

UNIVERSITY of DUBUQUE

COMMERCIAL
HELICOPTER PILOT
CERTIFICATION
TRAINING COURSE OUTLINE

COMMERCIAL PILOT CERTIFICATION COURSE

STUDENT FLIGHT RECORD

University of Dubuque / 2000 University Ave / Dubuque, IA 52001 AIR AGENCY CERTIFICATE NO. GV8S178Q

FTN#		

Pilot's Legal Name Pilot's Official Signature	SODA
SSN Da	ate of Birth
Citizenship	
I certify that	has presented to me a
(Certified Birth Certificate or U.S. Passport), est	stablishing that(he or she) is a U.S. citizen or
national in accordance with 49 CFR 1552.3 (h).	
Instructor	Date
Certificate No.	Expires
<u>Permanent Address</u>	
Street	
City, State, Zip	
<u>Phone</u>	~
Home School	Cell Date Completed sued Expires
Date of Enrollment	Date Completed
Medical Certificate Class Date iss	sued Expires
Private Dilet Cortificate No.	Data legued
Last Eliaht Davious Date	Date Issued/
Complex Endorsement Date	Instructor
UD Endersoment Date	Instructor
HP Endorsement Date Graduation Record	Instructor
	Caara
FAA Knowledge Test Date	Score
End-of-course graduation DateEnd-of-course Examiner	Result
EUG-OI-COUISE EXAMINE	
Records certified complete and accurate:	
Name	Date
Title	
Title	

<u>PREVIOUS EXPERIENCE</u> <u>EVALUATION</u>	
DUAL	SOLO
X-C SOLO	X-C-PIC
NIGHT DUAL	NIGHT SOLO
NIGHT LANDINGS	HOOD
FLIGHT TRAINING DEVICE	ACTUAL IFR
DATE FLIGHT / ORAL BY	TITLE
CREDIT GIVEN TERMINATION OF TRAINING DATE	
GROUND HOURS: Part 141 Part 61 _	HOURS AWARDED
FLIGHT HOURS: Part 141 Part 61 _	HOURS AWARDED
CERTIFIED BY	
CHIEF INSTRUCTOR	CERTIFICATE NO.
<u>TRANSFERRED</u> SCHOOL	
ADDRESS	
CITY STAT	E ZIP
TRANSFER DATEAIR AGENCY NOCOPY ISSUED TO STUDENT: DATE	

COMMERCIAL PILOT CERTIFICATION

Lessons 1—7

STAGE ONE Cross-Country Flight Training Course Outline

Training

40 hours (approx) of Cross-Country flight training which includes:

> 10 hours in cross-country flight in helicopters 2 hours minimum day cross-country flight 2 hours minimum of *night cross country* flight One cross-country flight (3 legs (1 leg 50 nm)) 5 hours in night VFR PIC

Stage One Objectives

Students will plan and fly multiple PIC cross-country flights to improve their aviation, navigation, and communication skills. Cross-country flights will be conducted VFR as regulations and conditions permit.

Stage One Completion Standards

This stage will be complete when the student meets all lesson standards and satisfactorily performs the Stage One Check.

Hours

STAGE ONE—Lesson 1 <u>Briefing</u>
CROSS-COUNTRY FLYING AND NAVIGATION
OBJECTIVE: A review of all aspects of VFR cross-country flying and navigation.
TIME: As required.

Hypoxia. hyperventilation Dehytration, faigue Alchook, drugs, carbon monoxide Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Doparation of nav lights 91.209 Ear/sinus, vertigo, motion sickness Date 91.209 Doparation final tides Date 91.209 Earl 91.209 Earl 91.209 Earl 91.209 Earl 91.209 Earl 91.209 Earl 91.209 Traffic patterns—entry, leg 91.209 Earl 91.209 Traffic patterns—entry, leg 91.209 Earl 91.209 Traffic patterns—entry leg 91.209 Earl 91.209 Traffic patterns—entry leg 91.209 Earl 91.209 Fall patterns—entry leg 91.209 Fall patterns—entry leg 91.209 Fall patterns—entry leg 91.209 Inspection 5—Performance Alchor/Doparation 91.9 Port Baction 5—Performance Port Baction 5—Performanc	PILOT ASSESSMENT		PART 91 AND 61 (con	ntinued)
Alcohol, drugs, carbon monoxide Ear/sinus, vertigo, motion sickness Emotional, immature behavior High stitude operations Coxygen requirements Flight plan requirements Flight plan requirements Flight plan requirements Flight plan requirements ARSPACE WEATHER INFORMATION Current weather charts Class A, B, C, D, E, G airspace Winds aloft reports WIND SCHORL STARS WEBS, HIWAS, EFAS PIREPs, SIGMETs, AIRMETS TWEBS, HIWAS, EFAS THE HELICOPTER Sectionals, WACS, TACS, IFR Enroute charts ARROW Apport/Facility Directories NOTAMS PART 61 ADD 91 Review Part 61—currency, Commercial Pilot Pilot in command 91.3 POH Section 3—Emergency Procedures POH Section 5—Performance POH Section 5—Performance POH Section 5—Performance POH Section 6—Service Reviews Part 61—currency, Commercial Pilot POH Section 7—Systems (review all systems Operating limitations 91.9 Rockless ops 91.13 POH Section 8—Service Rockless ops 91.13 POH Section 9—Supplements Alcohol/Drugs 91.17 Preflight actions 91.103 Seatbetts & hamesses 91.107 Near other acft 91.111 Marking obstructions to flight Minimum altitudes 91.119 Measuring TC and mileage Altimeter setting 91.121 Light gun signals 91.25 VOR navigation AlxoyGPS navigation AlxoyGPS navigation AlxoyGPS navigation		Hypoxia, hyperventilation		Special VFR 91.157
Ear/sinus, vertigo, motion sickness Emotional, immature behavior High altitude operations Coxygen requirements Flight plan requirements Flight plan requirements Current weather charts Forecast weather charts Winds aloft reports METARS, TAFS PIREPS, SIGMETS, AIRMETS TWEBS, HIWAS, EFAS PUBLICATIONS Sectionals, WACS, TACS, IFR Enroute charts POH Section 1—General Airport/Facility Directories NOTAMS PART 51 AND 91 Review Part 61—currency, Commercial Pilot Pilot in command 91.3 Operating limitations 91.9 POH Section 5—Performance Reviews part 1.13 Dropping objects 91.15 Airport/Pacility Directories Airport/Pacility Directories POH Section 1—Service POH Section 5—Performance POH Section 5—Performance POH Section 6—Weight & Balance/Equip List POH Section 9—Systems (review all systems of POH Section 9—Systems (review all systems of POH Section 9—Supplements Airport/pacility Directories Nortams POH Section 1—Service POH Section 9—Systems (review all systems of POH Section 9—Supplements Airworthiness Directives, Service Bulletins Airworthiness Directives, Ser		Dehydration, fatigue		VFR cruise altitudes 91.159
Emotional, immature behavior		Alcohol, drugs, carbon monoxide		VFR flight plans 91.169
High altitude operations Oxygen requirements Flight plan requirements Flight plan requirements AIRSPACE WEATHER INFORMATION Current weather charts Class A, B, C, D, E, G airspace Forecast weather charts Winds alloft reports METARS, TAFS WINDS, SIGMETS, AIRMETS TWEBS, HIWAS, EFAS PUBLICATIONS THE HELICOPTER ARROW Sectionals, WACs, TACs, IFR Enroute charts FAR/AIM Airport/Facility Directories NOTAMS PART 61 AND 91 Review Part 61—currency, Commercial Pilot Pilot in command 91.3 POH Section 9—Service Reckless ops 91.13 Doppring objects 91.15 Alcohol/Drugs 91.17 Preflight actions 91.103 Seatbelts & harnesses 91.107 Public tog proparation Airport/Specify 91.125 Norawing the fine of the propagation Airport solid 91.115 Minimum altitudes 91.119 Measuring TC and mileage Altimeter setting 91.125 VOR navigation Fund to group reparation Fund to		Ear/sinus, vertigo, motion sickness		Operation of nav lights 91.209
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### AIRSPACE WEATHER INFORMATION		High altitude operations		ELTs 91.207
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Traffic patterns—entry, exit, altitudes		Flight plan requirements	AIRSPACE	
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Fuel req 91.151 RNAV/GPS navigation Airspace 91.126-91.135				
Airspace 91.126-91.135				
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Hours	

STAGE ONE—Lesson 1 <u>Briefing</u> CROSS-COUNTRY FLYING AND NAVIGATION

Dead reckoning Pilotage Performance charts Fuel planning Weight and balance GolNo go decisions Alternate planning Filing flight plans—VFR COMMUNICATIONS Filight Service Stations Filight Watch—122.0 Conter—frequencies Unicom, Multi-com Emergency—121.5 Position reporting SPECIAL EMPHASIS Aeronautical Decision Making (ADM) Land and Hold Short Operations Controlled Flight Into Terrain RUNWAY INCURSION avoidance Wake turbulence/Wind shear Positive transfer of controls Collision avoidance Ling conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better. Instructor Student Date	FLIGHT PLANNING (continued)	
Performance charts Fuel planning Weight and balance Go/No-go decisions Alternate planning Filing flight plans—VFR COMMUNICATIONS Filight Stavice Stations Filight Watch—122.0 Center—frequencies Unicom, Multi-com Emergency—121.5 Position reporting SPECIAL EMPHASIS Aeronautical Decision Making (ADM) Land and Hold Short Operations Controlled Flight Into Terrain RUNWAY INCURSION avoidance Wake turbulence/Wind shear Positive transfer of controls Collision avoidance Ling conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Dead reckoning	
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Weight and balance Go/No-go decisions Alternate planning Filing flight plans—VFR COMMUNICATIONS Flight Service Stations Flight Watch—122.0 Center—frequencies Unicom, Mult-com Emergency—121.5 Position reporting SPECIAL EMPHASIS Aeronautical Decision Making (ADM) Land and Hold Short Operations Controlled Flight Into Terrain RUNWAY INCURSION avoidance Wake turbulence/Wind shear Positive transfer of controls Collision avoidance Ling conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Performance charts	
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		Land and Hold Short Operations	
Wake turbulence/Wind shear Positive transfer of controls Collision avoidance Icing conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Controlled Flight Into Terrain	
Positive transfer of controls Collision avoidance Icing conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		RUNWAY INCURSION avoidance	
Collision avoidance Licing conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Wake turbulence/Wind shear	
lcing conditions awareness SRM COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Positive transfer of controls	
COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Collision avoidance	
COMPLETION STANDARDS This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		Icing conditions awareness	
This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.		SRM	
This lesson will be complete when the student's knowledge of all items listed rates a grade of 2 or better.			
Instructor Student Date	This lesson will be comp	blete when the student's knowledge of all items listed rates a grade of 2 or better.	
	Instructor	Student	Date

Hours	

Total

STAGE ONE—Lesson 2 <u>Dual Aircraft</u> NAVIGATION REVIEW

OBJECTIVE: To review the student's ability to navigate using GPS navigation. **TIME**: As required.

PREFLIGHT I	BRIEFING	<u> </u>				BASIC	MANEUVERS	<u>s</u>			
		Cockpit Re	source mana	gement							
		VOR positi	on finding					_	— with turns		
		VOR radial	I intercepting					_ Level-d	off from climb		
		VOR radial	l tracking					_ Cruise	—scanning		
		RNAV/GPS	S navigation						nt & level, leve		
			3					_	al attitude rec	covery	
STARTUP								_	checks		
		Engine sta	rt			RADIO	O NAVIGATION		ocition finding	a trookina i	ntorconting
		Comm radi	io setup						osition finding	-	
		VOR setup)						n passage ide	-	ntcroopting
		RNAV/GPS	S setup						panel, all ma		ove
TAKEOFF/CL	<u>IMB</u>					BASIC	MANEUVERS		, ,		
		Takeoff						Deces	nto with tur		
		Takeoff cle	arance					_	nts— with tur off from desce		
		Takeoff—n	ormal, xwind	steen					nent approacl		I
			ern departure						nent approacl		
		Tranic patt	erri departure	•		POST	FLIGHT				
								_ Debrie	f		
								_ Update	e syllabus and	d logbook	
<u>COMPLETION</u>	N STAND	<u>ARDS</u>									
The student w	ill be able	to perform a	ıll maneuvers	and achiev	e a grade of 3	or hetter (on each task				
Instructor	iii be abie	to periorii a	Student		re a grade or z	or bottor v	Date	А	cft Type	N #	
			_								
			_								
	Dual Day	Dual Night	Dual X-Ctry	Dual Inst	Dual FTD	Solo Day	Solo Night	Solo/PIC X-Ctry	Total Solo/PIC	Total Acft	Total Inst/FTD
Previous											
This Lesson											

Hours	

STAGE ONE—Lesson 3 <u>Solo or PIC Aircraft</u> VFR CROSS-COUNTRY FLIGHT TRAINING

 $\begin{tabular}{ll} \textbf{OBJECTIVE:} & The student will refine cross-country piloting skills. \\ \textbf{TIME:} & As required. \\ \end{tabular}$

PREFLIGHT BRIEFING (student briefs instructor) **TAKEOFF** Discussion of this lesson Takeoff **ADM** Takeoff clearance LAHSO Takeoffs—normal, crosswind, steep **CFIT** Climbs-with turns **RUNWAY INCURSION avoidance** Pattern departure Wake turbulence/wind shear **BASIC MANEUVERS** Collision avoidance Level-off from climb procedure **EMERGENCY PROCEDURES (ORAL REVIEW)** Cruise Straight & level Checklist usage Turns to headings Fire-startup, engine or electrical in-flight, Engine checks/traffic checks cabin, wing **NAVIGATION** Icing-structural in-flight, static port blockage, carb ice Open flight plan Course intercepting, tracking Engine failure—takeoff, after takeoff, inflight, Radar services Electrical malfunctions Pilotage, Dead Reckoning Off airport emergency landings Navigation log completion **PREFLIGHT** Diversion and lost procedures Cockpit **BASIC MANEUVERS** Certificates & Documents—ARROW Descent Preflight inspection Descents with turns Aircraft servicing Level-offs from descents **STARTUP LANDING** Engine start Approach—location, communication Approach—tower, no tower Comm radio setup Pattern entry VOR, RNAV/GPS setup Landing **TAXI (IF APPLICABLE)** Landing clearance Taxi Stabilized approach Taxi clearance Go arounds Hover check Landings—normal, crosswind, steep Traffic awareness Positive aircraft control

Hours	i

STAGE ONE—Lesson 3 <u>Solo or PIC Aircraft</u> VFR CROSS-COUNTRY FLIGHT TRAINING

LANDING	(continued)										
		Touchdown	ı								
		Taxi cleara	nce								
		✓ Taxi									
		Taxi—wind	, speed, haza	ards, hover,	air						
		✓ Shu	tdown								
POSTFLIGI	<u>HT</u>										
		Postflight in	spection of a	aircraft							
		Close flight	plan								
		Debrief									
		Update syll	abus and log	jbook							
COMPLETI This lesson			ie student ca	ın achieve a	grade of 2 o	r better on a	ll tasks.				
Instructor	·		Studen				Date	A	cft Type	N #	
	Dual	Dual	Dual	Dual	Dual	Solo	Solo	Solo/PIC	Total	Total	Total
	Day	Night	X-Ctry	Inst	FTD	Day	Night	X-Ctry	Solo/PIC	Acft	Inst/FTD
Previous											
This Lesson											

Hours	

STAGE ONE—Lesson 4 Dual Aircraft

CROSS-COUNTRY FLIGHT TRAINING (2hr day X-Ctry)

OBJECTIVE: The student will plan and fly day cross-country flights; one of which will be at least 2 hours in duration and have one leg of at least 50 nm between points on the flight.

TIME: As required.

PREFLIGHT BRIEFING		BASIC MANEUVERS	
	Discussion of this lesson		✓ Climbs with turns
	Aeronautical Decision Making (ADM)		
	LAHSO		Level-off from climb procedure
	CFIT		✓ Cruise
	RUNWAY INCURSION avoidance		Straight & level
	Wake turbulence/wind shear		Turns to headings
	Positive transfer of controls		Engine checks/traffic checks
	Collision avoidance	NAVIGATION	-
	✓ Emergency Procedures (Briefing)		Open flight plan
	Fire—startup, engine or electrical in-flight, cabin, wing		Course intercepting, tracking—VOR/GPS
	lcing—structural in-flight, static port blockage,		Pilotage, dead reckoning
	carb ice		Ground speed calculation
	Electrical—over-voltage light, ammeter dis-		Navigation log usage
PREFLIGHT	charge		Diversion and lost procedures
PREFEIGHT	✓ Cockpit	✓ <u>EMERGENCY P</u>	ROCEDURES (Practical Review)
	Certificates & Documents—ARROW		Engine failure—takeoff, after takeoff, inflight
			Forced landings—power, no power
	✔ Preflight inspection	BASIC MANEUVERS	r cross randings power, no power
	Aircraft servicing	BAGIO MANEOVERO	
STARTUP			Descent
	✓ Engine start		Descents with turns
	Comm radio setup		Level-off from descent
	VOR setup	LANDING	
	RNAV/GPS setup		Approach—location, communication
TAXI—(IF APPLICABLI	<u>=)</u>		Approach—tower, no tower
	✓ Taxi		Pattern entry, if appropriate
	Taxi clearance		✓ Landing
	Hover check		Landing clearance
	Traffic awareness		Stabilized approach
<u>TAKEOFF</u>			✓ Go arounds
	✓ Takeoff		• Go alounus
	Takeoff clearance		
	Takeoff—normal, crosswind, steep		
	Pattern departure		

Hours	

STAGE ONE—Lesson 4 <u>Dual Aircraft</u> CROSS-COUNTRY FLIGHT TRAINING (2hr day X-Ctry)

LANDING (continued)										
		Landings—	-normal, cros	swind, steep)						
		Positive air	craft control								
		Touchdowr	า								
		Taxi cleara	nce								
		✓ Tax	i								
		✓ Shu	tdown								
POSTFLIGH	<u>IT</u>										
		Postflight in	nspection of a	aircraft		F	_			1	
		Close flight				Cross-Cou	untry Route			Dist	ance
		Debrief/Up	date syllabus	and logboo	k						
This lesson v	will be comp	olete when th	student car		2 or better o	on all tasks.	Date	A 	cft Type	N#	
	Dual Day	Dual Night	Dual X-Ctry	Dual Inst	Dual FTD	Solo Day	Solo Night	Solo/PIC X-Ctry	Total Solo/PIC	Total Acft	Total Inst/FTD
Previous											
This Lesson											
Total											

Hours	

STAGE ONE—Lesson 5 <u>Dual Aircraft</u> NIGHT CROSS-COUNTRY FLIGHT TRAINING (2hr night X-Ctry) OBJECTIVE: The student will plan and fly night cross-country flights; one of which will be

at least 2 hours in duration and have <u>one leg of at least 50 nm between points</u> on the flight. **TIME**: As required

PREFLIGHT BRIEFI	<u>NG</u>	TAXI—(IF APPLICABI	E)
	_ Discussion of this lesson	TAXI—(IF AFFLICADI	<u>/</u>
	_ ADM and risk management		✓ Taxi
	_ LAHSO		Taxi clearance
	_ CFIT/Wire strike avoidance		Hover check
	_ RUNWAY INCURSION avoidance		Traffic awareness
	_ Wake turbulence/wind shear avoidance	TAKEOFF	
	_ Checklist usage		✓ Takeoff
	_ Positive transfer of controls		, randon
	_ TFRs		Takeoff clearance
	Collision avoidance		Takeoffs—normal, crosswind, steep
	_ Aviation security		Pattern departure
	_ SRM	BASIC MANEUVERS	
EMERGENCY PRO	CEDURES (ORAL REVIEW)		✓ Climbs with turns
	_ Engine failure—takeoff, after takeoff, inflight		Level-off from climb procedure
	_ Forced landing—power, no power		✓ Cruise
	Fire—startup, engine or electrical in-flight, cabin		Straight & level
	lcing—structural in-flight, static port blockage, carb ice		Turns to headings Engine checks/traffic checks
	Electrical malfunctions	NAVIGATION	
PREFLIGHT			Open flight plan
	_ ✓ Cockpit		Course intercepting, tracking—VOR/GPS
	_ Certificates & Documents—ARROW		Pilotage, Dead Reckoning
	✓ Preflight inspection		Ground speed calculation
	_ Aircraft servicing		Navigation log usage
STARTUP			Diversion and lost procedures
	✓ Engine start	BASIC MANEUVERS	
	Comm radio setup		✓ Descent
	VOR setup		Descents with turns
	RNAV/GPS setup		Level-offs from descents

	Hours	ST/ NIG

STAGE ONE—Lesson 5 *Dual Aircraft* NIGHT CROSS-COUNTRY FLIGHT TRAINING

Approach—loxed not communication Approach—tower, no tower Patter metry, if appropriate Landing clearance Stabilized approach Landing generate Cross-Country Route Distance Acrit Type N# Date Acrit Type N# Dual Dua	LANDING						POST	FLIGHT				
Pattern entry, if appropriate Landing Landing clearance Stabilized approach Go arounds Landings—hover, set down Touchdown Taxi clearance Taxi—wind, speed, hazards, hover, air Shutdown COMPLETION STANDARDS COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Debrief Update syllabus and logbook Cross-Country Route Distance Cross-Country Route Dist			Approach—	location, cor	nmunicatior	า			Postfli	ght inspection	of aircraft	
Update syllabus and logbook Landing clearance Stabilized approach Go arounds Landings—hover, set down Touchdown Taxi clearance ✓ Taxi Taxi—wind, speed, hazards, hover, air ✓ Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Dual Dual Dual Dual Dual Dual Dual Dual			Approach—	tower, no to	wer				Close	flight plan		
Landing clearance Stabilized approach Go arounds Landings—hover, set down Touchdown Taxi clearance Taxi—wind, speed, hazards, hover, air Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Dual D		F	Pattern entr	y, if appropri	iate							
Stabilized approach Go arounds Landings—hover, set down Touchdown Taxi clearance Taxi—wind, speed, hazards, hover, air Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Dual Dual Dual Dual Day Night			✓ Land	ling					Updat	e syllabus and	d logbook	
COMPLETION STANDARDS COMPLETION STANDARDS This Lesson Dual Day Night X-Ctry Inst FTD Day Night X-Ctry Solo/PIC Acft Inst/FTD Previous Landings—hover, set down Touchdown Taxi clearance Taxi Taxi Taxi Taxi Shutdown COMPLETION STANDARDS This Lesson Dual Dual Dual Dual Dual Dual Dual Dual		L	anding cle	arance			-		<u> </u>			
Landings—hover, set down Touchdown Taxi clearance ✓ Taxi Taxi—wind, speed, hazards, hover, air ✓ Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Dual Dual Dual Dual Dual Dual Dual Dua		8	Stabilized a	pproach			Cross-C	ountry Route			Dist	ance
Touchdown Taxi clearance ✓ Taxi Taxi—wind, speed, hazards, hover, air ✓ Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Date Acft Type N # Dual Dual Dual Dual Dual Dual Dual Dual			✓ Go a	rounds								
Taxi clearance Taxi Taxi Taxi—wind, speed, hazards, hover, air Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Date Acft Type N # Dual Dual Dual Dual Dual Night X-Ctry Night X-Ctry Solo/Pic Acft Inst/FTD Previous		L	.andings—	hover, set do	own							
Taxi Taxi—wind, speed, hazards, hover, air Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Dual Dual Dual Dual Dual Night X-Ctry Day Night Night Night Night N-Ctry Solo/Pic Acft Inst/FTD Previous This Lesson		Т	ouchdown									
Taxi—wind, speed, hazards, hover, air Shutdown COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Date Acft Type N # Dual Dual Dual Dual Dual Dual Dual Dua		T	axi clearar	nce								
COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Date Acft Type N # Dual Dual Dual Dual Dual Solo Solo/PIC Total Total Inst/FTD Previous Instructor Solo/PIC Total Inst/FTD Previous Instructor Instructor Instructor Inst/FTD Day Night X-Ctry Solo/PIC Acft Inst/FTD			✓ Taxi									
COMPLETION STANDARDS This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Date Acft Type N # Dual Dual Dual Dual Day Night X-Ctry Day Night X-Ctry Day Night X-Ctry Day Night Dual Day Night Night N-Ctry Day Night N-Ctry		Т	axi—wind,	speed, haza	ards, hover,	air						
This lesson will be complete when the student can achieve a grade of 2 or better on all tasks. Instructor Student Date Acft Type N # Dual Dual Dual Day Night Night			✓ Shut	down								
Instructor Student Date Acft Type N # Dual Dual Day Dual Day Dual Night Dual Day Night Night N-Ctry Day Dual Day Night Night N-Ctry Day Dual Day Dual Day Night Night N-Ctry Day Dual Day Dual Day Night N-Ctry Day Dual Day Dual Day Dual Day Dual Day Night N-Ctry Day Dual Day				e student car	n achieve a	grade of 2 o	r hetter on a	II tasks				
Previous This Lesson		III 60 00111p.5	to wildir			yluu0 0, 2 0.	1 001101 011		A	Acft Type	N #	
Previous This Lesson												
Previous This Lesson												
Previous This Lesson				-								
Previous This Lesson										1 1 1 1		
This Lesson		Dual Day	Dual Night	Dual X-Ctry	Dual Inst	Dual FTD	Solo Day	Solo Night	Solo/PIC X-Ctry	Total Solo/PIC	Total Acft	Total Inst/FTD
Lesson	Previous											
Total	This Lesson											
	Total											

Hours

STAGE ONE—Lesson 6 CROSS-COUNTRY ORAL REVIEW

OBJECTIVE: The student will demonstrate practical knowledge of areas of cross-country

flight at the commercial pilot level. **TIME**: As required.

PILOT ASSESSMENT		PART 61 AND 91 (co	ntinued)
	Hypoxia, hyperventilation		Airspace 91.126—91.135
	Dehydration, fatigue		VFR minimums 91.155
	Alcohol, drugs, carbon monoxide		Special VFR 91.157
	Ear/sinus, vertigo, motion sickness		VFR cruise altitudes 91.159
	Emotional immature behavior		VFR flight plans 91.153
	High altitude operations		Operation of nav lights 91.209
	Oxygen requirements		Instr/equipment requirements 91.205
	Flight plan requirements		ELTs 91.207
WEATHER INFORMAT	<u>rion</u>		Inop equipment 91.213
	Current weather charts		тор очиртот от 210
	Forecast weather charts		Review Part 91 IFR regulations
	Winds aloft reports	<u>AIRSPACE</u>	
	METARs, TAFs, FA's		Traffic patterns—entry, exit, altitudes
	PIREPs, SIGMETs, AIRMETs		Class A, B, C, D, E, G airspace
	HIWAS		
<u>PUBLICATIONS</u>			TFRs, Special Use Areas (SUAs)
	Sectionals, WACs, TACs, IFR enroute charts		VFR/IFR cruising altitudes
	FAR/AIM		LAHSO
	Airport/Facility Directories	THE HELICOPTER	
	NOTAMs		ARROW
PART 61 AND 91			General
	Review part 61—currency, Commercial Pilot		Limitations
	Pilot in command 91.3		
	Operating limitations 91.9		Emergency procedures
	Reckless ops 91.13		Normal procedures
	Dropping objects 91.15		Performance
	Alcohol/Drugs 91.17		Weight and balance/equip list
	Preflight actions 91.103		Airworthiness Directives, Service Bulletins
	Seatbelts & harnesses 91.107		Inspections—Annuals/100s/50s
	Near other aircraft 91.111	SYSTEMS	
	Right-of-way rules 91.113	OTOTEMO	Ignition system
	Aircraft speeds 91.117		
	Minimum altitudes 91.119		Electrical system
			Cabin and carb heat systems
	Altimeter setting 91.121		Fuel system
	Light gun signals 91.125		•
	Fuel requirements 91.151		Oil system

Hours	STAGE ONE—Lesson 6 CROSS-COUNTRY ORAL REVIEW

t service stations t Watch—122.0 er—frequencies om, Multicom rgency—121.5
er—frequencies om, Multicom
om, Multicom
rgency—121.5
ion reporting
60
vay incursion avoidance
e turbulence/wind shear
ive transfer of controls
sion avoidance
Date



STAGE ONE—Lesson 7 <u>Dual Aircraftt</u> CROSS-COUNTRY STAGE CHECK

OBJECTIVE: The student will demonstrate the ability to plan and fly cross-country at

flights at the commercial pilot level. **TIME**: As required.

CROSS COUNTRY	Y ORAL BRIEFING	BASIC MANEUVERS	
	Discussion of this lesson	✓ Climbs	
	Weather/flight planning and filing	Level-off from climb	
	Notams/AFD		
	ADM and risk management	Cruise	
	Performance	Engine check/traffic check	
	Weight and balance	<u>NAVIGATION</u>	
	Flight log	Open flight plan	
	Chart interpretation	Communication procedures	
	Airspace/TFRs and SUA	VOR Course intercepting, tracking	
	FARs	GPS Course intercepting, tracking	
	Emergency procedures	Station passage recognition	
PREFLIGHT		Lost procedures	
FREI LIGITI		Loss of navigation systems	
	Cockpit—ARROW	Pilotage/dead reckoning	
	✔ Preflight inspection	Groundspeed calculation	
		Navigation log usage	
	Aircraft servicing	In-flight radio resources	
STARTUP		Diversion	
	Engine start	EMERGENCY PROCEDURES	
	Comm radio setup	Engine failure—takeoff, after takeoff, infl	light
	VOR setup	Forced landings—power, no power	Ü
	RNAV/GPS setup	BASIC MANEUVERS	
TAXI—(IF APPLIC	ABLE)	✓ Descents	
	V Taxi	Descents with turns	
	Taxi clearance	Level-offs from descents	
	Hover check	LANDING	
	Traffic awareness	Approach—location, communications	
<u>TAKEOFF</u>		Approach to airport—tower, no tower	
	✓ Takeoff	Pattern entry, if appropriate	
		✓ Landing	
	Takeoff clearance	Landing clearance	
	Takeoffs—normal, crosswind, steep	Stabilized approach	
	Pattern departure		

Hours	STAGE ONE—Lesson 7 <u>Dual Aircraft</u> CROSS-COUNTRY STAGE CHECK

LANDING (continued)					FLIG	FLIGHT PLAN ROUTE:					
		✓ Go a	around								
	<u> </u>	Landings—	hover, set do	own							
Touchdown Taxi clearance											
✓ Taxi											
		Taxi—wind	, speed, haza	ards, hover,	air						
		✓ Shu	tdown								
POSTFLIGH	т										
	- 	Postflight in	spection of a	aircraft							
Close flight plan											
		Debrief									
	·	Update syll	abus and log	book							
COMPLETION STANDARDS This lesson will be complete when the student can perform the student can perfor			form all maneuvers and achiev		_		all tasks. cft Type	N #	N #		
	Dual Day	Dual Night	Dual X-Ctry	Dual Inst	Dual FTD	Solo Day	Solo Night	Solo/PIC X-Ctry	Total Solo/PIC	Total Acft	Total Inst/FTD
Previous											
This Lesson											
Total											

(5)

(±50)

Hours						

STAGE ONE—Lesson 8 CROSS-COUNTRY STAGE CHECK CRITIQUE

Comments:								
Recommendati	ons:							
1	This Stage Check performance indicates that additional review is necessary.							
	 Do review lessons on all items marked "1" until your instructor indicates a satisfactory "2". 							
	Insert the review lesson sheets following this page.							
	Return to a check instructor for recheck.							
	Check Instructor	<u>Student</u>	<u>Date</u>					
			<u> </u>					
								
2	This Stage Check was performed in a satisfactory manner. Move on to the next stage.							
	Check Instructor	Student	<u>Date</u>					