

Train the Trainers Syllabus

Excel as a drone instructor by learning in-person from a DARTdrones Instructor. With thousands of hours of classroom drone instruction experience, DARTdrones instructors are the best of the best, manned aviation pilots who teach teams at the nation's largest drone programs and fly drones in the field every day.

DAY 1

- Welcome to Train the Trainers
- Goals of Train the Trainers
- Opportunities in Workforce Development for Drones
- Look Inside the DARTdrones Student FAA Part 107 Materials and Activities
- FAA Part 107 - Regulations
- FAA Part 107 - Airspace
- FAA Part 107 - Flight Restrictions
- FAA Part 107 - Chart Study
- FAA Part 107 - Airport Operations
- FAA Part 107 - Radio Communications
- FAA Part 107 - Weather
- FAA Part 107 - Test Question Review

DAY 3

- Flight Training - Equipment Basics
- Flight Training - System Setup
- Flight Training - First Flight
- *Flight Session: First Flight*
- Flight Training - Advanced Settings
- Flight Training - Mission Specific Settings
- Flight Training - Emergencies
- *Flight Session: Emergency Procedures*
- Flight Training - Autonomous Flight
- *Flight Session: Intelligent Navigation*

DAY 2

- FAA Part 107 - Maintenance and Preflight Procedures
- FAA Part 107 - Crew Resource Management
- FAA Part 107 - Loading and Performance
- FAA Part 107 - Hazards to Flight and Emergency Procedures
- FAA Part 107 - Physiology for Drone Pilots
- FAA Part 107 - Night Operations
- FAA Part 107 - Preparing for the Exam
- FAA Part 107 - Test Question Review
- FAA Part 107 - DARTdrones Practice Tests
- Teaching the FAA Part 107 Course to Young Learners

DAY 4

- Utilizing the DARTdrones Curriculum for Students
- Year at a Glance Overview
- Lesson Plan Review
- Careers in Drones - Available Activities and Workbooks
- Starting a Drone Business - Final Project Guide
- Flight Training - Leading Indoor Flight Exercises and Obstacle Course
- Flight Training - Conducting Demo Flights
- Part 107 Test Prep - How and When to Utilize Quizzes, Worksheets, Review Slides, Student Activities, Online Materials, and Group Projects

