UNIT PLAN

AINautics
Air Innovations

UNIT 1: FAA REGULATIONS

Discussion topics:	General
Objective:	To determine that the applicant is knowledgeable in the general regulatory requirements of 14 CFR parts 89 and 107.
Introduce:	The applicant demonstrates understanding of: Applicability of 14 CFR part 107 to small unmanned aircraft operations. Definitions used in 14 CFR part 107. The ramification of falsification, reproduction, or alteration of a certificate, rating, authorization, record, or report. Inspection, testing, and demonstration of compliance. Multiple category sUAS.
Completion standards:	Demonstrates understanding of FAA Regulations. Minimum of 80% on the post test.
References:	**14 CFR part 89 and 107, subpart A; AC 107-2; FAA-G-8082-22**
Suggested homework assignments:	● Review online video ● Review Remote Pilot Book Chapter 1**(Regulations)** ● Review questions assigned

Discussion topics:	Operating Rules
Objective:	To determine that the applicant is knowledgeable of the operating rules of the 14 CFR parts 89 and 107, the registration rules of 14 CFR parts 47 or 48, and other associated operating requirements.
Introduce:	● Responsibility and authority of the remote PIC. ● Regulatory deviation and reporting requirement for in-flight emergencies. ● Operating from a moving aircraft or moving land- or water-borne vehicle. ● Alcohol or drugs and the provisions on prohibition of use. ● Daylight operations
Review:	● General
Completion standards:	● Demonstrates understanding of regulations. ● Minimum of 80% on the post test.
References:	14 CFR parts 47, 48, 89, and 107, subpart B; AC 107-2; FAA-G-8082-22

UNIT PLAN

Suggest homework assignments:	● Review online video ● Review Remote Pilot Book Chapter 1 (Regulations) ● Review questions assigned
Discussion topics:	Remote Pilot Certification with an sUAS Rating
Objective:	To determine that the applicant is knowledgeable in the requirements associated with remote pilot certification with an sUAS rating.
Introduce:	● Offense involving alcohol or drugs. ● The consequences of refusing to submit to a drug or alcohol test or to furnish test result. ● The eligibility requirements for a Remote Pilot Certificate with sUAS rating. ● Aeronautical knowledge recency.
Review:	● Operating Rules
Completion standards:	● Demonstrates understanding of regulations. ● Minimum of 80% on the post test.
References:	**14 CRF part 107, subpart C; AC 107-2; FAA-H-8083-25; FAA-G-8082-22**
Suggest homework assignments:	● Review online video ● Review Remote Pilot Book Chapter 1(Regulations) ● Review questions assigned
Discussion topics:	Waivers
Objective:	To determine that the applicant is knowledgeable of the FAA waiver policy and requirements.
Introduce:	● Waiver policy and requirements.
Review:	● Operating Rules
Completion standards:	Demonstrates understanding of regulations. Minimum of 80% on the post test.
References:	14 CFR part 107, subpart D; AC 10 7-2; FAA-H-8083-25; FAA-G-8082-22
	● Review online video ● Review Remote Pilot Book Chapter 1(Regulations)

Suggest homework assignments:	● Review questions giving
Discussion topics:	Operations Over People
Objective:	To determine that the applicant is knowledgeable of the operating rules of 14 CFR parts 89 and 107, and the associated operating requirements when operating over people/
Introduce:	● Remote pilot responsibilities when operating over people. ● Operations over people at night ● Category of operations including: Category1, Category 2, Category 3, Category 4. ● Selecting an operational area. ● Minimum distances from a person.
Review:	● Waivers
Completion standards:	Demonstrates understanding of regulations. Minimum of 80% on the post test.
References:	14 CFR parts 89 and 107; AC 107-2; FAA-H-8083-25; FAA-G-8082-22
Suggest homework assignments:	● Review online video ● Review Remote Pilot Book Chapter 1(Regulations) ● Review questions giving
Discussion topics:	Remote Identification (RID)
Objective:	To determine that the applicant exhibits satisfactory knowledge associated with operating rules of 14 CFR part 89 and their associated operating requirements.
Introduce:	● Standard remote identification. ● Alternative remote identification ● Operation for aeronautical research. ● Confirmation of identification. ● Minimum message elements broadcast for remote identification.
Review: Completion standards:	● Operations Over People Demonstrates understanding of regulations. Minimum of 80% on the post test.
References:	14 CFR parts 89 and 107; AC 107-2; FAA-H-8083-25; FAA-G-8082-22

Suggest homework assignments:	- Review online video - Review Remote Pilot Book Chapter 1(Regulations) - Review questions assigned