
Visual Scanning and Collision Avoidance

Aviation Instructor's Lesson Plan

OBJECTIVE This lesson will develop the student's knowledge of visual scanning and collision avoidance procedures.

- ELEMENTS**
- Relationship between a pilot's physical condition and vision
 - Environmental conditions that degrade vision
 - Vestibular and visual illusions
 - "See and avoid" concept
 - Proper visual scanning procedure
 - Relationship between poor visual scanning habits and increased collision risk
 - Proper clearing procedures
 - Importance of knowing aircraft blind spots
 - Relationship between aircraft speed differential and collision risk
 - Situations that involve the greatest collision risk

- REFERENCE**
- The Flight Instructor's Kit***
- Area of Operation 2, Task A: Aeromedical Factors
 - Area of Operation 2, Task B: Visual Scanning and Collision Avoidance

COMPLETION STANDARDS The student should be able to demonstrate effective visual scanning and collision avoidance procedures. The student should also use visual scanning techniques to clear the area before and while performing maneuvers.