EO M432.01 – DESCRIBE FUEL SYSTEMS

1. **Performance**: Describe Fuel Systems
2. **Conditions**:
   a. Given:
      (1) Supervision, and
      (2) Assistance as required.
   b. Denied: Nil.
   c. Environmental: Classroom or training area large enough to accommodate the entire group.
3. **Standard**: The cadet shall describe fuel systems, to include:
   a. carburetors, and
   b. fuel injection.
4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Describe fuel systems.	Interactive Lecture	10 min	C3-116 (pp. 59–61)
TP2	Describe carburetors.	Interactive Lecture	10 min	C3-116 (pp. 61–68)
TP3	Describe fuel injection.	Interactive Lecture	5 min	C3-116 (pp. 68–69)

5. **Time**:

a.	Introduction / Conclusion:	5 min
b.	Interactive Lecture:	25 min
c.	Total:	30 min

6. **Substantiation**: An interactive lecture was chosen for this lesson to clarify, emphasize, and summarize fuel systems.
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**: Presentation aids (eg, whiteboard / flip chart / OHP / multimedia projector) appropriate for the classroom / training area.
9. **Learning Aids**: Nil.
10. **Test Details**: This EO is assessed IAW Chapter 3, Annex B, Aviation Subjects–Combined Assessment PC.
11. **Remarks**: Cadets who are qualified Advanced Aviation may assist with this instruction.

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