EO C331.01 – REVIEW PRINCIPLES OF FLIGHT

1. **Performance.** Review Principles of Flight.

2. **Conditions**

   a. Given:

      (1) Supervision, and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Classroom or training area large enough to accommodate the entire group.

3. **Standard.** The cadet shall review principles of flight, to include:

   a. the axes of an aircraft, and

   b. the effects of control surfaces on attitudes and movements.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Review the three axes of an aircraft, to include: a. longitudinal axis, b. lateral axis, and c. vertical (normal) axis.	In-Class Activity	5 min	C3-116 (p. 30)
TP2	As a member of a group, have the cadet describe a control surface and its effects on attitudes and movements.	In-Class Activity	20 min	C3-116 (p. 30)

5. **Time**

   a. Introduction/Conclusion: 5 min

   b. In-Class Activity: 25 min

   c. Total: 30 min

6. **Substantiation.** An in-class activity was chosen for this lesson as an interactive way for the cadets to review the three axes of an aircraft and control surfaces.

7. **References.** C3-116 (ISBN 0-9680390-5-7) MacDonald, A. F., & Peppler, I. L. (2000). *From the Ground Up: Millennium Edition*. Ottawa, ON: Aviation Publishers Co. Limited.

8. **Training Aids**

   a. Presentation aids (eg, whiteboard/flip chart/OHP/multimedia projector) appropriate for the classroom/training area, and

   b. Model airplane with the three axes labelled.

9. **Learning Aids**

   a. Handout,

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b. Flip chart, and

c. Flip chart markers.

10. **Test Details.** N/A.

11. **Remarks.** If this complementary EO is chosen, it should be scheduled before any other EOs from PO 331 (Describe Principles of Flight).

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