

Lesson 16. Human factors and aeromedical factors

Ground 0.75 hr | Dual 0 hr | ACS AI.II.A

CFI CANDIDATE

DATE

SUPERVISING INSTRUCTOR

AIRCRAFT

N41459 Warrior

Ground only

FLIGHT TIME

GROUND TIME

OBJECTIVE

The candidate teaches aeromedical factors as things that happen to a specific student on a specific flight, and can recognize one developing in a student who has not said anything.

LESSON STEPS: THE ELEMENTS, IN TEACHING ORDER

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

1. Fitness to fly, and the IMSAFE style self-assessment as a teachable habit

AI.II.A FAA-H-8083-25C

2. Hypoxia, hyperventilation, and carbon monoxide

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3. Spatial disorientation and the vestibular illusions

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4. Visual illusions, including those on approach

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5. Motion sickness, dehydration, fatigue, stress, and their effect on a lesson

AI.II.A FI.I.A.K2

6. Medications, alcohol, and scuba

AI.II.A 91.17

7. Recognizing a factor in a student who has not reported it

FI.I.F.R3

8. Candidate teaches an assigned factor to the Simulated Student

US-4.1

COMPLETION STANDARDS

1. The candidate teaches an assigned aeromedical factor to the Simulated Student for about eight minutes, including what it looks like in flight and what the pilot does about it.
2. The candidate notices the Simulated Student's unreported condition during the lesson, or identifies it when asked at the debrief.
3. The candidate states what they would do in the airplane on noticing it, including whether the lesson continues.
4. The candidate names two observable behaviors that would suggest a student is affected without having said so.
5. 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