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