

UAS

SECOND SEMESTER

Jan 10-13

Unit 6: Introduction to Drones and UAS Operations

Pre-Course Exam

Section A – Drones and their Components

Lesson 1 Introduction to UAS-1

Lesson 1 Introduction to UAS-2

Lesson 2 How Drones Fly-1

Jan 17-20

Lesson 2 How Drones Fly-2

Lesson 2 How Drones Fly-3

Section B - Part 107 and Beyond

Lesson 1 Part 107: An Introduction-1

Lesson 1 Part 107: An Introduction-2

Jan 24-27

Lesson 2 Part 107: Operating Rules and Waivers-1

Lesson 2 Part 107: Operating Rules and Waivers-2

Lesson 2 Part 107: Operating Rules and Waivers-3

Lesson 3 Beyond 107: Best Practices and Being a Good Neighbor-1

Jan 31 - Feb 3

Lesson 3 Beyond 107: Best Practices and Being a Good Neighbor-1

Unit 6 Exam

Unit 7: Operational Decision Making

Section A – Weather and Performance

Lesson 1 Practical Weather for UAS Pilots-1

Lesson 1 Practical Weather for UAS Pilots-2

Feb 7-10

Lesson 1 Practical Weather for UAS Pilots-3

Lesson 2 Small UAS Loading-1

Lesson 2 Small UAS Loading-2

Lesson 3 UAS Aerodynamics and Performance-1

Feb 14-17 ---Grades Go In

Lesson 3 UAS Aerodynamics and Performance-2

Lesson 3 UAS Aerodynamics and Performance-3

Section B – UAS Crew Management

Lesson 1 Preflight and Maintenance-1

Lesson 1 Preflight and Maintenance-2

*****No School Feb 20-24*****

Feb 28-Mar 3

Lesson 1 Preflight and Maintenance-3

Lesson 2 UAS Crew Resource Management and Communications-1

Lesson 2 UAS Crew Resource Management and Communications-2

Lesson 2 UAS Crew Resource Management and Communications-3

Mar 7-10

Lesson 3 Handling Emergencies-1

Lesson 3 Handling Emergencies-2

Lesson 3 Handling Emergencies-3

Lesson 4 Human Factors and ADM-1

Mar 14-17

Lesson 4 Human Factors and ADM-2

Lesson 4 Human Factors and ADM-3

Lesson 4 Human Factors and ADM-4

Unit 7 Exam

Mar 21-24

Unit 8: Becoming a Commercial sUAS Pilot

Section A – Part 107 Exam Preparation

Lesson 1 Group Project: -1-4

Your Turn to Teach 10 46 Regulations Airspace and Requirements Weather Loading and Performance Operations

Mar 28-31

Lesson 1 Group Project: Days 4-8

April 4-6 no school on 7th

Lesson 1 Group Project: 9-10

Unit 8 Practice Exam

April 18-21

Unit 9: From Theory to Practice: Planning and Executing a Mission

Section A – Flight School

Lesson 1 The Right Drone for the Job-1

Lesson 1 The Right Drone for the Job-2

Lesson 2 Expert Mode-1

Lesson 2 Expert Mode-2

NO School April 11 -14 Easter

April 25-28

Lesson 2 Expert Mode-3

Lesson 2 Expert Mode-4

Lesson 3 Learning to Fly: Fundamentals of Control-1

Lesson 3 Learning to Fly: Fundamentals of Control-2

May 2-5

Lesson 3 Learning to Fly: Fundamentals of Control-3

Lesson 3 Learning to Fly: Fundamentals of Control-4

Section B – Drones in Action

Lesson 1 Real-World Experience: UAS Team Operations-1

Lesson 1 Real-World Experience: UAS Team Operations-2

May 9-12

Lesson 1 Real-World Experience: UAS Team Operations-3

Lesson 1 Real-World Experience: UAS Team Operations-4

Lesson 1 Real-World Experience: UAS Team Operations-5

Lesson 1 Real-World Experience: UAS Team Operations-6

UAS

May 16-19

Lesson 1 Real-World Experience: UAS Team Operations-7

Lesson 1 Real-World Experience: UAS Team Operations-8

Lesson 1 Real-World Experience: UAS Team Operations-9

Lesson 1 Real-World Experience: UAS Team Operations-10

May 23-26

Post-Course Exam

May 30 - June 2

Maps