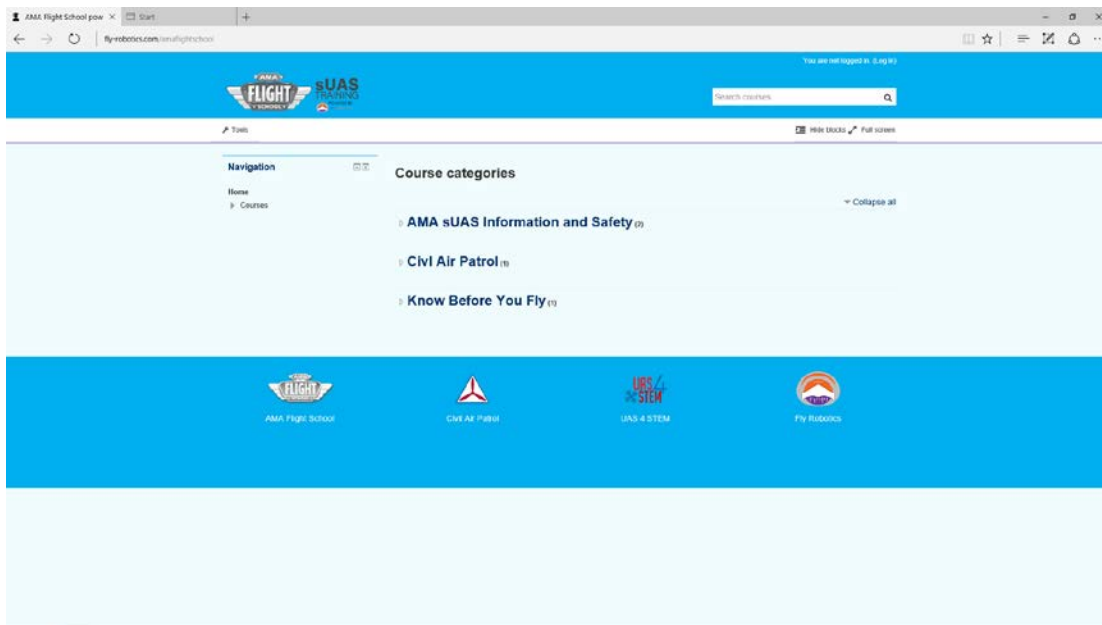


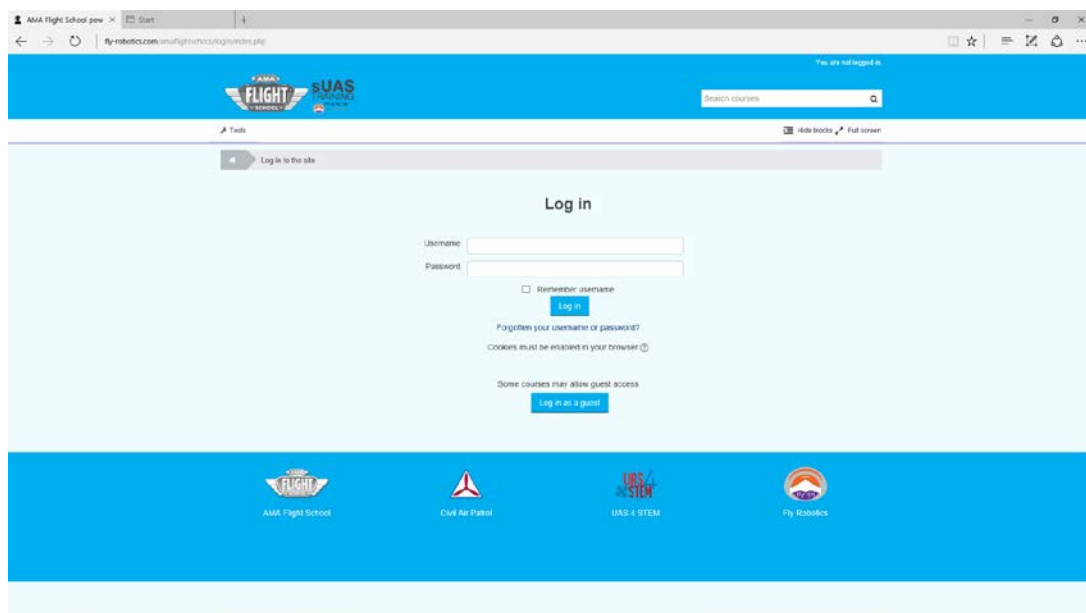


CIVIL AIR PATROL GROUND SCHOOL STUDENT LOGIN INSTRUCTIONS

Open your web browser and go to www.fly-robotics.com/amaflightschool



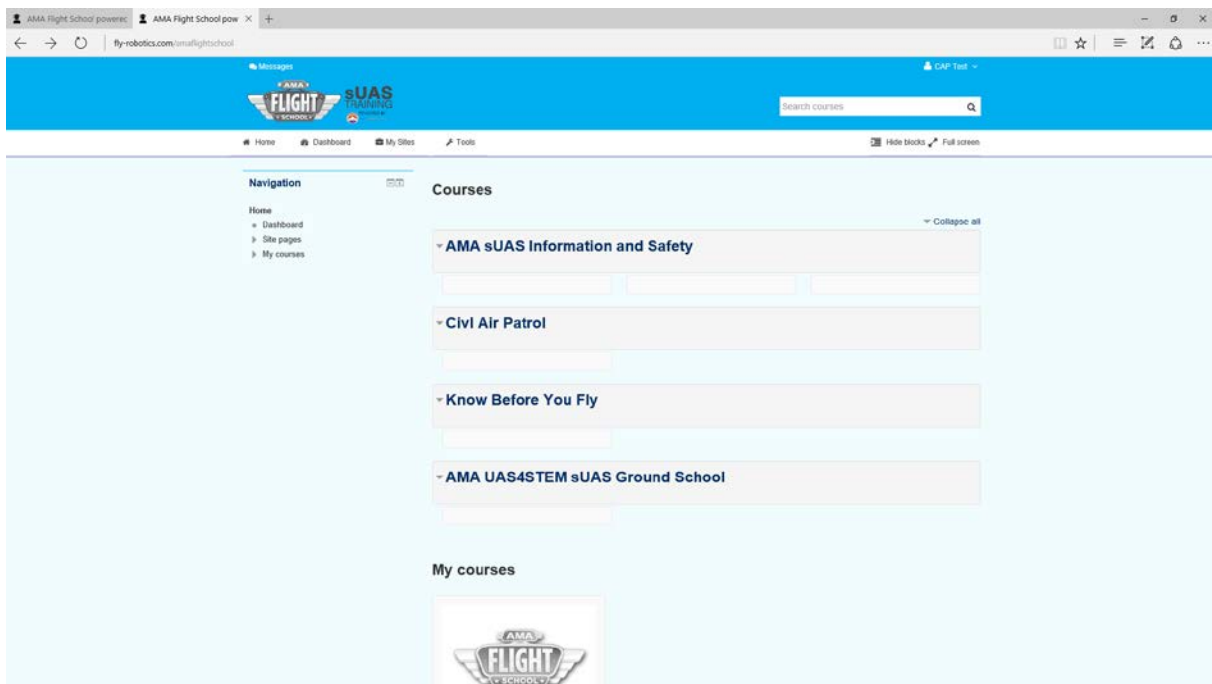
Once at the Education site, click Log In in the upper right hand corner of the page.





Enter your username and password. Your username will be your CAP ID. Your initial password will be Password1 **REMEMBER, all usernames must be in lowercase.**

Once you login, you will see the courses you are enrolled in. Click on the AMA UAS4STEM sUAS Ground School to get started. Scroll down to My Courses and click on Civil Air Patrol sUAS Ground School.





Inside the course, you will see each of the different lessons. Click on each lesson to begin each section. You may stop and start at any point in the course, except during an evaluation. Once an evaluation is started, it must be completed before you log out or it will not save your answers. A grade of 80% on each evaluation is required for course completion. You may take each evaluation as many times as necessary.

The screenshot shows the course page for 'AMA CAP sUAS Ground School'. The left sidebar contains navigation links: Home, Dashboard, Site pages, Current course (CAPS001), Participants, Badges, Fundamentals of Flight, Fundamentals of sUAS, Aviation Meteorology, National Airspace System, Aviation Safety, Ethical Altimanship, Course Completion, and My courses. Below this is an Administration section with Course administration and Grades. The Course completion status section shows 'Status: Not yet started' and 'All criteria below are required'. A table lists 'Required criteria' and 'Status', with 'Active completion' at '0 of 15'. The main content area is titled 'AMA CAP sUAS Ground School' and includes a curriculum overview, a note to click on lesson titles, and sections for 'Fundamentals of Flight' and 'Fundamentals of sUAS'. The 'Fundamentals of Flight' section includes a Purpose, Objectives, and a list of topics: 'The 4 external forces affecting flight', 'The 3 Coordinate Frame Axes of flight', 'Elements of an Airfoil', 'Stalls, and different ways they can occur', and 'Theories, laws, and principles of flight/it, and how they relate to fixed wing, rotary wing, and multi-rotor flight'. The 'Fundamentals of sUAS' section includes a Purpose: 'The purpose of this lesson is to teach a fundamental understanding of Unmanned Air Systems, Mission Plan elements, failsafe methods and basic Radio Control fundamentals.'

Begin by clicking on Fundamentals of Flight. This will take you to the first lessons.

This screenshot shows the 'Fundamentals of Flight' lesson page. The left sidebar is updated to show 'Fundamentals of Flight' as the active section, with sub-items: 'Fundamentals of Flight - Aerodynamics', 'Fundamentals of Flight - Aerodynamics - Evaluation', 'Fundamentals of Flight - Scientific Principles of ...', 'Fundamentals of sUAS', 'Aviation Meteorology', 'National Airspace System', 'Aviation Safety', 'Ethical Altimanship', 'Course Completion', and 'My courses'. The main content area is titled 'Fundamentals of Flight' and includes a Purpose, Objectives, and a list of sub-topics: 'Fundamentals of Flight - Aerodynamics', 'Fundamentals of Flight - Aerodynamics - Evaluation', 'Fundamentals of Flight - Scientific Principles of Flights', and 'Fundamentals of Flight - Scientific Principles of Flight - Evaluation'. The 'Your progress' section shows checkboxes for each sub-topic, with the first one checked. The 'Fundamentals of sUAS' section is also visible at the bottom.



Once you view a lesson you will then need to take the evaluation. Evaluations will have check marks beside them in each section.

AMA CAP sUAS Ground School

AMA CAP sUAS Ground School Curriculum.

Please click on the lesson title to start each section. Once all lessons are completed, please open and print your certificate of completion.

Fundamentals of Flight

Purpose

This lesson is intended to provide a fundamental understanding of flight mechanics. The student will be familiarized with theory of flight, and basic aerodynamic principles.

Objectives

At the conclusion of this lesson, the student shall be able to demonstrate knowledge in and understand:

- The 4 external forces affecting flight.
- The 3 Coordinate Frame Axes of flight, and how the corresponding flight surfaces work to maneuver each.
- Elements of an Airfoil.
- Stalls, and different ways they can occur.
- Theories, laws, and principles of lift/drift, and how they relate to fixed wing, rotary wing, and multi-rotor flight.

Your progress

<input type="checkbox"/>	Fundamentals of Flight - Aerodynamics
<input type="checkbox"/>	Fundamentals of Flight - Aerodynamics - Evaluation
<input type="checkbox"/>	Fundamentals of Flight - Scientific Principles of Flight
<input type="checkbox"/>	Fundamentals of Flight - Scientific Principles of Flight - Evaluation

Click attempt quiz now to start the evaluation.

AMA CAP sUAS Ground School

SEARCH COURSES

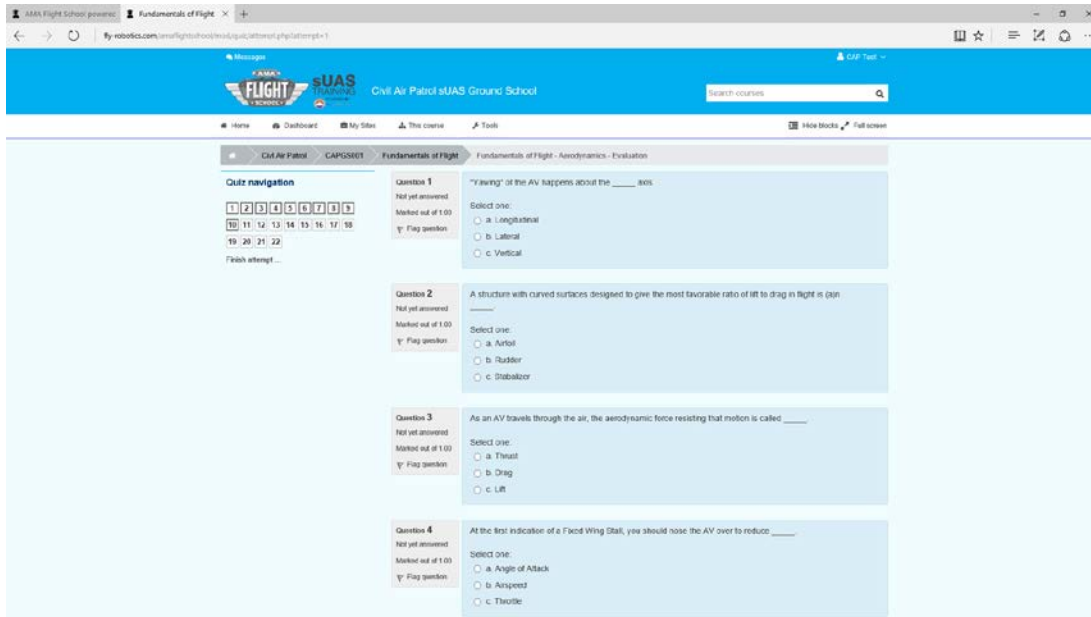
Fundamentals of Flight - Aerodynamics - Evaluation

Grading method: Highest grade

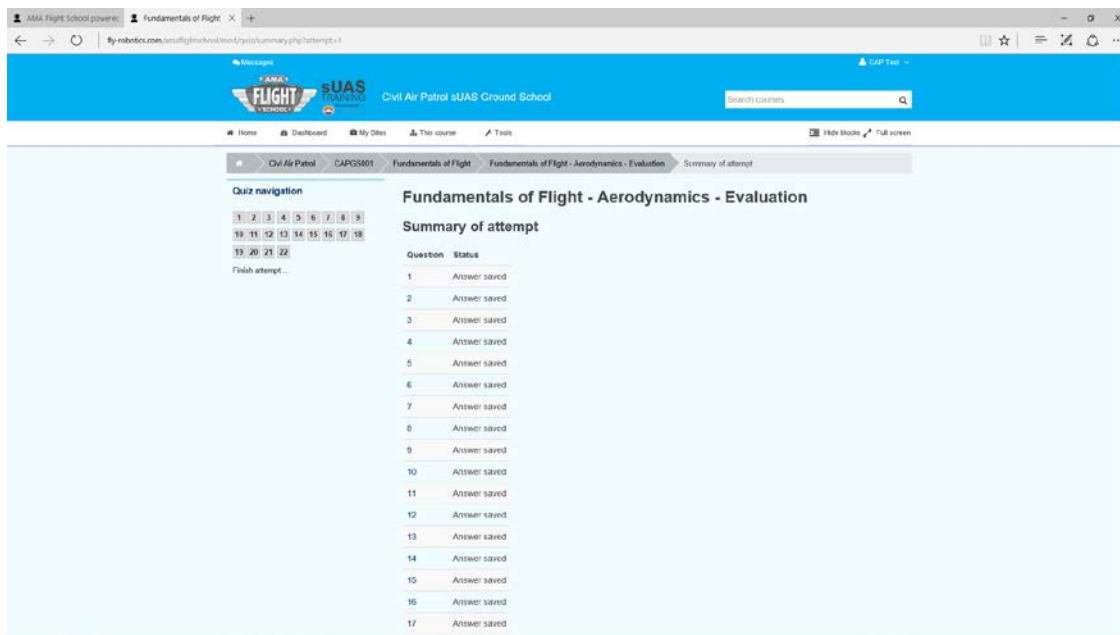
[Attempt quiz now](#)



The number of questions varies in each section. Also, the order of the questions will change.

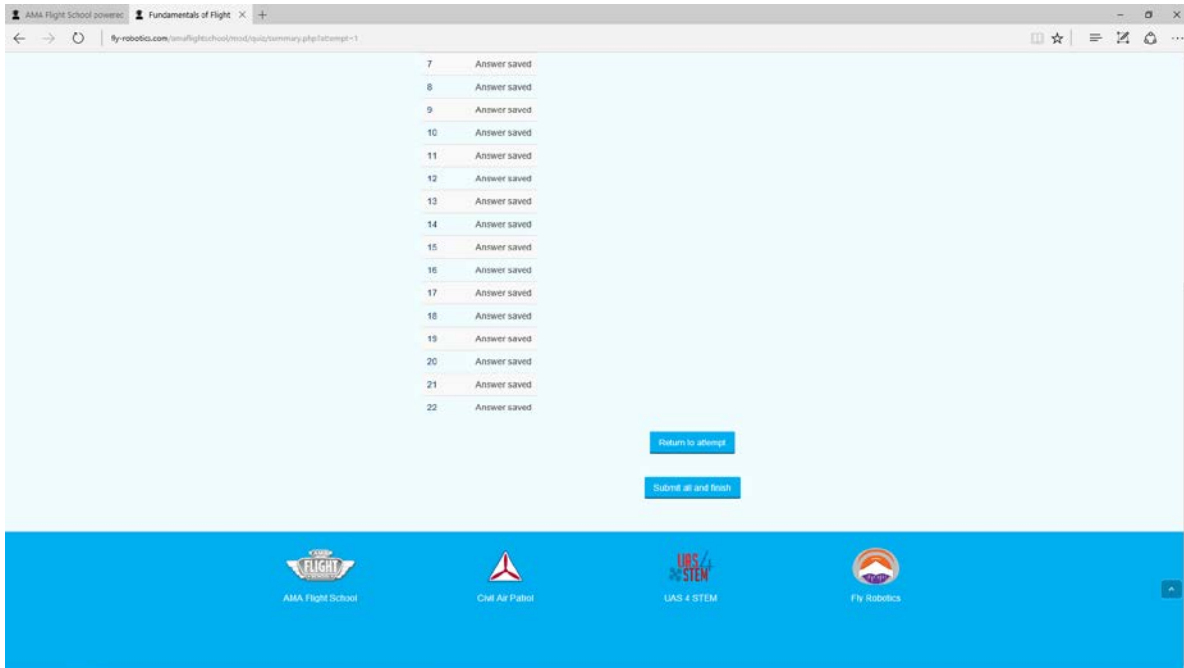


Once all questions are completed, you will need to click Submit all and Finish. This records your answers.

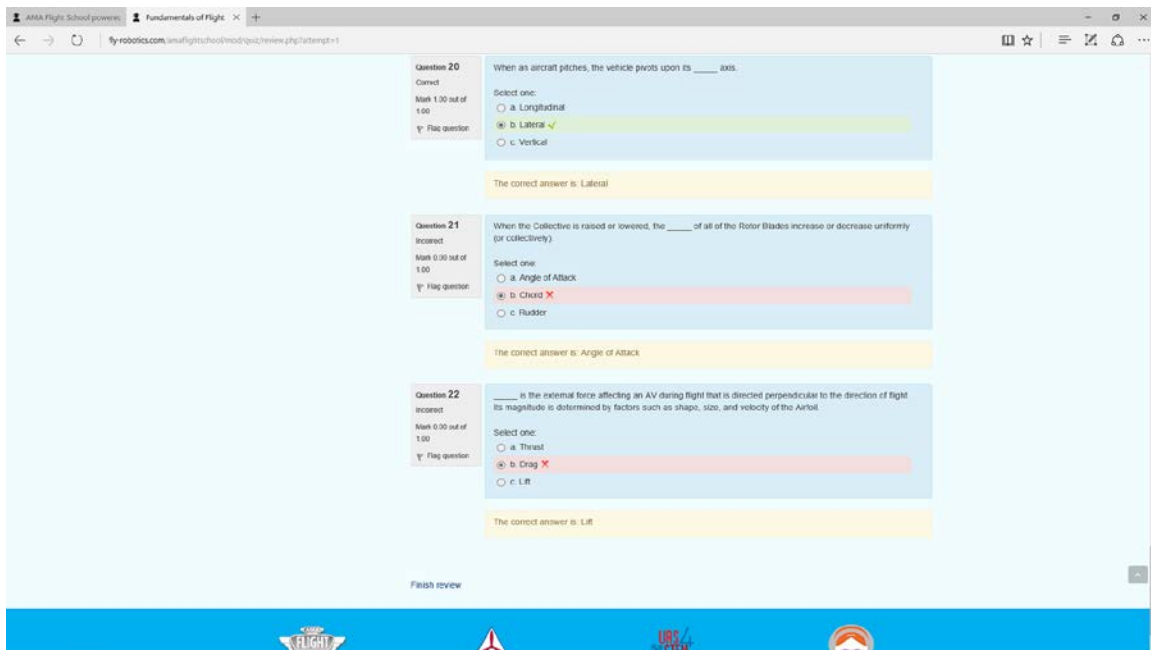




You will then be shown your grades for the evaluation. You can view any questions you missed.



Once finished with the review, scroll to the bottom and click Finish review.





This will take you to the summary screen of your attempt. A minimum score of 8 out of 10 in each section is required to pass the evaluation. Each evaluation can be taken multiple times.

The screenshot shows a web browser window displaying the evaluation summary for 'Fundamentals of Flight - Aerodynamics - Evaluation'. The page includes a navigation menu on the left, a table of previous attempts, and a 'No attempt yet!' button.

Attempt	State	Marks / 10.00	Grade / 10.00	Review
1	Finished Submitted Tuesday, 24 May 2016, 9:55 PM	16.00	7.27	Review

Highest grade: 7.27 / 10.00.

[No attempt yet!](#)

From the summary screen, you can click on the next lesson in the section, or move on to the following section. Clicking CAPGS001 on the left at any point will take you back to the main course screen. Clicking the section name on the left will take you to that particular section. For example. Click National Airspace System on the left will open the National Airspace part of the course.



AMA Flight School powered by Fly-robotics.com

Course: Civil Air Patrol sUAS Ground School

Navigation:

- Home
- Dashboard
- Site pages
- Current course
 - CAP55081
 - Participants
 - Badges
 - Fundamentals of Flight
 - Fundamentals of sUAS
 - Aviation Meteorology
 - National Airspace System
 - Aviation Safety
 - Ethical Airmanship
 - Course Completion
 - My courses
- Administration
 - Course administration
 - Grades
- Course completion status
 - Status: Pending
 - All criteria below are required
 - Required criteria
 - Activity completion: 0 of 15

AMA CAP sUAS Ground School

AMA CAP sUAS Ground School Curriculum

Please click on the lesson title to start each section. Once all lessons are completed, please open and print your certificate of completion.

Fundamentals of Flight

Purpose
This lesson is intended to provide a fundamental understanding of flight mechanics. The student will be familiarized with theory of flight, and basic aerodynamic principles.

Objectives
At the conclusion of this lesson, the student shall be able to demonstrate knowledge in and understand:

- The 4 external forces affecting flight
- The 3 Coordinate Frame Axes of flight, and how the corresponding flight surfaces work to maneuver each.
- Elements of an Airfoil
- Stalls, and different ways they can occur.
- Theories, laws, and principles of flight/lift, and how they relate to fixed wing, rotary wing, and multi-rotor flight.

Lesson: 2 Quizlet: 2 Progress: 0/4

Fundamentals of sUAS

Purpose
The purpose of this lesson to teach a fundamental understanding of Unmanned Air Systems, Mission Plan elements, fail-safe methods and basic Radio Control fundamentals.

Once inside of a lesson, you can track your completion with the check marks on the right. You may also follow your course completion on the left side of the screen as below.

AMA Flight School powered by Fly-robotics.com

Course: Civil Air Patrol sUAS Ground School

Navigation:

- Site pages
- Current course
 - CAP55081
 - Participants
 - Badges
 - Fundamentals of Flight
 - Fundamentals of sUAS
 - Aviation Meteorology
 - National Airspace System
 - Aviation Safety
 - Ethical Airmanship
 - Course Completion
 - My courses
- Administration
 - Course administration
 - Grades
- Course completion status
 - Status: Pending
 - All criteria below are required
 - Required criteria
 - Activity completion: 0 of 15

More details

Please click on the lesson title to start each section. Once all lessons are completed, please open and print your certificate of completion.

Fundamentals of Flight

Purpose
This lesson is intended to provide a fundamental understanding of flight mechanics. The student will be familiarized with theory of flight, and basic aerodynamic principles.

Objectives
At the conclusion of this lesson, the student shall be able to demonstrate knowledge in and understand:

- The 4 external forces affecting flight
- The 3 Coordinate Frame Axes of flight, and how the corresponding flight surfaces work to maneuver each.
- Elements of an Airfoil
- Stalls, and different ways they can occur.
- Theories, laws, and principles of flight/lift, and how they relate to fixed wing, rotary wing, and multi-rotor flight.

Lesson: 2 Quizlet: 2 Progress: 0/4

Fundamentals of sUAS

Purpose
The purpose of this lesson to teach a fundamental understanding of Unmanned Air Systems, Mission Plan elements, fail-safe methods and basic Radio Control fundamentals.

Objectives
At the conclusion of this lesson, the student shall be able to demonstrate knowledge in and understand:

- Basic subsystems of an Unmanned Air System.
- Elements of an Air Vehicle, Communication System, and Ground Control System.
- Different types of Payloads and how they are used by UAS Operators.
- Modes of Automated Flight and corresponding elements
- Radio Controlled flight and how stick commands correlate to fixed wing, rotary, and multi-rotor flight.

Lesson: 2 Quizlet: 2 Progress: 0/4



Follow the steps above to complete all sections of the course. Once you have completed all lessons in a course, a completion certificate will appear at the bottom of the lessons. You may then print this certificate for your records. Your certificate is always stored in the system with your login, so you may log in at any point and reprint your certificate.

Please contact us at: info@fly-robotics.com if you have any questions!

SAFE FLYING!