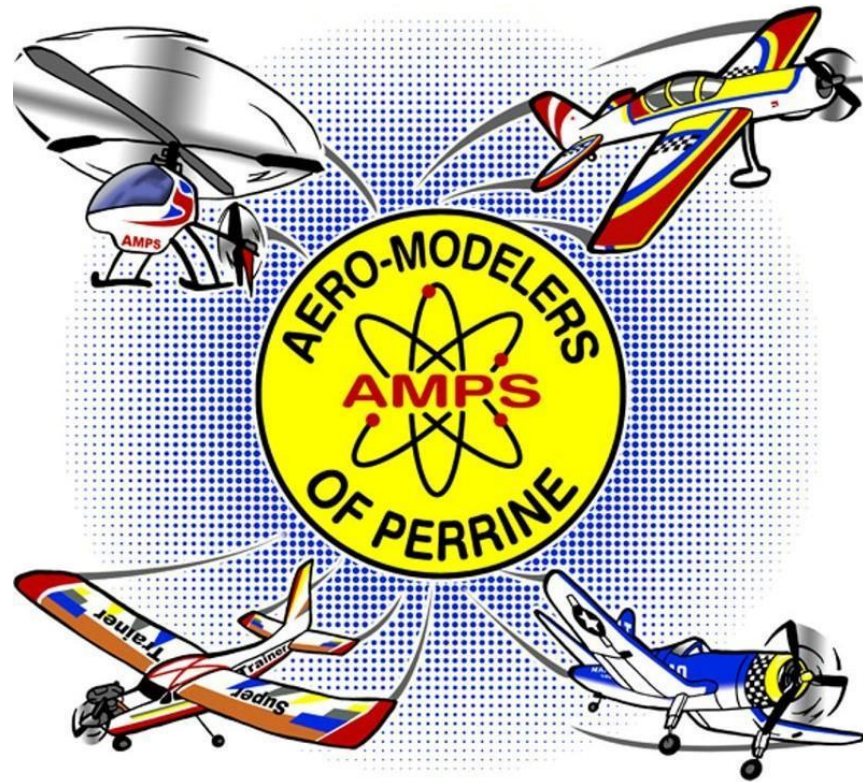


AERO MODELERS OF PERRINE



STUDENT PILOT HELICOPTER FLIGHT INSTRUCTION MANUAL

President's Welcome

Welcome to the Aero Modelers of Perrine (AMPS) training program. The AMPS club is happy to train any new or current member who wants to learn a new discipline.

As a new member wanting to learn Radio Controlled flight, you will likely have many questions. You will find this booklet an invaluable resource for answering most of your questions. This booklet also contains the training syllabus that you and your instructor will use during your training period. The syllabus will take you from your first flight to your solo flight and beyond.

Another important resource available to you is the club members. You will find that radio control enthusiasts are a very friendly group and are more than willing to help. I recommend you meet and introduce yourself to as many members as possible. You'll generate many new friendships.

Most importantly, remember to have fun.

Your AMPS President

Contact our Helicopter instructor to arrange for your flight training		
VACANT		

AMPS HELICOPTER STUDENT PILOT TRAINING LOG

Student: _____ **Instructor:** _____

Objectives	Date Completed	Instructor	Remarks
Objective 1: Preflight			
Obtain a copy of the AMA and AMPS rules and review them with instructor			
Learn to ensure that transmitter, receiver and/or electric motor batteries are fully charged, and perform battery checks regularly.			
Review and learn about helicopter main flight systems (main rotor, engine, and tail rotor), and flight functions such as: Collective, cyclic, and yaw.			
Discuss and understand concepts of pitch, throttle curves and gyro gain functions.			
Learn to identify the active vs. inactive runways and their proper usage.			
Acquaint student with procedure for claiming frequency.			
Learn about proper radio range check procedure with either 72 MHz or 2.4 GHz radio systems.			
Objective 2: Engine Start and Pre-flight			
Gain knowledge of support equipment: fuel, fuel pump, and battery chargers.			
Learn proper glow/gas fuel engine startup procedure, and/or electric motor battery connection. Understand legal and illegal engine start up locations.			

Objectives	Date Completed	Instructor	Remarks
Objective 3: Flight Protocol Procedures			
Get acquainted with proper method for carrying helicopter to flight line, and afternoon pilot stations.			
Learn to do a smooth spool up before take-off attempt is made.			
Objective 4: Hover Maneuvers			
Learn stationary tail-in hover without deviation in altitude.			
Learn smooth take-offs and landings			
Learn stationary nose-in hover without deviation in altitude.			
Learn left sideways hover without deviation in altitude.			
Learn right sideways hover without deviation in altitude.			
Objective 5: Forward Flight			
Learn left hand circuit pattern.			
Learn right hand circuit pattern.			
Learn turning-out figure eight flight.			
Learn turning-in figure eight flight			
Objective 6: Advanced Hover			
Learn inverted tail-in hover without deviation in altitude.			
Learn inverted nose-in hover without deviation in altitude.			
Objective 7: Advanced Aerobatics			
Learn tail-in autorotation.			

Objectives	Date Completed	Instructor	Remarks
Learn nose-in autorotation.			
Learn to perform a loop			
Learn to perform a roll.			

HELICOPTER FLIGHT TRAINING COMPLETION CERTIFICATE

Student Pilot Name (Printed): _____ AMA# _____

Instructor Name (Printed): _____ AMA# _____

Instructor Signature: _____ Date: _____

Date of Completion: _____

Upon completion of your flight training, mail this completed document (all pages) along with the Flight Proficiency Test and AMPS Field Rules Test (all pages) with all appropriate signatures to:

Aero Modelers of Perrine (AMPS)
4956 SW 154 Court
Miami, FL 33185

Notes:

1. You may not begin flying solo until you have passed the Flight Proficiency Test and the AMPS Field Rules Test. This is a violation of club rules and may jeopardize your future membership in the club.
2. Your flight instructor may **NOT** administer the Flight Proficiency and AMPS Field Rules Tests.

AMPS FIELD RULES TEST

Question	Y/N
1. Only Current AMPS members and their guests may fly at the field.	
2. The maximum number of flying helicopters is two (2) nitro/gas and one (1) electric.	
3. Landing Aircraft will always have the right of way; dead stick aircraft will have the first priority.	
4. Helicopter start-up is allowed in the covered Pit area.	
5. Children are not allowed in the pit area unless they are AMPS Junior members. Children must always be accompanied by an adult.	
6. Flying will be suspended while field maintenance workers are performing work on the runways.	
7. You will not be covered by AMA insurance if you fail to follow AMA and/or AMPS safety rules.	
8. Prospective members are not required to take the Flight Proficiency Test.	
9. Walking on the active runway must be loudly and clearly announced before stepping onto the runway.	
10. Flying over field maintenance or farm workers is acceptable.	
11. Flying shall be limited to 15 minutes per flight.	
12. Helicopter pilots may stand on the runway while flying.	
13. Low airplane flying over the active runway is acceptable.	
14. Alcoholic beverages are allowed on the field but not during flying.	
15. Never leave an aircraft unattended with the engine running	
16. Smoking is permitted near gasoline powered Aircraft.	
17. Pilots can leave their airplanes on the start up tables for any length of time.	
18. What is the most important decision any pilot can make? _____	

***** Fourteen (14) correct answers required to pass *****

AMPS HELICOPTER FLIGHT PROFICIENCY TEST

Question	Y/N
1. Pilot demonstrates knowledge of pre-flight protocols (uses engine starting areas, carries aircraft to flying area in a safe manner, announces take off, stands at safe distance, etc.)	
2. Pilot demonstrates good control of aircraft (appropriate take off and hover, maintains aircraft inside flight zone, announces landing, appropriate landing, etc.)	
3. Pilot demonstrates knowledge of post-flight protocols (follows proper engine turn off procedures, carries aircraft in a safe manner, etc.)	

***** Three (3) correct answers required to pass *****

I, _____ (Check Pilot Name – printed), AMA# _____, certify that
 _____ (Prospective Member Name – printed) has satisfactorily completed
 the Field Rules and Flight Proficiency Tests.

Check Pilot Signature: _____ Date: _____

Notes:

1. You may not begin flying solo at AMPS until you have passed the **AMPS Field Rules Test** and the **Flight Proficiency Test**. This is a violation of club rules and may jeopardize your club membership.
2. When this document is used to certify a student after completing his/her training, the Instructor may **not** act as Check Pilot.
3. Both tests must be passed in order to be certified as a solo pilot.