



**Instrument Pilot
Rating Course
(ASEL)
Flight Training Syllabus
FAR Part 141**

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TECH AVIATION FLIGHT SCHOOL, INC.

APPROVED SCHOOL CERTIFICATE #TVMS353S

**INSTRUMENT PILOT RATING COURSE
AIRPLANE SINGLE-ENGINE LAND (ASEL)
FLIGHT TRAINING SYLLABUS**

PRINT STUDENT NAME:

LAST NAME, FIRST NAME

**_____/_____/_____
DATE (mm/dd/yyyy)**

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INTRODUCTION

The Instrument Rating Course (Airplane) flight training syllabus is designed to meet or exceed the requirements of 14 CFR 141, Appendix C. Its design will allow an appropriately rated Private or Commercial Pilot (see enrollment requirements, page 3) to acquire the proficiency and experience needed to meet the certification requirements for adding a U.S. FAA Instrument Rating (Airplane) to an existing Private or Commercial Pilot Certificate (ASEL). The performance criteria specified in the syllabus is based on the current FAA Instrument Rating (ASEL) Practical Test Standards (PTS). All enrolled students of this course must meet these standards before graduating from this course.

This flight-training syllabus contains two (2) stages consisting of thirty-two (32) separate lessons. Each lesson includes an objective and a completion standard. Each completion standard must be met in its entirety before that lesson may be considered complete. The individual lesson and stage times indicated are not mandatory and are included for flight instructor and student guidance only. However, before graduation from the course, a student must meet the following minimum training hours:

Dual	Cross Country	IFR	ATD	Ground	Total Flight
38.0	6.7	21.0	14.0	11.0	38.0

Within each stage, lesson sequences may be adjusted as necessary to facilitate training continuity. This is permitted as long as training objectives are not compromised.

The flight instructor will assign a grade of Satisfactory (S), Unsatisfactory (U), or Incomplete (I) to each element within a lesson and an S, U, or I for the overall lesson grade.

Each lesson contains an outline with a detailed sequence of elements that the student must successfully complete during the lesson. If a lesson is not completed for any reason, additional time will be required to complete those elements graded I or U. A lesson is completed only when all elements of that lesson are graded S.

Each stage contains a stage check at the end to check the student's progress. Each stage check must be satisfactorily completed before the student may continue training in the next stage. The final lesson of the flight training syllabus is end-of-course check. This lesson is designed to ensure that the student has acquired the aeronautical knowledge and flight skills required by the current FAA Instrument Rating (ASEL) Practical Test Standards (PTS).

TRAINING SYLLABUS

- I. ENROLLMENT PREREQUISITES:** To enroll in the Instrument Rating Course (Airplane), the applicant must hold a current private or commercial pilot certificate with a single-engine land aircraft category and class rating prior to beginning the flight portion of the course.

- II. GROUND TRAINING REQUIREMENTS:** The applicant must successfully complete all required ground training lessons including the Final Stage Check.

- III. FLIGHT TRAINING REQUIREMENTS:** The applicant must successfully complete all flight training lessons, stage checks, and end of course tests.

- IV. REQUIREMENTS FOR GRADUATION:** To obtain a graduation certificate for the Instrument Pilot Rating Course (ASEL), the applicant must:
 - a.** Hold at least a current private pilot certificate with an airplane single-engine land category and class rating;
 - b.** Be able to read, speak, write, and understand the English language;
 - c.** Complete all ground training requirements;
 - d.** Complete all flight training requirements; and
 - e.** Hold a valid FAA medical certificate.

FLIGHT TRAINING WORKSHEETS

#	Date	Aircraft	Total Time	Grade	Dual	X-C Dual	IFR	ATD	Grd	Req. Total
INSTRUMENT STAGE I										
201									1.0	
202					1.0			1.0		1.0
203					1.5			1.5		1.5
204					1.5			1.5		1.5
205					1.2		1.0			1.2
206					1.5			1.5		1.5
207					1.5		1.3			1.5
208									1.0	
209					1.5			1.5		1.5
210					1.5			1.5		1.5
211					1.5		1.3			1.5
212					1.5		1.3			1.5
213V					1.5		1.3		1.0	1.5
STAGE I TOTAL:					15.7		6.2	8.5	3.0	15.7
INSTRUMENT STAGE II										
214									1.0	
215					1.5			1.5		1.5
216					1.5			1.5		1.5
217					1.5		1.3			1.5
218									1.0	
219					1.0			1.0		1.0
220					1.5			1.5		1.5
221					1.5		1.3			1.5
222									1.0	
223					1.5		1.3			1.5
224					1.5		1.3			1.5
225									1.0	
226					1.6	1.6	1.4			1.6
227					1.6	1.6	1.4			1.6
228					3.5	3.5	3.3			3.5
229									1.0	
230					1.1		0.9			1.1
231 V					1.5		1.3		1.5	1.5
232 □					1.5		1.3		1.5	1.5
STAGE II TOTAL:					22.3	6.7	14.8	5.5	8.0	22.3
OVERALL TOTAL:					38.0	6.7	21.0	14.0	11.0	38.0

√ Stage Check

◆ Course Completion Check

Original 03/01/2008

STAGE I

STAGE OBJECTIVE

This stage provides the student with an introduction to basic attitude instrument flight while emphasizing the primary and supporting instrument scan to include instrument cross-check, interpretation, and aircraft control. Basic attitude instrument flight will be conducted with both a fully functioning panel of flight instruments and simulated instrument failure. Basic instrument navigation skills will be presented including the use of VOR, NDB and/or GPS, and DME navigation aids.

STAGE COMPLETION STANDARDS

At the completion of this stage the student shall demonstrate precise airplane attitude control by instrument reference as listed in the stage check completion standards. All tracking using navigation aids shall be accurate with the student maintaining orientation at all times.

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Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	GROUND LESSON #201					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required					1.0	
Lesson Total						
Amount Forward						
Total to Date						
Required Total					1.0	

LESSON OBJECTIVE:

During this ground lesson, the student will be introduced to specific operations regarding weather and preflight.

Subject	Grade	Subject	Grade				
<i>Introduce</i>							
Weather Information	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>						
Aircraft Systems Related to IFR Operations							
Aircraft Instruments and Navigation Equip.							
Aircraft Preflight (IFR Emphasis)							

COMPLETION STANDARDS:

At the completion of this ground lesson, the student should be familiar with weather and preflight operations for flight in IFR conditions.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #202					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.0			1.0		1.0
Lesson Total						
Amount Forward						
Total to Date						
Required Total	1.0			1.0	1.0	1.0

LESSON OBJECTIVE:

During this lesson, the student is provided with an introduction to attitude instrument flying with special emphasis on learning precise aircraft control by instrument reference. In addition, the student will be introduced to the concept of primary and supporting instruments, and the fundamental skill of instrument cross check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion			
Introduce Maneuvers and Procedures			
Instrument Cockpit Check			
Introduce and Practice			
Straight and Level			
Standard-Rate Turns			
Constant Airspeed Climbs			
Climbing Turns			
Constant Airspeed Descents			
Descending Turns			
Changes of Airspeed			
Rate Climbs			
Rate Descents			
Steep Turns			
Post Flight Discussion			

COMPLETION STANDARDS:

This lesson is complete when the student can, with instructor assistance, demonstrate control through the use of pitch, bank, and power.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

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DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #203					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	2.5			2.5	1.0	2.5

LESSON OBJECTIVE:

During this lesson, the student will review the full panel instrument maneuvers listed to increase proficiency. In addition, the student will be introduced to partial panel attitude instrument flying. The fundamental skills of, instrument interpretation and aircraft control will also be introduced.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>			
<i>Review</i>		<i>Introduce and Practice</i>	
Instrument Cockpit Check	<input type="checkbox"/>	Time Turns to Magnetic Compass Heading	<input type="checkbox"/>
Straight and Level	<input type="checkbox"/>	Vertical S, S-1, and S-2	<input type="checkbox"/>
Standard-Rate Turns	<input type="checkbox"/>	Pattern A & Pattern B	<input type="checkbox"/>
Constant Airspeed Climbs	<input type="checkbox"/>	Recovery from Unusual Flight Attitudes	<input type="checkbox"/>
Constant Airspeed Descents	<input type="checkbox"/>	Partial Panel	<input type="checkbox"/>
Change of Airspeed	<input type="checkbox"/>	- Straight and Level	<input type="checkbox"/>
Steep Turns	<input type="checkbox"/>	- Standard Rate Turns	<input type="checkbox"/>
Rate Climbs	<input type="checkbox"/>		
Rate Descents	<input type="checkbox"/>	<i>Post Flight Discussion</i>	
	<input type="checkbox"/>		

COMPLETION STANDARDS:

This lesson will be complete when the student can, with minimal instructor assistance, demonstrate control through the use of pitch, bank, and power. During this session, the student should maintain altitude within ± 200 feet and heading within ± 15 degrees during level flight. Climb and descent airspeed should be maintained within ± 15 Knots.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #204					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	4.0			4.0	1.0	4.0

LESSON OBJECTIVE:

During this lesson, the student will review the maneuvers listed for full panel instrument to increase proficiency. In addition, the student will be further introduced to partial panel attitude instrument flying.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		- Rate Descents	
Review		- Change of Airspeed	
Vertical S, S-1, and S-2		- Standard-Rate Turns	
Pattern A & Pattern B			
Steep Turns			
Recovery from Unusual Flight Attitudes			
Review (Partial Panel)			
Straight and Level			
Standard-Rate Turns			
Introduce			
Partial Panel			
- Constant Airspeed Climbs			
- Constant Airspeed Descents			
- Rate Climbs			
		Post Flight Discussion	

COMPLETION STANDARDS:

The student should understand both the change in instrument reference and the emphasis necessary to maintain control while using partial panel.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #205					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.2		1.0			1.2
Lesson Total						
Amount Forward						
Total to Date						
Required Total	5.2		1.0	4.0	1.0	5.2

LESSON OBJECTIVE:

During this lesson, the student will be introduced to aircraft control by reference to instruments during flight with special emphasis on pitch, bank, and power control. This lesson will reinforce the concept of primary and supporting instruments, and the fundamental skills of instrument cross check, instrument interpretation and aircraft control during flight.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>			
<i>Practice (Full Panel)</i>			
Straight and Level			
Climbs			
Descents			
Change of Airspeed			
Standard-Rate Turns			
Constant Airspeed Climbs			
Constant Airspeed Descents			
Rate Climbs			
Rate Descents			
Recovery from Unusual Flight Attitudes			
Steep Turns			
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

This lesson will be complete when the student can, with minimal instructor assistance, control the aircraft through means of pitch, bank, and power. During this flight, the student shall maintain altitude within ± 200 feet and heading within ± 15 degrees during level flight. Climb and descent airspeed shall be maintained within ± 15 knots.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #206					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	6.7		1.0	5.5	1.0	6.7

LESSON OBJECTIVE:

This lesson continues to further develop the student's knowledge and skill in full and partial panel attitude instrument flying.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		- Constant Airspeed Descents	
<i>Review</i>		- Rate Climbs	
Full Panel		<i>Introduce</i>	
- Straight and Level		Partial Panel	
- Standard-Rate Turns		- Time Turns to Magnetic Compass Heading	
- Constant Airspeed Climbs		- Recovery from Unusual Flight Attitudes	
- Constant Airspeed Descents			
- Time Turns to Magnetic Compass Heading		<i>Post Flight Discussion</i>	
- Rate Climbs			
- Rate Descents			
- Steep Turns			
- Recovery from Unusual Flight Attitudes			
Partial Panel			
- Straight and Level			
- Standard-Rate Turns			
- Constant Airspeed Climbs			

COMPLETION STANDARDS:

The student should demonstrate increased proficiency in control by reference to the flight instruments through the use of only a partial panel.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #207					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	8.2		2.3	5.5	1.0	8.2

LESSON OBJECTIVE:

During this lesson, the student will develop increased proficiency in aircraft control by reference to flight instruments.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion			
Review (Full and Partial Panel)			
Straight and Level			
Standard Rate Turns			
Constant Rate Climb			
Constant Airspeed Climb			
Constant Rate Descent Airspeed			
Constant Airspeed Descent			
Rate Climbs			
Rate Descents			
Time Turns to Magnetic Compass Headings			
Steep Turns (full panel only)			
Recovery from Unusual Attitudes			
Post Flight Discussion			

COMPLETION STANDARDS:

The student shall be able to maintain altitude within ± 150 feet, heading within ± 15 degrees, and desired climb or descent rates within ± 150 feet per minute with full panel. The correct procedures shall be used for unusual attitude recovery. At all times during full and partial panel, the aircraft shall remain under control.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #209					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	9.7		2.3	7.0	2.0	9.7

LESSON OBJECTIVE:

This lesson introduces orientation in relation to a VOR station. VOR radial interception and tracking procedures will be introduced. VOR time, speed, and distance computations, and the interception and tracking of DME arcs are introduced.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>			
Review Previous Ground Lesson			
- VOR Time, Speed, and Distance			
- VOR Intercepts and Tracking			
<i>Introduce and Practice (Full Panel)</i>			
VOR			
- Check (Ground and Airborne)			
- Orientation			
- Radial Interception			
- Tracking			
- Time, Speed, and Distance Check			
DME Arc Intercepting and Tracking			
<i>Post Flight Discussion</i>			

COMPLETION STANDARDS:

The student should demonstrate an understanding of the procedures used to perform VOR intercepting and tracking; time, speed, and distance computations; and the interception and tracking of DME arcs.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #210					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	11.2		2.3	8.5	2.0	11.2

LESSON OBJECTIVE:

During this lesson, the student will develop increased proficiency in VOR and DME arc navigation by reviewing maneuvers presented in previous lessons. NDB and/or GPS orientation, tracking, and time, speed and distance calculations will be introduced.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		Introduce and Practice (Full Panel)	
NDB and/or GPS	<input type="text"/>	NDB and/or GPS Orientation	<input type="text"/>
- Intercepting	<input type="text"/>	- Bearing Interception	<input type="text"/>
- Tracking	<input type="text"/>	- Bearing Tracking	<input type="text"/>
- Bracketing	<input type="text"/>	- Time, Speed, and Distance Check	<input type="text"/>
Review		Post Flight Discussion	
Full Panel Instrument	<input type="text"/>		
VOR Orientation	<input type="text"/>		
- Intercepting	<input type="text"/>		
- Tracking	<input type="text"/>		
- Time, Speed, and Distance	<input type="text"/>		
DME Arc Intercepting and Tracking	<input type="text"/>		

COMPLETION STANDARDS:

The student shall demonstrate increased proficiency in all VOR procedures. The student should understand NDB and/or GPS orientation, intercepting and tracking; including time, speed and distance checks.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #211					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	12.7		3.6	8.5	2.0	12.7

LESSON OBJECTIVE:

During this lesson, the student continues to develop knowledge and skill in the use of full panel VOR and NDB or GPS navigation equipment.

LESSON CONTENT																		
Subject	Grade	Subject	Grade															
<i>Preflight Discussion Review (Full Panel)</i>		<i>Post Flight Discussion</i>																
Change of Airspeed	<table border="1" style="width: 100px; height: 100px;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>																	
Straight and Level																		
- Constant Rate Climbs																		
- Constant Airspeed Climbs																		
Constant																		
- Rate Descents																		
- Airspeed Descents																		
Recovery from Unusual Flight Attitudes																		
VOR																		
- Orientation																		
- Radial Interception and Tracking																		
NDB or GPS Homing																		
- Bearing Interception																		
- Bearing Tracking																		

COMPLETION STANDARDS:

Student shall demonstrate increased proficiency in VOR and NDB or GPS navigation.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #212					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	14.2		4.9	8.5	2.0	14.2

LESSON OBJECTIVE:

During this lesson, the student will review and practice basic attitude instrument flight and navigation to increase proficiency in preparation for the first stage check.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion			
Preparation for Stage Check Oral			
Review and Practice (Full and Partial Panel)			
Straight-and-Level Flight			
Change of Airspeed Climbs and Descents			
Rate Climbs and Descents			
Timed Turns to Magnetic Compass Heading			
Steep Turns (Full Panel Only)			
Recovery from Unusual Flight Attitudes			
Navigation			
- VOR Orientation, Intercepts, Tracking			
- NDB or GPS Orientation, Intercepts, Track			
Post Flight Discussion			

COMPLETION STANDARDS:

The student shall be able to maintain altitude within ± 100 feet, heading within ± 10 degrees, and desired climb or descent rates within ± 100 feet per minute. The student shall demonstrate accurate VOR and NDB or GPS orientation and tracking.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	STAGE I CHECK			FLIGHT LESSON		#213
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3		1.0	1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	15.7		6.2	8.5	3.0	15.7

LESSON OBJECTIVE:

During this lesson, the Chief Instructor or Assistant Chief Instructor will evaluate the student's proficiency in attitude instrument flight and navigation to ensure the student is prepared for more complex procedures.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Oral Examination		Steep Turns	
Aircraft Instruments and Related Systems		Recovery from Unusual Attitudes	
Weather Information		VOR Tracking and Intercepts	
National Airspace System		NDB and/or GPS Tracking and Intercepts	
Aircraft Performance and Limitations		DME Arc Intercepting and Tracking	
Flight Test		Partial Panel	
Full Panel		Straight and Level Flight	
Straight and Level Flight		Standard-Rate Turns	
Standard-Rate Turns		Constant Airspeed	
Constant Airspeed		- Climbs	
- Climbs		- Descents	
- Descents		Constant Rate	
Constant Rate		- Climbs	
- Climbs		- Descents	
- Descents		Timed Turns to Magnetic Compass Heading	
Timed Turns to Magnetic Compass Heading		Recovery from Unusual Attitudes	
		Post Flight Discussion	

COMPLETION STANDARDS:

The student shall be able to maintain altitude within ± 100 feet, heading within ± 10 degrees, and desired climb or descent rates within ± 100 feet per minute. The student shall demonstrate accurate VOR and NDB and/or GPS orientation and tracking.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

STAGE II

STAGE OBJECTIVE

This stage builds upon the skills developed in the first stage. Instrument approach procedures and IFR cross-countries are introduced and practiced.

STAGE COMPLETION STANDARDS

This stage is complete upon satisfactory performance in all Areas of Operation and Tasks listed in the current FAA Instrument Rating Practical Test Standards.

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	GROUND LESSON #214					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required					1.0	
Lesson Total						
Amount Forward						
Total to Date						
Required Total	15.7		6.2	8.5	4.0	15.7

LESSON OBJECTIVE:

During this ground lesson, the student will be introduced to VOR/VORTAC, DME, intersection, NDB and/or GPS and Localizer holding procedures. Localizer navigation will be presented.

LESSON CONTENT																		
Subject	Grade	Subject	Grade															
<i>Introduce</i>																		
Navigation Aids	<table border="1" style="width: 100px; height: 100%; border-collapse: collapse;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>																	
- Localizer																		
Holding Patterns																		
- ATC Clearances																		
- Loss of Communications																		
- Drawing of Holding Pattern																		
- Holding Pattern Entries																		
- Maintaining Proper Ground Track																		
- Leaving																		
VOR/VORTAC Holding Patterns																		
VOR/DME Holding Patterns																		
Intersection Holding Patterns																		
Localizer Holding Patterns																		
NDB and/or GPS Holding Patterns																		

COMPLETION STANDARDS:

This lesson is complete when through oral quizzing and discussion, the student displays a basic understanding of holding procedures and localizer navigation.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #215					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	17.2		6.2	10.0	4.0	17.2

LESSON OBJECTIVE:

During this lesson, VOR/VORTAC and localizer holding patterns will be introduced.

LESSON CONTENT													
Subject	Grade	Subject	Grade										
<i>Preflight Discussion</i>													
<i>Introduce and Practice</i>													
Holding Patterns	<table border="1" style="width: 50px; height: 100px;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>												
- ATC Clearance													
Holding Pattern Entries													
VOR Holding Patterns													
- Standard													
- Non-Standard													
Localizer Holding													
- Standard													
- Non-Standard													
<i>Post Flight Discussion</i>													

COMPLETION STANDARDS:

Using VOR/VORTAC and Localizer, the student should demonstrate the correct procedures to execute holding patterns.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #216					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	18.7		6.2	11.5	4.0	18.7

LESSON OBJECTIVE:

During this lesson, intersection and NDB and/or GPS holding patterns will be introduced.

LESSON CONTENT									
Subject	Grade	Subject	Grade						
<i>Preflight Discussion</i>									
<i>Introduce and Practice</i>									
Intersection Holding	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>								
- Radial Intersection									
- DME Fix									
NDB and/or Holding									
- Standard									
- Non-Standard									
<i>Post Flight Discussion</i>									

COMPLETION STANDARDS:

Using intersections and NDBs and/or GPS, the student should demonstrate the correct procedures to execute holding patterns.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #217					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	20.2		7.5	11.5	4.0	20.2

LESSON OBJECTIVE:

During this lesson, the student will increase proficiency by practicing VOR/VORTAC and NDB and/or GPS holding procedures.

LESSON CONTENT									
Subject	Grade	Subject	Grade						
<i>Preflight Discussion</i>									
<i>Practice</i>									
VOR/VORTAC Holding	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>								
- Standard									
- Nonstandard									
NDB and/or GPS Holding									
- Standard									
- Non-Standard									
<i>Post Flight Discussion</i>									

COMPLETION STANDARDS:

At the completion of this lesson, the student shall have the necessary skill and knowledge to determine the correct holding pattern entries and entry headings for VOR/VORTAC and NDB and/or GPS holding patterns – standard and non-standard. During holding pattern practice, the student shall maintain the desired altitude within ± 200 feet and airspeed within ± 10 knots of that assigned.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	GROUND LESSON #218					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required					1.0	
Lesson Total						
Amount Forward						
Total to Date						
Required Total	20.2		7.5	11.5	5.0	20.2

LESSON OBJECTIVE:

During this ground lesson, the student will be introduced to interpretation and use of the information published on instrument approach charts. Other flight publications include the Aeronautical Information Manual will be introduced. IFR clearances will be presented.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Introduce</i>		- Circling	
Flight Publications		- Missed	
Approach Chart		Clearances	
- Nav View, Profile View & Airport Diagram		- When a clearance is required	
- Step-Down Fix and VDP		- Where to get one	
- Landing Minimums		- Clearance Void Time	
- Aircraft Categories		- Elements of an IFR Clearance	
- Visibility Requirements		- Cruise Clearance	
- Minimum Altitude Requirements		- Approach Clearance	
- Inoperative Components		Cockpit Management	
- Takeoff and Alternate Minimums		- Navigation Equipment	
Approaches		- Charts	
- Non-Precision Approaches		- Lights	
- Precision Approaches		Aeronautical Information Manual	
- Contact Approach		SIDs and STARs	
- Visual Approach		Emergency Procedures	
- No-Gyro		<i>Post Flight Discussion</i>	

COMPLETION STANDARDS:

This lesson shall be complete when through oral quizzing and discussion, the student displays a basic understanding of approach charts, non-precision/precision approaches & ATC clearances.

REMARKS: _____

Student Signature

Instructor Signature

Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #219					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.0			1.0		1.0
Lesson Total						
Amount Forward						
Total to Date						
Required Total	21.2		7.5	12.5	5.0	21.2

LESSON OBJECTIVE:

During this lesson, the student will review holding patterns. The student will also be introduced to VOR/VORTAC, front course localizer, and ILS approaches.

LESSON CONTENT								
Subject	Grade	Subject	Grade					
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>						
<i>Review and Practice</i>								
Holding	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>							
- VOR/VORTAC								
- NDB and/or GPS								
<i>Introduce and Practice</i>								
Instrument Approach Procedures	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>							
- VOR/VORTAC								
- Localizer Front Course								
- ILS								
- Missed Approach								

COMPLETION STANDARDS:

At the completion of this lesson, the student should be able to do the following with minimal instructor assistance:

- 1) Explain and use the information displayed on the approach charts,
- 2) Execute several initial and intermediate approach segments to arrive at the Final App Fix
- 3) Complete the final approach and letdown to the missed approach point, and
- 4) Demonstrate the missed approach procedures, as published on the appropriate chart.

REMARKS: _____

Student Signature

Instructor Signature / _____
Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #220					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5			1.5		1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	22.7		7.5	14.0	5.0	22.7

LESSON OBJECTIVE:

During this lesson, the student will improve proficiency in flying VOR/VORTAC, localizer front course and ILS approaches. The student will also be introduced to approaches utilizing VOR/DME arcs, localizer back course, and NDB and/or GPS.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
Review			
Instrument Approach Procedures	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
- VOR/VORTAC			
- Localizer Front Course			
- ILS			
- Missed Approach			
Introduce and Practice			
Instrument Approaches	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
- VOR/DME Arc			
- Localizer Back Course			
- NDB and/or GPS			

COMPLETION STANDARDS:

At the conclusion of this lesson, the student should have a basic understanding of the following approaches: 1) VOR/DME arc, 2) Localizer Back Course, and 3) NDB and/or GPS. The student should be able to maintain specific descent rates, altitudes, and navigation tracking during each approach. During the ILS instrument approach procedures, the student shall demonstrate glide slope tracking, using power and attitude changes to control airspeed and descent rates.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #221					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	24.2		8.8	14.0	5.0	24.2

LESSON OBJECTIVE:

During this lesson, the student will increase proficiency in precision and non-precision instrument approach procedures.

LESSON CONTENT							
Subject	Grade	Subject	Grade				
<i>Preflight Discussion</i>							
<i>Review</i>							
Instrument Approach Procedures	<table border="1" style="margin: auto;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>						
- ILS							
- NDB and/or GPS							
- Missed Approach							
<i>Post Flight Discussion</i>							

COMPLETION STANDARDS:

The student shall demonstrate complete understanding of all appropriate precision and non-precision approach procedures.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	GROUND LESSON #222					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required					1.0	
Lesson Total						
Amount Forward						
Total to Date						
Required Total	24.2		8.8	14.0	6.0	24.2

LESSON OBJECTIVE:

During this ground lesson the student will be introduced to loss of communication and equipment failure procedures.

LESSON CONTENT																		
Subject	Grade	Subject	Grade															
<i>Introduce</i>																		
Loss of Communication	<table border="1" style="width: 100px; height: 100px;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>																	
- During Climbout																		
- Enroute																		
- Holding																		
- Approach																		
- Minimum Altitudes																		
- Transponder Codes																		
Equipment Failure																		
- Attitude Indicator																		
- Heading Indicator																		
- Attitude Indicator and Heading Indicator																		
- Turn Coordinator																		
- Use of Magnetic Compass																		

COMPLETION STANDARDS:

This lesson shall be complete when through oral quizzing and discussion, the student displays a basic understanding of loss of communication, and equipment failure procedures.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #223					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	25.7		10.1	14.0	6.0	25.7

LESSON OBJECTIVE:

During this lesson, the student will increase proficiency in instrument flight by review and practice of those procedures listed. In addition, the student will practice emergency and loss of communication procedures.

LESSON CONTENT									
Subject	Grade	Subject	Grade						
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>							
Review									
Instrument Approach Procedures	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>								
- Localizer									
- ILS									
- VOR									
- NDB and/or GPS									
- Missed									
Introduce and Practice									
Emergency Operations	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>								
Loss of Communication									
Loss of Attitude and/or Heading Indicator									
Circling Approach									

COMPLETION STANDARDS:

During the ILS instrument approach procedures, the student should demonstrate accurate localizer interception and tracking and make a transition to the glide slope at the correct point. The glide slope and localizer should be maintained with less than full-scale needle deflection. During the non-precision approaches, the student should maintain an altitude within ± 100 feet on the initial and intermediate approach segments. On the final approach segment, the student should maintain an altitude that is no more than 100 feet above the MDA.

REMARKS: _____

 Student Signature

 Instructor Signature / _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #224					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3			1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	27.2		11.4	14.0	6.0	27.2

LESSON OBJECTIVE:

During this lesson, the student will be introduced to no-gyro radar vectoring approach procedures. With this introduction and review of attitude instrument flying, the student will obtain the necessary knowledge and skill for the introduction of enroute procedures and holding patterns.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Discussion		Post Flight Discussion	
Review			
ILS Instrument Approach Procedures	<input type="checkbox"/>		
Localizer Approaches	<input type="checkbox"/>		
NDB and/or GPS Instrument Approach Proc.	<input type="checkbox"/>		
Intercepting and Tracking DME Arcs	<input type="checkbox"/>		
Loss of Attitude and/or Heading Indicators	<input type="checkbox"/>		
Circling Approach	<input type="checkbox"/>		
Introduce and Practice			
Partial Panel	<input type="checkbox"/>		
- Approach Procedures	<input type="checkbox"/>		
- Missed Approach	<input type="checkbox"/>		
- No-gyro Radar Vectors	<input type="checkbox"/>		

COMPLETION STANDARDS:

The student should have a basic understanding of the procedures used to perform no-gyro radar vectoring and approaches, and demonstrate proficiency in copying and complying with ATC clearances that pertain to the approach.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	GROUND LESSON #225					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required					1.0	
Lesson Total						
Amount Forward						
Total to Date						
Required Total	27.2		11.4	14.0	7.0	27.2

LESSON OBJECTIVE:

During this ground lesson, the student's knowledge of weather, aircraft systems, and flight instruments will be reviewed. This lesson introduces the student to IFR cross-country planning.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Review		- Table and Conversion Graph	
Aircraft Systems related to IFR Operations		- Constant Pressure Prognostic Charts	
Aircraft Flight Instruments and Nav Equip		- SIGMETs and AIRMETS	
Cockpit Management		- ATIS Reports	
		- AWOS and ASOS	
Introduce		IFR Cross-Country Flight Planning	
Obtaining Weather Information		- Filing a Flight Plan	
- Weather Reports and Forcasts		- SID	
- Pilot and Radar Reports		- STAR	
- Surface Analysis Chart		- Low Enroute Chart	
- Radar Summary Chart		- Preferred Route	
- Significant Weather Prognostic Charts		- Fuel Management	
- Wind and Temperature Aloft Charts		- Low Altitude Enroute Chart	
- Freezing Level Charts		- Preferred Routes	
- Stability Charts		- Fuel Management	
- Severe Weather Outlook Chart			
- Constant Pressure Chart			

COMPLETION STANDARDS:

This lesson will be complete when through oral quizzing and discussion, the student displays a complete understanding of weather, aircraft systems, and flight instruments. The student should also have a basic understanding of IFR cross-country planning.

REMARKS: _____

Student Signature _____

Instructor Signature _____

/ _____
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	GROUND LESSON #229					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required					1.0	
Lesson Total						
Amount Forward						
Total to Date						
Required Total	33.9	6.7	17.5	14.0	8.0	33.9

LESSON OBJECTIVE:

This lesson is the final preparation for the oral portion of the practical test (instrument rating).

LESSON CONTENT															
Subject	Grade	Subject	Grade												
Review Practical Test Standards															
Preflight Preparation	<table border="1" style="width: 100px; height: 100px;"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>														
- Weather Information															
- Cross-Country Flight Planning															
Preflight Procedures															
- Aircraft Systems Related to IFR Ops.															
- Aircraft Flight Instruments and Navigation															
- Instrument Cockpit Check															
Air Traffic Control Clearances and Procedures															
- Air Traffic Control Clearances															
- Compliance w/ Departure, Enroute, Arrival Procedures and Clearances															
- Holding Procedures															

COMPLETION STANDARDS:

This lesson will be complete when through oral quizzing and discussion, the student displays a complete understanding of all aspects of instrument flight listed in the current FAA Instrument Rating (Airplane) Practical Test Standards. All necessary preparation regarding paperwork for the course completion check shall be completed.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	FLIGHT LESSON #230					
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.1		0.9			1.1
Lesson Total						
Amount Forward						
Total to Date						
Required Total	35.0	6.7	18.4	14.0	8.0	35.0

LESSON OBJECTIVE:

This lesson reviews previous maneuvers in preparation for the end of course stage checks.

LESSON CONTENT			
Subject	Grade	Subject	Grade
<i>Preflight Discussion</i>		<i>Post Flight Discussion</i>	
ATC Communication Procedures	<input type="checkbox"/>		
Holding (choose two)	<input type="checkbox"/>		
- VOR/VORTAC Holding	<input type="checkbox"/>		
- NDB and/or GPS Holding	<input type="checkbox"/>		
- Localizer Holding	<input type="checkbox"/>		
- Intersection Holding	<input type="checkbox"/>		
- Radial Intersection	<input type="checkbox"/>		
- DME Fix	<input type="checkbox"/>		
VOR/VORTAC Approach Procedures	<input type="checkbox"/>		
NDB and/or GPS Approach Procedures	<input type="checkbox"/>		
ILS and Localizer Approach Procedures	<input type="checkbox"/>		
VOR/DME Arc Approach Procedures	<input type="checkbox"/>		
Missed Approach Procedures	<input type="checkbox"/>		
Partial Panel Approach Procedures	<input type="checkbox"/>		

COMPLETION STANDARDS:

This lesson will be complete when the student can perform any instrument task without assistance from the instructor. The performance of each task must meet the current FAA Instrument Rating Practical Test Standards.

REMARKS: _____

 Student Signature

 Instructor Signature

 /
 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / _____

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	STAGE II CHECK			FLIGHT LESSON		#231
	Dual	Cross Country	IFR	ATD	Ground	
Required	1.5		1.3		1.5	1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	36.5	6.7	19.7	14.0	9.5	36.5

LESSON OBJECTIVE:

The objective of this lesson is to evaluate the student's IFR skills in preparation for the end-of-course test.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Preparation		- Steep Turns	
- Weather Information		- Recovery from Unusual Flight Attitudes	
- Cross-country flight planning		Navigation Aids	
Preflight Procedures		- Intercept / Track VOR/VORTAC and DME	
- Aircraft System Relating to IFR Operations		- Intercept and Track NDB/GPS Bearings	
- Aircraft Flight Instrument & Navigation Equip		Instrument Approach Procedures	
- Instrument Cockpit Check		- VOR/VORTAC Instr. App Procedures	
Air Traffic Control Clearances and Procedures		- NDB/GPS Instrument Approach Proc.	
- Air Traffic Control Clearances		- ILS Instrument Approach Procedures	
- Compliance with DPs, Enroute, Arrival		- Missed Approach Procedures	
Clearances and Procedures		- Circling Approach Procedures	
- Holding Procedures		- Landing from a Straigh-In or Circling App.	
Flight by Reference to Instruments		Emergency Operations	
- Straight-and-Level		- Loss of Communications	
- Change of Airspeed		- Loss of Gyro Attitude or Heading Indicator	
- Constant Airspeed Climbs and Descents		Post Flight Procedures	
- Timed Turns to Magnetic Compass Heading		- Checking Instruments and Equipment	

COMPLETION STANDARDS:

At the completion of this lesson, the student shall display a complete understanding of IFR procedures. The student shall demonstrate the necessary knowledge and skill to operate safely as pilot in command and will perform all IFR procedures at or above the proficiency level listed in the current FAA Instrument Rating (Airplane) Practical Test Standards.

REMARKS: _____

 Student Signature

 Instructor Signature

 Print Name

TECH AVIATION FLIGHT SCHOOL, INC.

Instrument Pilot Rating Course-ASEL

Flight Training Syllabus

DATE: ___ / ___ / ___

GRADE: _____

AIRCRAFT MODEL: _____

N _____

TIME LOG	END-OF-COURSE CHECK			FLIGHT LESSON		#232
	Dual	Cross Country	IFR	ATD	Ground	Total Flight
Required	1.5		1.3		1.5	1.5
Lesson Total						
Amount Forward						
Total to Date						
Required Total	38.0	6.7	21.0	14.0	11.0	38.0

LESSON OBJECTIVE:

This stage check/end-of-course test will be conducted by the Chief or Assistant Chief Flight Instructor. The student’s instrument flight proficiency will be evaluated, as well as the ability to act safely, and competently as pilot in command. The student will be evaluated on the ability to control the aircraft accurately and smoothly while exercising sound judgment in decision-making.

LESSON CONTENT			
Subject	Grade	Subject	Grade
Preflight Preparation		- Steep Turns	
- Weather Information		- Recovery from Unusual Flight Attitudes	
- Cross-country flight planning		Navigation Aids	
Preflight Procedures		- Intercept / Track VOR/VORTAC and DME	
- Aircraft System Relating to IFR Operations		- Intercept and Track NDB/GPS Bearings	
- Aircraft Flight Instrument & Navigation Equip		Instrument Approach Procedures	
- Instrument Cockpit Check		- VOR/VORTAC Instr. App Procedures	
Air Traffic Control Clearances and Procedures		- NDB Instrument Approach Proc.	
- Air Traffic Control Clearances		- ILS Instrument Approach Procedures	
- Compliance with DPs, Enroute, Arrival Clearances and Procedures		- Missed Approach Procedures	
- Holding Procedures		- Circling Approach Procedures	
Flight by Reference to Instruments		- Landing from a Straight-In or Circling App.	
- Straight-and-Level		Emergency Operations	
- Change of Airspeed		- Loss of Communications	
- Constant Airspeed Climbs and Descents		- Loss of Gyro Attitude or Heading Indicator	
- Timed Turns to Magnetic Compass Heading		Post Flight Procedures	
		- Checking Instruments and Equipment	

This is to Certify That

is enrolled in the
Federal Aviation Administration
Approved 141 _____ Course
conducted by Tech Aviation.

Enrollment Date

Chief Flight Instructor

This is to Certify That

has successfully completed all stages, tests, and
course requirements and has graduated from the
Federal Aviation Administration
Approved 141 _____ Course
conducted by Tech Aviation.

The graduate has completed the cross-country training specified in FAR Part 141.

- ___ Private Pilot Certificate Course- Appendix B, Paragraph 4 and 5
- ___ Instrument Rating Course- Appendix C, Paragraph 4(c)(1)(ii)
- ___ Commercial Pilot Certification Course- Appendix D, paragraphs 4 and 5
- ___ Other: _____

I certify the above statements are true.

Chief Instructor
School Certificate # TVMS 353S
_____/_____/_____