

# RFH Tactical Mobility Drone Defense Course Overview

## Course Objective

The Drone Defense Course provides advanced training on the identification, assessment, and mitigation of unmanned aerial system (UAS) threats in modern operational environments. Participants develop tactical and strategic proficiency in counter-drone operations through a blend of classroom instruction, applied learning, and live scenario-based exercises.

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## Instructor

### **Jonathan Wilson, Captain, USAF (Ret.)**

Former RPA Pilot, 17th & 22nd Attack Squadrons, Creech AFB (2010–2013)

Captain Wilson brings extensive operational experience in MQ-1 and MQ-9 systems, drone employment tactics, threat assessment, and counter-UAS strategy.

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## Course Components

### 1. Threat Landscape

- Overview of current and emerging drone technologies and their operational impact.
- Analysis of evolving UAS capabilities across commercial and military applications.

### 2. Applied Learning

- **Case Studies:** Examination of real-world drone engagements and defense operations.
- **Hands-On Training (“Petting Zoo”):** Practical interaction with commonly encountered systems.
- **Field Exercises & Simulations:** Scenario-based training for live threat response.

### 3. Technology & Countermeasures

- **Detection:** Radar, acoustic, RF, and optical detection systems.
- **Identification & Tracking:** Recognition of drone types and effective tracking techniques.
- **Mitigation:** Implementation of non-kinetic and kinetic counter-drone methods.

### 4. Tactical Operations

- Counter-drone integration with **convoy operations, CQC, infantry patrols, boat and dirt-bike operations**, and **tunnel/cave environments**.
- Application of drone assets for tactical advantage and reconnaissance.

## 5. Strategic Planning

- Comparative analysis of **permissive vs. non-permissive airspaces**.
- Development of customized drone defense plans tailored to mission environments.

## 6. Future Trends

- Exploration of next-generation UAS technologies and emerging counter-drone innovations.
- Operational guidance on selecting the right drone platform for specific mission requirements.

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## Conclusion

RFH Tactical Mobility Inc. is committed to advancing mission readiness by delivering cutting-edge training that equips personnel with the knowledge and skills to effectively counter modern drone threats in any environment.