

Lesson 20. Navigation and cross-country flight planning

Ground 1.0 hr | Dual 0 hr | ACS AI.II.I

CFI CANDIDATE		DATE	SUPERVISING INSTRUCTOR	
AIRCRAFT	N41459 Warrior	Ground only	FLIGHT TIME	GROUND TIME

OBJECTIVE

The candidate teaches a student to plan a cross-country and, more importantly, to know what to do when the plan stops matching the world.

LESSON STEPS: THE ELEMENTS, IN TEACHING ORDER

Check each element as it is taught. Leave anything not done blank. Sign once at the bottom.

- Route selection, and teaching a student to choose rather than to accept a magenta line
AI.II.I
- Pilotage and dead reckoning, and why they are still taught
AI.II.I
- The navigation log: what it is for, and the parts a student will actually use in flight
AI.II.I
- Fuel planning and reserves, from the airplane's own material
AI.II.I 91.151
- Weather and NOTAM gathering for the route, and preflight action
91.103
- Diversion and lost procedures, taught as a decision rather than a formula
AI.II.I
- Teaching the student's first solo cross-country: what to check before signing
61.93
- Candidate teaches an assigned element to the Simulated Student
US-4.1

COMPLETION STANDARDS

- The candidate teaches an assigned element for about ten minutes.
- The candidate makes a diversion decision from an in-flight scenario, states the reasoning, and says what they would have a student do differently.
- The candidate states fuel reserve requirements from the regulation and North Aero's own figure, and says which is which.
- The candidate addresses the app-only student by naming a specific failure rather than by asserting that paper is better.
- The candidate states what they must verify before endorsing a first student solo cross-country, from 61.93.
- The candidate delivers a self-critique before hearing the instructor's.

DEBRIEF AND SIGN-OFF

Critique: the error, its probable cause, and the correction. Candidate self-critique first.

Sign once for the whole lesson. Elements left unchecked above were not taught this session.

SUPERVISING INSTRUCTOR SIGNATURE / INITIALS

DATE