



2019-2020 DWS CURRICULUM SCHEDULE

Drone/sUAS Pilot Training Program 70 hours (10 weeks, 7 hours/week)

Course 1	GETTING STARTED, DRONES AND AERONAUTICS	4 HRS	FACULTY
1.01	About Drone Workforce Solutions, LLC		Atty. Theo Nix, Jr.
1.02	Meet your Instructors		Atty. Theo Nix, Jr.
1.03	Anatomy of a Drone and different types of Drones		J. Monaghan or W. Saunders
1.04	Glossary of Terms for the Drone Industry		J. Monaghan or W. Saunders
1.05	Tools for Building and Maintenance of Drones		Joseph Warwick
1.06	Introduction to Aerodynamics and Principles of Flight		J. Monaghan or W. Saunders
1.07	Aeronautical Decision-Making (ADM)		J. Monaghan or W. Saunders
1.08	Planning an sUAV Flight		J. Monaghan or W. Saunders

Course 2	DRONE LAWS, FAA REGULATIONS AND SAFETY	5 HRS	FACULTY
2.01	FAA Maintenance Checklist / Pre Flight Checklist		J. Monaghan or W. Saunders
2.02	Pre-Flight on-ground Observation Report		J. Monaghan or W. Saunders
2.03	Part 107- General		J. Monaghan or W. Saunders
2.04	Part 107-Operating Rules		J. Monaghan or W. Saunders
2.05	Part 107-Remote Pilot Certificate & Waivers		J. Monaghan or W. Saunders

Course 3	WEATHER & MICROMETEROLOGY	8 HRS	FACULTY
3.01	Effects of Weather on small UAS		J. Monaghan or W. Saunders
3.02	Aviation Weather Information Sources		J. Monaghan or W. Saunders

Course 4	NATIONAL AIRSPACE SYSTEMS	8 HRS	FACULTY
4.01	Know your FAA Airspace		J. Monaghan or W. Saunders
4.02	How to Read a Sectional Chart		J. Monaghan or W. Saunders
4.03	Airspace Operations		J. Monaghan or W. Saunders

Course 5	DRONE FLIGHT OPERATIONS	6 HRS	FACULTY
5.01	Aeronautical Decision Making		J. Monaghan or W. Saunders
5.02	Emergency Operations		J. Monaghan or W. Saunders
5.03	Radio Communication Procedures		J. Monaghan or W. Saunders
5.04	Small UAS Loading & Performance		J. Monaghan or W. Saunders
5.05	Small UAS Maintenance & Inspection		J. Monaghan or W. Saunders
5.06	Physiology		J. Monaghan or W. Saunders
5.07	Planning a sUAV Flight		J. Monaghan or W. Saunders

Course 6	Entrepreneurship: Operating a Drone Business	10 HRS	FACULTY
6.01	Wealth class 2: Credit Repair		Atty. Theo Nix, Jr.
6.02	Wealth class 3: Tax Benefits to starting your own drone business		Atty. Theo Nix, Jr.
6.03	Wealth class 4: How to start & finance your drone business		Atty. Theo Nix, Jr.
6.04	Contracting With and Between sUAS Operators		Atty. Theo Nix, Jr.
6.05	Reviewing an Agreement for Drone Services		Atty. Theo Nix, Jr.
6.06	Insurance for Drones		Atty. Theo Nix, Jr.
6.07	Vetting third party consultants		Atty. Theo Nix, Jr.

Course 7	Drone Photography & Videography	10 HRS	FACULTY
7.01	Aerial Photography & Videography		TBD
7.02	Editing 101-A beginners guide on how to edit your videos. The importance of creating a storyline before you start.		TBD
7.03	Putting music to your videos		TBD
7.04	Introduction to 3-D Mapping from the sky		TBD

Course 8	Drone Workshops and Labs	15 HRS	FACULTY
8.01	Building a hexacopter and Quadcopter		Joe Warwick & other staff pilots
8.02	Flying company drone trainers (quad/hex on a buddy box), in-class flight simulator, and in the field		Staff pilots
8.03	Introduction to your Drone (firmware update, etc.) and registering you and your drone		J. Monaghan or W. Saunders
8.04	Flying your own Phantom Drone		Staff pilots
8.05	Preparing videos for customers		TBD

9	Quizzes, Tests and in-class reviews	4 HRS	Staff pilots

DWS reserves the right to change its course, instructors, curriculum, schedule and teaching order, and length of time of each class and course.

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