrument Flight Procedures Course or Sporty's Instrument Proficiency Check Course**

Objective: To introduce and demonstrate the application of non-precision approach IFR flight from start to finish in a practice environment. Applying skills learned from the pilot edge course to the airplane. **Can be combined with Lesson 8. To be repeated as necessary**

Knowledge Areas Departure Procedures Approaches: Non-Precision Missed Approach Procedures Flight Tasks Checklists Engine start VOR check practice Instrument check Run up Climb Cruise Pre Taxi Set up comms Set up navigation equipment Receive a practice CRAFT Take off Departure procedure CAPS available Climb	Request full practice Precision, Non Precision or APV approach Vectors or own navigation Optional autopilot Cruise Locate destination Listen to weather Brief approach Request practice approach Pescent Follow step down altitudes Proper power settings Call out locations, altitudes, distances Go visual at missed and full stop land, touch and go, or perform missed approach procedure		
Completion standards: Student was able to become familiar and execute a practice IFR flight with a departure procedure, request and follow vectors either from CFI or ATC, and complete a precision approach. Student was able to load the approach, locate, listen, and brief the approach. Optional combination with lesson 8 with a missed approach procedure to complete both a precision and non precision approach on the same flight. Date Completed			

Overall Grade: Excellent Good Fair Needs Improvement

Name/Signature	
Notes:	

Stage 1 Stage Check

To Be Completed With Another Instructor

Prerequisite study: Reference assigned reading from stage 1 ground topic overview. Watch the Cirrus Instrument Flight Procedures Course or Sporty's Instrument Proficiency Check Course **Objective:** To demonstrate knowledge on the basic foundations of IFR flight construction to include IFR FARs relating to PAVE, terms and definitions pertaining to Instrument Departure and Approach diagrams, systems and instruments and aircraft performance.

Knowledge Areas Departure procedure CAPS available Terms and Definitions from IFH Glossary Request vectors to final
☐ Terms and Definitions from IFH ☐ Climb
Glossary Request vectors to final
☐ How to read a Departure Plate ☐ Optional autopilot
☐ How to read an Approach Plate☐ Cruise
☐ Precision ☐ Locate, Listen, Brief,
■ Non precision Communicate
☐ Systems ☐ Brief approach
☐ Instruments ☐ Descent
☐ PAVE ☐ Follow step down altitudes
☐ Aircraft Performance ☐ Proper power settings
□ W+B □ Call out locations, altitudes,
Profiles distances
☐ Go visual at missed
Flight Tasks
☐ Checklists ☐ Maneuvers- all or some
☐ Engine start ☐ Power On Stall
☐ VOR check practice ☐ Power Off Stall
☐ Instrument check ☐ Steep Turns
Run up Slow Flight
☐ Climb ☐ Unusual Attitudes
☐ Cruise ☐ Emergency Procedures
☐ Pre Taxi
☐ Set up comms ☐
Set up navigation equipment
Receive a practice CRAFT
☐ Take off

Completion standards: Student completes all chosen maneuvers within ACS standards. Student was able to properly execute assigned practice IFR flight procedures. Student demonstrated their ADM skills to assess emergency situations in IMC flight. Student demonstrated their knowledge to the evaluator and was deemed proficient in all areas.

Date Completed	
Overall Grade: Excellent Good Fair Needs Improvement	
Name/Signature	
Notes:	

Stage 2 Ground Topic Overview DEPARTURE, ENROUTE, ARRIVAL, EMERGENCIES, ABNORMALITIES

Prerequisite study: Have completed the Cirrus Approach instrument flight procedures course. Sporty's Instrument Proficiency Check course could be a substitute as well. Have completed stage 1 ground overview.

Objective: To take our instrument foundations and build an instrument flight plan from the ground up. Ground study is aimed at building a working and applicable knowledge to the charts and procedures found in the TERPS, TPP, IFH, and IPH. This section will also go deeper into the already tabbed out FAR/AIM from stage 1.

TPP	□ VOR checks□ Alternates		
☐ Airport diagrams	☐ Fuel		
	☐ IFR altitudes		
☐ Departure Procedures			
☐ IAP plates	Cruising		
☐ STARs	□ DA/H		
☐ Legend	□ MAA		
	☐ MCA		
Instrument Flying Handbook	☐ MDA/H		
Weather	☐ MEA		
Aeromedical Factors	☐ MOCA		
Spacial disorientation (PHAK)	☐ MORA		
☐ Airspace	☐ MRA		
Oxygen	☐ MSA		
Air traffic control	☐ MTA		
☐ IFR flight	☐ MVA		
Emergency Operations	☐ OROCA		
	☐ VOR service volumes		
Instrument Procedures Handbook	☐ DME		
☐ Glossary	□ NDB		
	☐ GPS		
FAR/AIM/IPH/IFH	☐ RAIM		
Review in depth your tabs	☐ WAAS		
□ Definitions review (§91.177,	☐ RNAV		
Pilot/Controller Glossary)	☐ PBN		
☐ Logging time	☐ RNP		
Recency	☐ Clearances		
☐ 66HIT	☐ ATC procedures		
Aeronautical knowledge and	☐ ILS construction		
experience	Localizer		
☐ PAVE	Glide slope		
☐ GRABCARD	☐ Marker beacons		

☐ ALS	<u>TERPS</u>
☐ Mandatory Reports	Departure procedures
Position Reports in non-radar	☐ Enroute
☐ Holding procedures 5-3-8	☐ Holding
☐ Lost Comms	Approaches
Altitude	☐ STARs
☐ Route	☐ Circling
Leaving a clearance	
limit	

Stage 2 Lesson 1: Sim and Ground Sim: Holds, DME ARCs

BATD/AATD

Prerequisite study: Reference assigned reading from ground overview stage 2. **Complete holds worksheet located in the appendix.** Review DME construction and watch Sporty's or Cirrus Instrument course on holds and DME ARCs

Objective: To introduce and demonstrate holding to review DME ARC construction. To introduce the second construction is introduced by the second construction.	ng procedures both unpublished and published. nold building in Cirrus
Knowledge Areas Holds worksheet Published vs unpublished holds Plates Low Enroute Charts DME ARC review DME construction VOR construction GPS construction Plates Sim Tasks	Proper checklist usage Flying a DME Arc from various approaches Also around VORs and waypoints Receiving, copying, understanding holding instructions Executing various holds with different entries Published Unpublished Cirrus: build a hold Optional autopilot
Completion standards: Student was able to coreffectively have a discussion on different kinds of Student was able to discuss DME ARCs and their and demonstrate holds and ARCs in the sim.	
Date Completed	
Overall Grade: Excellent Good Fair Needs Impro	ovement
Name/Signature	
Notes:	

Stage 2 Lesson 2: Sim and Ground Pilot Edge BATD/AATD

Prerequisite study: Reference I-Ratings 10 and 11 information pages. Completion of holds
vorksheet
Objective: To complete the I-ratings for better knowledge comprehension of all parts of an
nstrument flight plan
Knowledge Areas
Stage 1 stage check
☐ Stage 2 Sim lesson 1
PilotEdge lesson 10 and 11 information pages Sim Tasks
_
☐ Set up for flight☐ Comms
☐ Navigation
☐ Brief the plan
☐ Log onto Pilotedge
Execute I-ratings 10 and 11
Excepte Framings to drid th
Completion standards: Student was able to complete I-ratings 10 and 11 to instructor completion
discretion.
Date Completed
Overall Grade: Excellent Good Fair Needs Improvement
Name/Signature
Notes:

Stage 2 Lesson 3: Flight	
<u>Holds</u>	

Prerequisite study: Reference assigned reading from stage 2 ground review. Completion of Stage 2 lesson 1.

Objective: To demonstrate holds in the airplane. This lesson is encouraged to have an emphasis on unpublished holds first. The use of holding on waypoints and VOR radials both hand flying and with autopilot. To practice hold building in Cirrus

Knowledge Areas	CAPS available
	Climb
☐ Holding handout	☐ Checklist
□ Discussion on local published holds	☐ Go to practice area
to be performed	☐ Cruise
Unpublished holds discussion	☐ Lean
	Perform various holds
Flight Tasks	Unpublished
☐ Checklists	☐ Cirrus: build a hold
☐ Engine start	Optional autopilot
☐ VOR check practice	□ Descent
☐ Instrument check	Descent and before landing
Run up	checklist
Climb	Request practice ILS to return
☐ Cruise	Time permitting
☐ Pre Taxi	☐ Follow GS
☐ Set up comms	Proper power settings
Set up navigation equipment	Call out locations,
☐ Engine start	altitudes, distances
☐ VOR check practice	Vectors to intercept Localizer
☐ Taxiing- instrument check	☐ Go visual at missed
☐ Run up	approach
☐ Take off	☐ Land
☐ Take off	
☐ Practice departure	
procedure	

Overall Grade: Excellent Good Fair Needs Improvement

Date Completed___

Name/Signature	
Notes:	

Stage 2 Lesson 4: Flight	
Holds, DME ARCs, Procedure Turns	

Prerequisite study: Reference assigned reading from stage 2 ground review. Completion of Stage 2 lesson 1.

Objective: To demonstrate holds, DME ARCs, and procedure turns in the airplane. This lesson is encouraged to have an emphasis on published holds, practicing procedure turns from VOR radials and waypoints, and DME ARCs from VOR radials and GPS waypoints. Usage of both hand flying and autopilot.

Knowledge Areas	☐ Checklist
	☐ Go to practice area
☐ Holding handout	Autopilot optional
Discussion on local published holds	Cruise
to be performed	☐ Lean
Unpublished holds discussion	☐ Perform various holds
	☐ Published
Flight Tasks	☐ Unpublished
☐ Checklists	☐ Cirrus: build a hold
Engine start	□ DME ARC practice
☐ VOR check practice	from VORs
☐ Instrument check	☐ Procedure Turn
Run up	Practice from GPS
Climb	waypoints and VORs
Cruise	Descent
☐ Pre Taxi	Descent and before landing
Set up comms	checklist
Set up navigation equipment	Request practice ILS to return
☐ Engine start	☐ Time permitting
☐ VOR check practice	Follow GS
☐ Taxiing- instrument check	Proper power settings
☐ Run up ☐ Take off	☐ Call out locations, altitudes, distances
☐ Take off	☐ Vectors to intercept Localizer
Practice departure	Go visual at missed
procedure	approach
☐ CAPS available	Land
☐ CAI 3 d validable	

Date Completed_____ Overall Grade: Excellent Good Fair Needs Improvement Name/Signature_____ Notes:

Completion standards: Student was able to demonstrate holds, DME ARCs and procedure turns

to ACS standards.

Stage 2 Lesson 5: Flight XC Practice

Prerequisite study: Reference assigned reading from stage 2 ground topic overview. Watch the Cirrus and/or Sporty's Instrument Procedures courses.

Objective: To put the building blocks together by flying local cross countries. These are intended to include multiple approaches and missed approach procedures with enough time for briefing and discussion along the route.

REPEAT AS NECESSARY

Knowledge Areas	☐ Climb
	☐ Checklist
□ Departure Procedures	Autopilot optional
Approach Procedures	☐ Cruise
☐ Holds, DME ARCs	☐ Lean
☐ ATC clearances	Locate, Listen, Brief,
☐ IFR flight plan filing	Communicate
	☐ Circling-optional
Flight Tasks	Perform a Precision
☐ Checklists	approach
Engine start	☐ Vectors to final
VOR check practice	☐ Missed Approach
Instrument check	Perform a non precision
Run up	approach
Climb	☐ Full approach
Cruise	Missed approach
☐ Pre Taxi	Perform an approach into
Set up comms	Felts
Set up navigation equipment	
Engine start	☐ Descent
☐ VOR check practice	Descent checklist
Open flight plan or practice	☐ Follow GS or Step downs
CRAFT	Proper power settings
Taxiing- instrument check	Call out locations, altitudes,
Run up	distances
☐ Take off	Go visual at missed and full
☐ Take off	stop land, touch and go, or
☐ Departure procedure☐ CAPS available	perform missed approach procedure
☐ CAF3 dvaliable	procedure

Completion standards: Student was able to discuss departure and approach procedures pertaining to this flight. Student was able to fly local IFR approaches to ACS standards.

Date Completed
Overall Grade: Excellent Good Fair Needs Improvement
Name/Signature
Notes:

Stage 2 Lesson 6: Flight

IFR XC Practice with Emergencies

Prerequisite study: Reference assigned reading from stage 2 ground topic overview. Watch the Cirrus and Sporty's Instrument Procedures courses. **Review how to create and file an IFR flight plan. Review aircraft emergencies in the POH.**

Objective: To practice creating and filing an IFR flight plan to be executed. To review how to assess lost comms, emergency and abnormal operations during an IFR flight and the different risks involved.

REPEAT AS NECESSARY

Knowledge Areas	☐ Checklist
	☐ Autopilot optional
Departure Procedures	☐ Cruise
Approach Procedures	Lean
☐ Holds, DME ARCs	Locate, Listen, Brief,
☐ Circling Approach	Communicate
☐ Lost Comms	☐ Emergencies
☐ Emergencies	☐ Lost comms
☐ File IFR Flight Plan	☐ Engine failure
	☐ Engine fire
Flight Tasks	☐ Electrical fire
☐ Checklists	☐ Low oil psi/ high oil
Engine start	temp
VOR check practice	☐ Low voltage light
Instrument check	☐ Alternator 1 and/or 2
Run up	failure
Climb	Loss of pitot heat in
Cruise	icing conditions
☐ Pre Taxi	PFD, MFD, HSI failure
Set up comms	☐ Precision and Non Precision
Set up navigation equipment	Approaches
☐ Engine start	☐ Missed Approach
☐ VOR check practice	☐ Circling-optional
CRAFT Clearance	Descent
☐ Taxiing- instrument check	Descent checklist
Run up	Follow GS or step downs
☐ Take off	Proper power settings
☐ Take off	Call out locations, altitudes,
Departure procedure	distances
CAPS available	Go visual at missed and full
☐ Climb	stop land, touch and go, or

perform missed approach procedure

and abnormal procedures. Date Completed_____ Overall Grade: Excellent Good Fair Needs Improvement Name/Signature_____ Notes:

Completion standards: Student was able to plan, file and execute an IFR flight to ACS standards. Student was able to perform ADM skills for IMC emergency procedures including lost comms

Stage 2 Stage Check

To Be Done with Another Instructor

Prerequisite study: Reference stage 2 ground overview topics. Complete Cirrus or Sporty's videos for review.

Objective: To evaluate the student's ability and comprehension on building, filing, and effectively executing an IFR flight plan. To demonstrate ADM skills in regards to IMC flight emergencies.

Knowledge Areas	Departure procedure
	□ CAPS available
□ Departure Procedures	Climb
Approach Procedures	☐ Checklist
☐ Holds, DME ARCs	Autopilot optional
☐ Lost Comms	☐ Cruise
☐ Emergency Engine Failure discussion	☐ Lean
Abnormal and emergency	Locate, Listen, Brief,
discussion	Communicate
☐ File IFR Flight Plan	Emergencies
Flight Tasks	
☐ Checklists	
Engine start	Precision Approach
VOR check practice	Non Precision Approach
Instrument check	APV Approach
Run up	☐ Circling
Climb	Straight in Approach
Cruise	Descent checklist
☐ Pre Taxi	☐ Follow GS or step
Set up comms	downs
Set up navigation equipment	☐ Proper power settings
☐ Engine start	☐ Call out locations,
☐ VOR check practice	altitudes, distances
CRAFT Clearance	Go visual at missed
☐ Taxiing- instrument check	and full stop land,
Run up	touch and go, or
☐ Take off	perform missed
☐ Take off	approach procedure

Completion standards: Student was able to plan, file and execute an IFR flight to ACS standards. Student was able to perform ADM skills for IMC emergency procedures including lost comms

and abnormal procedures. Student performed a circling approach and recovery from unusual attitudes. Autopilot and hand flown should be demonstrated

Date Completed
Overall Grade: Excellent Good Fair Needs Improvement
Name/Signature
Notes:

Stage 3 Lesson 1: Flight	
Intro to Partial Panel Approaches	

Prerequisite study: Reference assigned reading. Review avionics failure Cirrus Approach videos, iFOM, and applicable POH.

Objective: To become familiar with flying instrument approaches relying on reduced instrument access.

Knowledge Areas	☐ Take off
	Practice departure
Departure Procedures	procedure
Approach Procedures	□ CAPS available
☐ Holds, DME ARCs	☐ Climb
	☐ Checklist
Flight Tasks	☐ Cruise
☐ Checklists	☐ Lean
Engine start	Practice receiving vectors
VOR check practice	with partial panel
Instrument check	Locate, Listen, Brief,
Run up	Communicate
Climb	Perform a precision, non
Cruise	precision or APV approach
Pre Taxi	with partial panel
Set up comms	Full approach
Set up navigation equipment	Missed approach
Engine start	Perform an approach into
☐ VOR check practice	Felts
☐ CRAFT practice	Land
Taxiing- instrument check	Descent
Run up	☐ Descent checklist
☐ Take off	
Completion standards: Student was able to asso	es the rick and management of partial panel
Completion standards: Student was able to asse instrument flying. Student was able to complete	
reference to back up instruments. Autopilot optic	
reference to back op instruments. Autopilot optil	ondi

Date Completed_____

Stage 3 Lesson 2: Flight	
<u>Partial Panel, Local Approaches</u>	

Prerequisite study: Reference assigned reading from stage 1 and 2 ground topic overview. Watch Sporty's or Cirrus Instrument videos

Objective: To practice local approaches in quick succession with **partial panel** use of instruments to learn how to quickly divert attention to back up instruments and multi-task with limited systems.

Knowledge Areas	CAPS available
	☐ Climb
Departure Procedures	☐ Checklist
Approach Procedures	Autopilot optional
☐ Holds, DME ARCs	□ Cruise
	☐ Lean
Flight Tasks	\square Navigating with partial panel
☐ Checklists	Locate, Listen, Brief,
Engine start	Communicate
☐ VOR check practice	Perform a Precision, non
Instrument check	precision or APV approach
☐ Run up	circuit with partial panel
Climb	Vectors to final
☐ Cruise	☐ Missed Approach
☐ Pre Taxi	Perform a non precision
Set up comms	approach partial panel
Set up navigation equipment	Full approach
Engine start	Missed approach
VOR check practice	Perform an approach into
Local IFR request	Felts
Taxiing- instrument check	☐ Land
Run up	Descent
□ Take off	Descent checklist
☐ Take off	
Practice departure	
procedure	

Completion standards: Student was able to assess the risk and management of partial panel instrument flying. Student was able to complete various approaches with a partial panel and reference to back up instruments to ACS standards. To be completed with and without autopilot

Date Completed
Overall Grade: Excellent Good Fair Needs Improvement
Name/Signature
Notes:

Stage 3 Lesson 3: Flight	
250 NM IFR XC	

Prerequisite study: Reference assigned reading from stage 1 and 2 ground topic overview and watch the Cirrus or Sporty's Instrument courses.

Objective: To plan, file, and execute the long IFR cross country. To include as many different iterations of IFR flight possibilities, to incorporate scenario based problem solving along the route.

Knowledge Areas	Run up
	☐ Take off
☐ Departure Procedures	☐ Take off
Approach Procedures	Departure procedure
☐ Holds, DME ARCs	CAPS available
☐ Emergencies	Climb
Unusual attitudes	☐ Checklist
☐ Circling approaches	☐ Hood
Filing a flight plan	☐ Cruise
	☐ Lean
Flight Tasks	Locate, Listen, Brief,
File a flight plan-optional	Communicate
☐ Checklists	Perform a Precision, Non
☐ Engine start	Precision, and APV Approach
☐ VOR check practice	☐ Holds, DME ARCs
☐ Instrument check	☐ Circling
Run up	Missed Approach
☐ Climb	Partial Panel
☐ Cruise	Emergency Practice
☐ Pre Taxi	Unusual Attitudes
☐ Set up comms	Descent
Set up navigation equipment	Descent checklist
Engine start	
☐ VOR check practice	
☐ Taxiing- instrument check	
Completion standards: Student was able to execu	
procedures, emergencies, and abnormal flight op	perations both with and without autopilot to
ACS standards.	
Date Completed	

Overall Grade: Excellent Good Fair Needs Improvement

Name/Signature	
Notes:	

Stage 3 Lesson 4: Ground

Checkride Preparation

Prerequisite study: Reference previous ground topic overviews, the acs, and online Sporty's or Cirrus Approach Instrument course

Objective: To demonstrate proficient knowledge on all ACS topics. Have the instructor assign a flight plan guideline for discussion and flight.

Consula da a Augus	
(nowledge Areas ☐ Flight instruments	☐ MRA
Steam	☐ MSA
☐ Glass	□ MIA
☐ Magnetic	□ MVA
Navigation equipment function and	OROCA
their errors	☐ Definitions of night
□ VOR	
□ DME	
☐ GPS	☐ Lights
☐ Aeromedical factors	Oxygen
Regulations	☐ Publications
Pilot qualifications	TERPS
☐ Currency	☐ TPP
☐ Airworthiness	□ IFH
□ AV1ATES	☐ AFH
☐ ARROW	☐ PHAK
ATOMATOFLAMES	☐ FAR/AIM
FLAPS	☐ POH
☐ GRABCARD	☐ ACS
Preflight action	Low Enroute Charts
☐ IFR weather minimums	☐ Weather theory
Alternates	☐ Weather services
Landing requirements	Cross country flight planning
91.175	☐ Filing
☐ IFR altitudes	☐ VFR airspace and weather
Cruising	minimums
☐ DA/H	Lost Comms
☐ MAA	Altitude
☐ MCA	Route
□ MDA/H	Lost Procedures and Emergency
☐ MEA	Codes
☐ MOCA	☐ Clearances
	IIIKAFI

Clearance void time	□ VOR	
□ Departure Procedures	☐ RNAV	
☐ ODP	☐ GPS	
☐ SID	☐ WAAS	
☐ Climb gradient vs rate	☐ RAIM	
■ Minimums	☐ LPV	
□ DP plate	☐ LNAV/VNAV	
Approach and STAR Procedures	LNAV	
☐ Contact vs Visual	□ +V	
Segments of an approach	☐ RNP	
☐ IAF/IF/FAF	☐ Missed Approach Procedures	
☐ DA/DH/MDA	☐ Circling Procedures	
☐ VDP	☐ Reporting Points- radar and	
☐ MAP non radar		
Approach Categories	☐ Holds	
☐ Precision	Published	
	☐ Unpublished	
	□ Entries	
☐ Glide slope	☐ Speed limits	
☐ Marker	☐ Timing vs DME	
beacons	☐ Correcting for wind	
☐ ALS	☐ DME ARCs	
☐ PAR	☐ Procedure Turns	
☐ Non Precision and APV		
Completion standards: Student was able to deminstrument ground topics to standards.	nonstrate proficient knowledge on all ACS	
Date Completed		
Overall Grade: Excellent Good Fair Needs Impro	vement	
Name/Signature		
Notes:		

Stage 3 Lesson 5: Flight Checkride Preparation

Prerequisite study: Reference previous ground topic overviews and online Sporty's or Cirrus Approach Instrument course.

Objective: To demonstrate proficient flight skills to be endorsed for the Instrument Practical Test. This flight should simulate the checkride to include multiple approaches in quick succession to utilize time to task ratio efficiently

owledge Tasks	☐ CAPS available
☐ Completion of ground portion of End	Climb
of Course	☐ Checklist
	☐ Cruise
reflight Tasks	☐ Checklist
Proper flight plan filing	Intercepting and Tracking
Proper demonstration of PAVE	VOR/GPS
	☐ Holds
light Tasks	☐ Published
☐ Checklists	☐ Unpublished
Engine start	☐ Build a ho
Instrument check	☐ DME ARC
Run up	☐ Lost Comms
Climb	☐ Engine failure
☐ Cruise	Recovery from unusual
☐ Pre Taxi	attitudes
Set up comms	Descent
Set up navigation equipment	☐ Checklist
Engine start	☐ Non Precision Approach
☐ VOR check	☐ Precision Approach
KRAFT Clearance	☐ Missed Approach
Taxiing- instrument check	☐ Circling Approach
Run up	Straight in Approach
Take off	Partial Panel
☐ Take off	
Departure Procedure	

Overall Grade: Excellent Good Fair Needs Improvement	
Name/Signature	
Notes:	

Stage 3 Lesson 6: Ground Mock Checkride

Prerequisite study: Reference previous ground topic overviews, the acs, and online Sporty's or Cirrus Approach Instrument course

Objective: To demonstrate proficient knowledge on all ACS topics. Have the instructor assign a flight plan guideline for discussion and flight.

Knowledge Areas	
☐ Flight instruments	☐ MSA
☐ Steam	☐ MTA
☐ Glass	☐ MVA
☐ Magnetic	☐ OROCA
Navigation equipment function and	Definitions of night
their errors	☐ Logging
□ VOR	☐ Landing
□ DME	☐ Lights
☐ GPS	□ Oxygen
Aeromedical factors	Publications
☐ Regulations	☐ TERPS
Pilot qualifications	☐ TPP
Currency	☐ IFH
Airworthiness	☐ AFH
☐ AVIATES	☐ PHAK
☐ ARROW	☐ FAR/AIM
ATOMATOFLAMES	□ РОН
FLAPS	☐ ACS
☐ GRABCARD	Low Enroute Charts
Preflight action	☐ Weather theory
☐ IFR weather minimums	☐ Weather services
☐ Alternates	☐ Cross country flight planning
Landing requirements	☐ Filing
91.175	☐ VFR airspace and weather
☐ IFR altitudes	minimums
☐ Cruising	☐ Lost Comms
☐ DA/H	☐ Altitude
☐ MAA	☐ Route
☐ MCA	Lost Procedures and Emergency
☐ MDA/H	Codes
☐ MEA	Clearances
☐ MOCA	☐ CRAFT
☐ MORA	☐ Clearance void time
□ MRA	☐ Departure Procedures

☐ ODP	☐ RNAV
☐ SID	☐ GPS
Climb gradient vs rate	☐ WAAS
☐ Minimums	☐ RAIM
DP plate	☐ LPV
Approach and STAR Procedures	☐ LNAV/VNAV
☐ Contact vs Visual	LNAV
Segments of an approach	+V
☐ IAF/IF/FAF	□ RNP
☐ DA/DH/MDA	☐ Missed Approach Procedures
□ VDP	☐ Circling Procedures
☐ MAP	Reporting Points- radar and
Approach Categories	non radar
☐ Precision	☐ Holds
	☐ Published
	☐ Unpublished
☐ Glide slope	☐ Entries
☐ Marker	☐ Speed limits
beacons	☐ Timing vs DME
□ ALS	☐ Correcting for wind
□ PAR	DME ARCs
☐ Non Precision and APV	☐ Procedure Turns
□ VOR	Trocodoro forms
	I
Completion standards: Student was able to dem	onstrate proficient knowledge on all ACS
instrument ground topics to standards.	ionalia pronolom kinomodgo em ali 7.00
mismorni greena repies to standards.	
Date Completed	
Overall Grade: Excellent Good Fair Needs Impro	vement
Name/Signature	
Notes:	

Stage 3 Lesson 7: Flight	
Mock Checkride	

Prerequisite study: Reference previous ground topic overviews and online Sporty's or Cirrus Approach Instrument course.

Inowledge Tasks	CAPS available
☐ Completion of ground portion of End	Climb
of Course	☐ Checklist
	☐ Cruise
reflight Tasks	☐ Checklist
☐ Proper flight plan filing	Intercepting and Tracking
□ Proper demonstration of PAVE	VOR/GPS
	☐ Holds
light Tasks	Published
☐ Checklists	Unpublished
Engine start	Build a hole
Instrument check	☐ DME ARC
Run up	Lost Comms
Climb	Engine failure
Cruise	Recovery from unusual
☐ Pre Taxi	attitudes
Set up comms	☐ Descent
Set up navigation equipment	☐ Checklist
☐ Engine start	☐ Non Precision Approach
☐ VOR check	Precision Approach
KRAFT Clearance	Missed Approach
☐ Taxiing- instrument check	☐ Circling Approach
□ Run up□ Take off	Straight in ApproachPartial Panel
☐ Take off	☐ Partial Panel
Departure Procedure	
☐ Departore Frocedure	

Overall Grade: Excellent Good Fair Needs Improvement

Name/Signature	
Notes:	

Instrument Rating Checkride Endorsements

Aeronautical knowledge test: §§ 61.35(a)(1), 61.103(d), and 61.105. I certify thathas received the required training in accordance with § 61.105. I have determined [he or she] is prepared for theknowledge test Date CFI	Flight proficiency/practical test: § 61.65(a)(6). I certify that
Review of deficiencies identified on airman knowledge test: § 61.39(a)(6)(iii), as required. I certify thathas demonstrated satisfactory knowledge of the subject areas in which [he or she] was deficient on theairman knowledge test. DateCFI	Retesting after failure of a knowledge or practical test: § 61.49 I certify that has received the additional [flight and/or ground, as appropriate] training as required by § 61.49. I have determined that [he or she] is proficient to pass theknowledge/practical test. Date CFI
Prerequisites for instrument practical tests: § 61.39(a). I certify that	Completion of an instrument proficiency check: § 61.57(d). No logbook entry reflecting unsatisfactory performance on an instrument proficiency check is required. I certify that [First name, MI, Last name], [grade of pilot certificate], [certificate number], has satisfactorily completed the instrument proficiency check of § 61.57(d) in a [make and model] aircraft on [date]. Date

APPENDICES

PIIOT:	Iall #:	+uomosos		Dispatched by:			General Elight Guidance	-	,	~	_	и	2
	NISK AS	Sessillell	,				General Filgin Guidance	-	1	م	ţ.	^	no.
	Low	Medium		High		Score	Years Actively Flying (Currency	> 10	6-10	2-5		<2	
P Pilot							Maintained)	1		•			
General	•		2	0	10			7,		777.77		7747667	
IFR Proficiency	•		2	0	10		Last Recurring Training Event	0 M 0 V		9-12 MO		12-24 IVIO	
OR NOT IFR Rated					10			ATP or	Comm w/	Pvt			
Night Currency (30 Days)	> 3 Landings 0	1-3 Landings	s 3	0 Landings	2		Certificate Held	GFI	FR		PVT	Stud	
IMSAFE (see reverse)	0 Elements 0	1 Element	Ŋ	2 or greater	10		Total Time	>2000	1000-	750-1000	500-750	<500	
A Aircraft													
Maintenance Status	Fully 0 Functional	Non Critical Squawks	10	Not Airworthy	NG		Hours Logged Last 12 Months	>200	150-200	100-150	50-150	<50	
On Board Weather	Yes 0			No	2		and the fact of the state of th	9	25.50	35.35	10.75	5	
Autopilot	Yes 0			No	10		nours in Type tast 90 Days	064	99-20	65-67	67-01	OTS	
V Enviornment							Mishap in Last 24 Months				Incident	Accident	
Planned Flight Altitude	0 0008 >	8000-12,000	0 2	> 12,000	10		Landing (in Type) Last 30 Days	>10	6-9	3-5	1-2	0	
Planned Flight Time	<2 hrs 0	2-4 hrs	2	> 4 hrs	10							Total	
Enroute Terrain	Flat 0	Rolling / Low	8	Mntns or Large Bodies of H2O	10		Pilot Categories	>/= 23	0	14-22		+13</td <td>•</td>	•
Enroute Weather	CAVU 0	Isolated TS / Poss Icing	/ 10	Scattered TS / Probable Icing	40								
Ceilings/Vis at Destination	> 3000 / 5 0	2000-3000 / 3 Miles	8	< 2000 2 Miles	15		Instrument Flight Guidance	1	2	3	4	5	You
Landing RW distance	2.5 x Short 0 Field + Roll	, 1.	5.	< 1.5 X	10		Years Actively Flying IFR (Currency Maintained)	>5		1-5		<1	
Crosswind at Destination	<10 Knots 0	10-20 Knots	s 5	> 20 Knots	10		Hours Flown IFR in Last 90 Days	>35	25-35	10-25	5-10	<5	
Day vs Night Landing Airfield	Day 0 Familiar 0			Night New	9 9		Simulated / Actual Instrument in Type (avionics) last 90 Days	κ×		1-3		^1	
E External Pressures	ON		ı	Yes	10	I	Autpilot Coupled IAPs in Type (avionics) last 90 Days	4		14		0	
Co-Pilot	Yes w/CRM -10 training	0		No, or w/o CRM training	10		Hand Flown IAPs in Last 90 Days	>2		1		0	
Urgency of Flight	Can be late 1	Should Get There		Must Get There	20		Received Avionics Specific Training from Instructor	Yes				No	
Family &/or Business Issues	Nothing Pressing	Occupied with Issues	th 10	Stressed by Situations	30		Subtract 2 points for completeing IPC in last 12 Months; Subtract 1 point when flying with IFR licensed pilot	last 12 M	onths; Sub	tract 1		Total	
	Total Sco	ore					Pilot Categories	>/= 19	0	8-18		2+/>	4
06 =/>		Low Ri	isk, Stay	Low Risk, Stay Vigilent			STORES OF THE STORES	CT = /2		0.40		, , , ,	•
> 90 < 170	Moderat	e Risk, Apply R	isk Man	Moderate Risk, Apply Risk Management, especially OUTS	y outs								
> 170	Res	chedule and/or	make ch	Reschedule and/or make changes to reduce Risk	sk		IMSAFE: Illness; Medication; Stress; Alcohol; Fatigue; Eating	ation;	Stress;	Alcohol	; Fatigu	e; E atin	20

Eating

CE		MOMENT								-336				GAL.
WEIGHT AND BALANCE		ARM		48	37	73	95	123		48		48		RED
EIGHT AN	SKYHAWK N_	WEIGHT								-7				MINIMUM FUEL REQUIRED
M	SKY	STATION	Empty Weight	Usable Fuel gal	Pilot & Front passenger	Rear Passengers	Baggage Area 1 (120 lbs Max)	Baggage Area 2 (50 lbs Max)	RAMP WEIGHT	Start/Taxi/ Run-up	TAKEOFF WEIGHT	Fuel Burn gal	LANDING WEIGHT	MINIM

PREFLIGHT		S IVUSIS NI EL TENTI S	3
CHECKLIST	i		<u> </u>
Current	CIGNAL	CINI IOAD NO	THEILIGHT
Departure WX	JONIO	ON GEOOR	
Current	Steady	Cleared for	Cleared to
Enroute WX	Green	Takeoff	Land
Forecast	Flashing	Cleared to	Return for
Enroute WX	Green	Taxi	Landing
Forecast	C+30 Change	45	Civio Morri
Destination WX	oreany neu	dots	GIVE WAY
Forecast Alternate	Flashing	Taxi Clear	DO NOT
Airport WX	Red	of Runway	LAND
Winds & Temps	Flashing	Return to	
Aloft Forecast	White	Ramp	'
Aros Forocast	Alternating	Use Extreme	Use Extreme
Alea roi ecast	Red/Green	Caution	Caution
Temp/Dew Point			
Spread			
Freezing Level	I'M	I'M SAFE	
PIREPs	Illness		
NOTAMS	Medication		
ADM/PAVE	Stress		
Flight Plan	Alcohol		
	Fatigue		

Max T/O Weight	2400	2400
Moment	51,869,78	55,750.38
Arm	36.1	36.84
Empty Weight	1436.69	1513.51
#N	3021E	738BS

סס

X	WEIGHT AND BALANCE	D BALAN	CE
ID	CIRRUS N		
STATION	WEIGHT	ARM	MOMENT
Empty Weight			
Usable Fuel gal			
Pilot & Front passenger			
Rear Passengers			
Baggage Area 1 (120 lbs Max)			
Baggage Area 2 (50 lbs Max)			
RAMP WEIGHT			
Start/Taxi/ Run-up			
TAKEOFF WEIGHT			
Fuel Burn gal			
ANDING WEIGHT			
MINIMUL	MINIMUM FUEL REQUIRED	RED	GAL.

PREFLIGHT CHECKLIST	FIG	LIGHT GUN SIGNALS	ST
Current	SIGNAL	GNIGBOLIND	IN ELIGHT
Departure WX			
Current	Steady	Cleared for	Cleared to
Enroute WX	Green	Takeoff	Land
Forecast	Flashing	Cleared to	Return for
Enroute WX	Green	Taxi	Landing
Forecast	C+ondy Bod	G C+3	Give May
Destination WX	oreany neu	dote	GIVE WAY
Forecast Alternate	Flashing	Taxi Clear	DO NOT
Airport WX	Red	of Runway	LAND
Winds & Temps	Flashing	Return to	1
Aloft Forecast	White	Ramp	•
Area Forecast	Alternating	Use Extreme	Use Extreme
360000000000000000000000000000000000000	Red/Green	Caution	Caution
Temp/Dew Point			
Spread			
Freezing Level	I'M	I'M SAFE	
PIREPs	Illness		
NOTAMs	Medication		
ADM/PAVE	Stress		
Flight Plan	Alcohol		

I'M SAFE						
I'M	Illness	Medication	Stress	Alcohol	Fatigue	Eating

December 3, 2019

Max T/O Weight

Moment

Arm

Empty Weight

3050

307.693

140.67

2187

881PF

WEATHER RESTRICTIONS

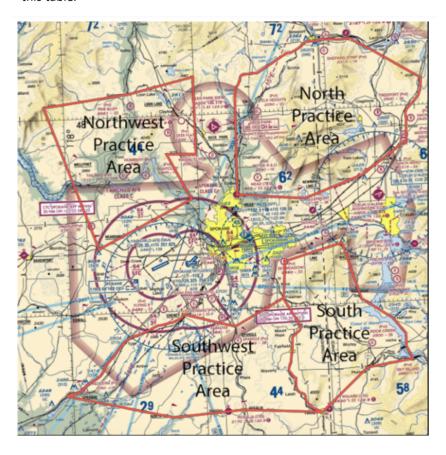
The following weather restrictions apply to NWFS operations:

	Ceiling	Visibility	Crosswind Component
Traffic Pattern	3000 AGL	5 NM	8 Kts

Practice Area	5000 AGL	8 NM	8 Kts
VFR Cross Country	5000 AGL	10 NM	8 Kts
IFR	200' above lowest published minimums	Published mins plus ½ NM for precision. Published mins plus 1 NM for non-precision	8 Kts

^{*}Individual student/renter endorsements may be more or less restrictive than that presented in this table.

^{**}Dual flight instruction may be conducted at the flight instructor's personal minimums which may not match this table.



IFR Clearance & Flight Log

С			
R			
Α	climb/maintain	expect	minutes after departure
F			
Т			

Release time: _____ Void time: _____ Time now:_____

Altitude	Heading	Frequency