UMS Flight Skills Sign-off

We will use this form to document your progress and proficiency of essential skills needed to safely operate a sUAS. By the end of the semester, you must be able to perform each task in order to receive a passing grade in the course. You are responsible for maintaining this log as a record of your abilities.

Have an instructor initial and date each skill when you feel that you are able to demonstrate mastery of each specific task below.

**Take-off & Landing**

- ____ Manually take-off and bring aircraft to a specified altitude
- ____ Take-off using automated function and bring aircraft to a specified altitude

Manually land within a radius of 1 meter and shut down rotors without any part of aircraft touching the ground except for landing gear:

- ____ Camera facing away from pilot
- ____ Camera facing toward pilot

- ____ Land using automated function and within a radius of 1 meter and shut down rotors without any part of aircraft touching the ground except for landing gear.

**Straight-line flight**

- ____ Demonstrate gradual flight control movements
- ____ Fly a square pattern with camera facing away from pilot
- ____ Fly a square pattern with camera facing a fixed point
- ____ Deviate from a straight line path to avoid an object

- ____ Fly toward an object at a constant altitude. Camera should face the object and demonstrate proper gimbal control to keep object in field-of-view
- ____ Fly away an object at a constant altitude. Camera should face the object and demonstrate proper gimbal control to keep object in field-of-view

- ____ Fly away from an object while increasing altitude. Camera should face the object and demonstrate proper gimbal control to keep object in field-of-view
- ____ Fly toward from an object while decreasing altitude. Camera should face the object and demonstrate proper gimbal control to keep object in field-of-view
**Flying while turning**
- Fly a circular pattern with camera facing away from pilot
- Fly a circular pattern with camera facing a fixed point
- Fly a figure-8 pattern

**Maintain Distance Constant Distance From An Object**
Maintain a constant distance from an object while:
- moving the UAS vertically
- moving the UAS laterally, camera facing perpendicular to object
- moving the UAS laterally, camera facing parallel to object

**Emergency Maneuvers**
- Air-craft spotted – appropriate action
- Fast stop without hitting an object
- Show/Discuss procedure for emergency power-down while in flight
- Demonstrate Return-To-Home function

**Pre-flight**
Inspection of:
- Rotors
- Propellers
- Battery
- Gimbal & Camera
- Air-frame
- Controller & connected devices

- Discuss and describe local airspace classes and any appropriate authorizations
- Discuss and describe current weather conditions and applicability to flight operations