



SMALL UNMANNED AIRCRAFT FLIGHT-104 Spring 2024

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FLIGHT 104 Small Unmanned Systems Ground School Daily Schedule			
DATE	SOURCE	TOPIC	HAND-ON ACTIVITIES
WEEK 1 Introduction to Course/Canvas and Drone Operations			
9-Jan	CANVAS	COURSE INTRO AND CANVAS	
10-Jan	CANVAS	CANVAS	
11-Jan	AOPA	CLASSIFYING UAS	
12-Jan	AOPA	SUAS MATERIALS AND COMPONENTS	
13-Jan	AOPA	UAS FLIGHT CONTROLS	DRONE Intro
WEEK 2 REGULATIONS			
17-Jan	AOPA	REGULATIONS 1	
18-Jan	AOPA	REGULATIONS 2	
19-Jan	ASA	REGULATIONS FAA QUESTIONS	
20-Jan	CANVAS QUIZ WEEK 1 INTRODUCTION TO DRONES		
21-Jan		REGULATIONS SCENARIO BASED REVIEW	DRONE Intro to Simulators
WEEK 3 AIRSPACE			
23-Jan		AIRSPACE LECTURE	
Jan 24		AIRSPACE REINFORCEMENT	
25-Jan	ASA	AIRSPACE FAA QUESTIONS 1	
26-Jan	CANVAS QUIZ WEEK 2 REGULATIONS 1 AND 2		
27-Jan		AIRSPACE FAA QUESTIONS 2 AND SCENARIOS	DRONE Simulators Group 1
WEEK 4 WEATHER			
Jan 30		WEATHER THEORY LECTURE 1	
31-Jan		WEATHER THEORY LECTURE 2	
1-Feb		WEATHER REPORTS	
2-Feb	CANVAS QUIZ WEEK 3 AIRSPACE		
3-Feb	ASA	WEATHER REPORTS PRACTICE AND SCENARIOS	DRONE Simulators Group 2
WEEK 5 LOADNG, PERFORMANCE AND EMERGENCIES			
6-Feb		LOADING, PERFORMANCE AND EMERGENCIES LECTURE	
7-Feb		LOADING, PERFORMANCE FAA QUESTIONS	
8-Feb	VETERAN'S DAY		
9-Feb	CANVAS QUIZ WEEK 4 WEATHER		
10-Feb		LOADING, PERFORMANCE SCENARIO BASED REVIEW	
WEEK 6 STATE OF MIND SAFETY AND PRE PLANNING			
14-Feb		STATE OF MIND SAFETY AND PRE PLANNING LECTURE	
15-Feb		STATE OF MIND SAFETY AND PRE PLANNING DISCUSSION	
Feb 16		OPERATIONS FAA QUESTIONS	
17-Feb	CANVAS QUIZ WEEK 5 LOADING, PERFORMANCE AND PRE PLANNING		
17-Feb		OPERATIONS SCENARIO BASED REVIEW	DRONE Simulators Group 1
WEEK 7 PIC, WEIGHT AND BALANCE AND LOAD FACTORS			
21-Feb		PIC, WEIGHT AND BALANCE AND LOAD FACTORS LECTURE	
22-Feb		PIC, WEIGHT AND BALANCE AND LOAD FACTORS LECTURE	
Feb 23		PIC, WEIGHT AND BALANCE AND LOAD FACTORS FAA QUESTIONS	DRONE Simulators Group 2
24-Feb			
24-Feb			
WEEK 8 ENDORSEMENT AND FAA CERTIFICATION			
27-Feb		FAA MOCK / ENDORSEMENT TEST 1	
28-Feb		FAA MOCK / ENDORSEMENT TEST 2	
1-Mar		FAA MOCK / ENDORSEMENT TEST 3	
2-Mar			
3-Mar		FAA TEST	
WEEK 9			
6-Mar	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS
7-Mar	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS
8-Mar	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS
9-Mar	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS
10-Mar	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS	FINALS WEEK/FAA TESTS
TBD	FAA WRITTEN TEST		

**CLASS LO-
CATION:**
Woodlake
High School/
Hybrid

**DAILY
SCHEDULE:**
MTWThF,
Jan 09-
Mar10
1:30-2:21pm

REQUIRED TEXTBOOKS/EQUIPMENT:

Remote Pilot Study Guide (Digital Download)
Pencils, Erasers, Pens, Notepaper

CATALOG DESCRIPTION: The Remote Pilot Ground School (sUAS) course provides classroom training for individuals seeking a remote pilot's license. This course will prepare students to take the FAA written examinations required for certification. Some of the topics covered will include applicable regulations relating to sUAS, airspace classification and operating requirements, the effects of weather on small UA performance, small UA loading and performance, emergency procedures, and maintenance and inspection procedures.

COURSE CONTENT:**Student Learning Outcomes:**

Upon completion of this course, students will be able to:

1. Comply with regulations relating to the privileges, limitations, and flight operations of small unmanned aircraft systems.
2. Adhere to different airspace classification and operating requirements, and flight restrictions affecting small unmanned aircraft operation.
3. Demonstrate their knowledge of small Unmanned Aircraft Systems on the initial aeronautical knowledge test given by an FAA-approved knowledge testing center.

Objectives:

In the process of completing this course, students will:

1. Study the applicable regulations relating to small unmanned aircraft system rating privileges, limitations, and flight operation.
2. Explore airspace classification, operating requirements, and flight restrictions affecting small unmanned aircraft operation.
3. Identify aviation weather sources and the effects of weather on small unmanned aircraft performance.
4. Determine the performance and loading of small unmanned aircraft.
5. Discuss emergency procedures, crew resource management, aeronautical decision-making and judgment, and radio communication procedures.

6. Perform maintenance and inspection procedures of small unmanned aircraft and document the maintenance records in the aircraft logbooks.

7. Compose reports to the FAA for the purpose of compliance determination.

Grading Policy:

Quiz 1 - 10pts

Quiz 2 - 10pts

Quiz 3 - 10 pts

Quiz 4 - 10 pts

Quiz 5 - 10 pts

Quiz 6 - 10 pts

Quiz 7 - 10 pts

Quiz 8 - 10 pts

Final Exam (FAA Exam) 20 pts

Total - 100 pts (%)

Grading Scale: 90% and above = A

80% and above = B

70% and above = C

60% and above = D

Below 60% = F

Scores will not be rounded up - i.e. 89.99% = B

There is no extra credit in this course.

GRADING SYSTEM:

Quizzes - All Quizzes are "Open-Note" in that students may use their lecture notes to answer the quiz questions during the quiz. Quizzes typically have 10 questions and may be multiple choice. Quizzes will typically be administered at the beginning of every week to include material covered in the previous week. The grade value of each quiz will be based on the number of questions answered correctly.