



INTRODUCTION

This syllabus has been prepared to serve as a general outline to assist you while you attend the Mooney training course at Flight Training Inc. Normally it serves as a guide for the instructor, but deviations will occur. Occasionally changes must be made due to unforeseen circumstances to accommodate training in the most effective manner.

This syllabus includes the following phases:

1. Academic Training

The academic training includes a one and one-half day, twelve-hour classroom based course to familiarize the trainee with technical descriptions, limitations, normal, abnormal and emergency operations of various aircraft systems.

2. Flight Training

Flight training in the trainee's aircraft is accomplished during four, two-hour periods to practice the operations covered during academic training.

3. Course Completion Requirements



COURSE OUTLINE

<u>DAY</u>	<u>MODULE</u>	<u>SUBJECT</u>
1	1	Orientation Systems
2	2	Weight and Balance Performance
	3	Emergency Procedures Review Examination
	4	Flight Training
3	5	Flight Training
	6	Flight Training
4	7	Flight Training



ACADEMIC LESSON GUIDE

MODULE 1

<u>Item</u>	<u>Topic</u>
1.	Orientation
2.	Systems <ol style="list-style-type: none">a. Fuelb. Induction Airb.1 Turbocharger (if appropriate)c. Propellerd. Vacuume. Environmental Airf. Electricalg. Flight Controlsh. Landing Geari. Flapsj. Speed Brakesk. Optional Systems

MODULE 2

<u>Item</u>	<u>Topic</u>
1.	Weight and Balance
2.	Performance

MODULE 3

<u>Item</u>	<u>Topic</u>
1.	Emergency Procedures
2.	Academic Review
3.	Examination
4.	Examination Review



FLIGHT TRAINING OUTLINE

MODULE 4

A. OBJECTIVE

The objective of this training period is to practice basic aircraft operation and flight procedures.

B. CONTENT

1. Briefing - Primary lesson objectives discussion.
 - a) Weight and balance calculation.
 - b) Takeoff and Landing distance calculation.
 - c) Preflight inspection.
 - d) Wake turbulence planning.
 - e) Takeoff and area departure procedure.
 - f) Airwork with normal and steep turns.
 - g) Slow flight; approach to stall (MCA), and go-around procedures.
 - h) Traffic patterns and landings including normal, crosswind, no flap, and aborted.
 - i) Avionics equipment operation.
2. Flight training to proficiency on briefed items.
3. Debriefing - Discuss trainee's performance and knowledge concerning:
 - a) Before flight preparations.
 - b) Airwork.
 - c) Traffic patterns and landing procedures.
 - d) Wake turbulence.
 - e) Avionics equipment operation.



FLIGHT TRAINING OUTLINE (VFR)

MODULE 5

A. OBJECTIVE

The objective of this training period is to allow the non-instrument rated pilot additional practice time on aircraft and avionics equipment operations.

B. CONTENT

1. Briefing - Primary lesson objectives discussion.
 - a) Review necessary procedures for completion from flight training period one as desired.
 - b) Review aircraft avionics equipment operation.
2. Flight training to proficiency on briefed items.
3. Debriefing - Discuss trainee's performance and knowledge concerning:
 - a) Normal and abnormal operation of the aircraft and aircraft systems.
 - b) Installed avionics equipment operation.



FLIGHT TRAINING OUTLINE (IFR)

MODULE 5

A. OBJECTIVE

The objective of this training period is to practice proper operation of the aircraft and installed equipment in the IFR environment.

B. CONTENT

1. Briefing - Primary lesson objectives discussion.
 - a) IFR flight planning procedures.
 - b) Instrument departure procedures.
 - c) Enroute and approach procedures.
 - d) Holding patterns.
 - e) Avionics equipment use in IFR operations.
2. Flight training to proficiency on briefed items.
3. Debriefing - Discuss trainee's performance and knowledge concerning:
 - a) Instrument procedures.
 - b) Avionics equipment operation.



FLIGHT TRAINING OUTLINE

MODULE 6

A. OBJECTIVE

The objective of this training period is to allow the pilot additional practice time on aircraft and avionics equipment operations.

B. CONTENT

1. Briefing - Primary lesson objectives discussion.
 - a) Review necessary procedures for completion from previous flight training periods as desired.
 - b) Review aircraft avionics equipment operation.
2. Flight training to proficiency on briefed items.
3. Debriefing - Discuss trainee's performance and knowledge concerning:
 - a) Normal and abnormal operation of the aircraft and aircraft systems.
 - b) Installed avionics equipment operation.



FLIGHT TRAINING OUTLINE

MODULE 7

A. OBJECTIVE

The objective of this training period is to allow the pilot additional practice time on aircraft and avionics equipment operations.

B. CONTENT

1. Briefing - Primary lesson objectives discussion.
 - a) Review necessary procedures for completion from previous flight training periods as desired.
 - b) Review aircraft avionics equipment operation.
2. Flight training to proficiency on briefed items.
3. Debriefing - Discuss trainee's performance and knowledge concerning:
 - a) Normal and abnormal operation of the aircraft and aircraft systems.
 - b) Installed avionics equipment operation.



COURSE COMPLETION REQUIREMENTS

The following items will be completed in the aircraft as appropriate. Satisfactory completion must be to the level of the pilot certificate held by the trainee. VFR completion will be given to instrument rated pilots who do not satisfactorily complete items 3 and 4 below. All trainee's will be offered additional training time as necessary to achieve satisfactory levels of completion.

1. Basic instrument airwork (straight and level, climbs and descents, standard rate turns).
2. Partial panel flight (failed attitude indicator).
3. Holding pattern procedures. (if appropriate to ratings)
4. Instrument approach procedures (precision and non-precision) including one circling approach. (if appropriate to ratings)
5. Missed approach procedures.
6. VFR airwork (slow flight, approach to stalls, medium and steep bank turns).
7. Traffic patterns with landings to include normal, short field, no flap and crosswind landings.
8. Emergency procedures to include engine failures, electrical malfunctions and landing gear malfunctions.