

NORTH AERO - PRIVATE PILOT 5.1

Phase 2

Instruments, dual cross-country, night intro

Lessons 12 - 16

All 5 Phase 2 lesson plans as fillable instructor records:
one check per step, ACS and Part 61 references, and a single
debrief and sign-off per lesson.

Lesson 12. Instrument Work, Compass, Unusual Attitudes, Short Field

Pre-Flight: 1.0 hr | Flight Time: 1.5 hr | Post-Flight: 0 hr

STUDENT	DATE		INSTRUCTOR
AIRCRAFT	N41459 Warrior	N1302B Luscombe	Ground only
FLIGHT TIME	GROUND TIME		

OBJECTIVE

Student develops instrument flying proficiency under the hood including compass turns, unusual attitude recovery. Introduction to short-field operations. Practice requesting and using radar services (flight following).

LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

Preflight discussion - Student directs

PA.I.H PA.I.A PA.I.B

Preflight inspection - Do

PA.II.A

Engine start and taxi - Do

PA.II.C PA.II.D

Pre-takeoff check - Do

PA.II.F

Radio communications and request flight following - Do

PA.III.A PA.VIII.F

Straight-and-level flight (hood) - Practice

PA.VIII.A

Constant airspeed climbs (hood) - Practice

PA.VIII.B

Constant airspeed descents (hood) - Practice

PA.VIII.C

Turns to headings using magnetic compass (hood) - Directed performance

PA.VIII.D

Recovery from unusual flight attitudes (hood) - Directed performance

PA.VIII.E

Short-field takeoff and climb - Demonstration and directed performance

PA.IV.E

Short-field approach and landing - Demonstration and directed performance

PA.IV.F

Forward slip to a landing - Practice

PA.IV.M

Radar services practice (flight following for entire flight) - Practice

PA.VIII.F

Normal approach and landing - Do

PA.IV.B

ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- View-limiting device (hood/foggles)

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

Lesson 13. First Dual Cross-Country

Pre-Flight: 2.5 hr | Flight Time: 2.5 hr | Post-Flight: 0 hr

STUDENT	DATE	INSTRUCTOR
AIRCRAFT	N41459 Warrior	N1302B Luscombe
FLIGHT TIME	GROUND TIME	Ground only

OBJECTIVE

Student plans and executes first dual cross-country flight. Practices pilotage, dead reckoning, VOR/GPS navigation, flight following, and unfamiliar airport operations. All 61.93(e) XC training items introduced.

LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

Cross-country flight planning (complete nav log, W&B, fuel) - Do

PA.I.D PA.I.F 61.93(e)(1)

Weather briefing and NOTAM review - Do

PA.I.C 61.93(e)(2)

Preflight inspection - Do

PA.II.A PA.I.A PA.I.B

Engine start and taxi - Do

PA.II.C PA.II.D

Pre-takeoff check - Do

PA.II.F

Request flight following on departure - Do

PA.VIII.F 61.93(e)(7)

Normal takeoff and climb - Do

PA.IV.A

Pilotage and dead reckoning (checkpoint tracking) - Directed performance

PA.VI.A 61.93(e)(3)

VOR/GPS navigation and course tracking - Directed performance

PA.VI.B 61.93(e)(4)

Airspace identification enroute - Do

PA.I.E 61.93(e)(6)

Communications with ATC (frequency changes, handoffs) - Do

PA.III.A 61.93(e)(7)

Unfamiliar airport entry and landing - Directed performance

PA.IV.B 61.93(e)(8)

Fuel management check - Do

61.93(e)(5)

Departure from unfamiliar airport - Do

PA.IV.A 61.93(e)(9)

Return leg navigation - Practice

PA.VI.A PA.VI.B

Normal approach and landing - Do

PA.IV.B

ITEMS NEEDED FOR SUCCESS

- Completed nav log
- Sectional Chart
- Plotter
- E6B/CX3
- Weather briefing printout
- Airport Facility Directory
- W&B worksheet

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

Lesson 14. Dual Triangular Cross-Country

Pre-Flight: 2.5 hr | Flight Time: 3.0 hr | Post-Flight: 0 hr

STUDENT	DATE		INSTRUCTOR
AIRCRAFT	N41459 Warrior	N1302B Luscombe	Ground only
FLIGHT TIME	GROUND TIME		

OBJECTIVE

Student plans and executes triangular XC with multiple stops. Practices lost procedures, diversion (building on Real Pickle scenario), and radar services. Go-around practice at unfamiliar airport. Meets most remaining 61.93(e) requirements.

LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

Cross-country planning (triangular route, nav log, W&B) - Do

PA.I.D PA.I.F 61.93(e)(1)

Weather briefing and analysis - Do

PA.I.C 61.93(e)(2)

Preflight inspection - Do

PA.II.A PA.I.A PA.I.B

Engine start and taxi - Do

PA.II.C PA.II.D

Request flight following - Do

PA.VIII.F 61.93(e)(7)

Normal takeoff and climb - Do

PA.IV.A

Pilotage and dead reckoning (first leg) - Practice

PA.VI.A 61.93(e)(3)

VOR/GPS navigation and course corrections - Practice

PA.VI.B 61.93(e)(4)

Simulated lost procedure exercise - Directed performance

PA.VI.D 61.93(e)(12)

Go-around at unfamiliar airport - Practice

PA.IV.N

Landing at first intermediate airport - Practice

PA.IV.B 61.93(e)(8)

Departure and second leg navigation - Do

PA.VI.A 61.93(e)(9)

Diversion practice (simulated weather, building on Real Pickle) - Directed performance

PA.VI.C

Fuel management and awareness - Do

61.93(e)(5)

Airspace transitions - Do

PA.I.E 61.93(e)(6)

Radar services (handoffs, frequency changes) - Practice

PA.VIII.F

Return and normal approach/landing - Do

PA.IV.B

ITEMS NEEDED FOR SUCCESS

- Completed nav log (triangular)
- Sectional Chart
- Plotter
- E6B/CX3
- Weather briefing
- Airport Facility Directory
- W&B worksheet

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

Lesson 15. Short/Soft Field, Emergency Procedures, XC Emergencies

Pre-Flight: 1.0 hr | Flight Time: 1.5 hr | Post-Flight: 0 hr

STUDENT	DATE	INSTRUCTOR
AIRCRAFT	N41459 Warrior	N1302B Luscombe
FLIGHT TIME	GROUND TIME	Ground only

OBJECTIVE

Student practices short-field and soft-field operations to near-ACS standard. Emergency descent to ACS standard. Emergency equipment and survival gear review. XC emergency scenarios.

LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

Preflight discussion including emergency equipment review - Do

PA.I.H PA.IX.D 61.93(e)(10)(11) PA.I.A PA.I.B

Preflight inspection with focus on emergency equipment location - Do

PA.II.A

Engine start and taxi - Do

PA.II.C PA.II.D

Pre-takeoff check - Do

PA.II.F

Radio communications - Do

PA.III.A

Soft-field takeoff and climb - Practice

PA.IV.C

Soft-field approach and landing - Practice

PA.IV.D

Short-field takeoff and maximum performance climb - Practice

PA.IV.E

Short-field approach and landing - Practice

PA.IV.F

Forward slip to a landing - Practice

PA.IV.M

Emergency descent to ACS standard - Practice

PA.IX.A 61.93(e)(4)

Emergency approach and landing (simulated) - Practice

PA.IX.B

Systems and equipment malfunctions (XC scenarios) - Practice

PA.IX.C

Emergency equipment and survival gear review - Directed performance

PA.IX.D

Steep turns review - Do

PA.V.A

Slow flight review - Do

PA.VII.A

Normal approach and landing - Do

PA.IV.B

ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- Emergency equipment checklist
- Aircraft POH (emergency procedures section)

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE

Lesson 16. Night Flight: Local Area and Landings

Pre-Flight: 1.0 hr | Flight Time: 1.5 hr | Solo: 0.5 hr

STUDENT	DATE		INSTRUCTOR
AIRCRAFT	N41459 Warrior	N1302B Luscombe	Ground only
FLIGHT TIME	GROUND TIME		

OBJECTIVE

First night flight lesson. Student becomes familiar with night environment, night preflight, night illusions, and night takeoffs/landings. Go-around practice at night. Meets partial 61.109(a)(2) night requirements.

LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

Preflight discussion: night flying rules, physiology, illusions - Do

PA.I.H PA.XI.A PA.I.A PA.I.B

Night preflight inspection (flashlight inspection, lighting check) - Directed performance

PA.II.A PA.XI.A

Engine start with cockpit lighting setup - Do

PA.II.C

Night taxi procedures - Directed performance

PA.II.D

Pre-takeoff check - Do

PA.II.F

Radio communications - Do

PA.III.A

Night takeoff and departure - Directed performance

PA.IV.A PA.XI.A

Local area familiarization at night (visual references, landmarks) - Directed performance

PA.XI.A

Steep turns at night - Practice

PA.V.A

Night traffic pattern operations - Directed performance

PA.III.B PA.XI.A

Night normal approach and landing (multiple) - Directed performance

PA.IV.B PA.XI.A

Night go-around - Directed performance

PA.IV.N

Night emergency procedures discussion - Directed performance

PA.IX.C

Solo night takeoffs and landings (minimum 3) - Do

PA.IV.A PA.IV.B PA.XI.A

After landing, parking, and securing - Do

PA.XII.A

ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- Flashlight (red lens)
- Extra batteries
- Cockpit lighting check

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE