GROSSMONT COLLEGE

COURSE OUTLINE OF RECORD

Curriculum Committee Approval: 05/10/2022

GCCCD Governing Board Approval: 06/14/2022

COMPUTER SCIENCE AND INFORMATION SYSTEMS 071-DRONE CINEMATOGRAPHY (Non-Credit)

1. Course Number Course Title Semester Units

CSIS 071 Drone Cinematography 0

Semester Hours 80 lab hours 80 total hours

Prerequisite

Must have FAA 107 Drone Pilots License.

Corequisite

None

Recommended Preparation None

1. Catalog Description

The Drone Cinematography course provides 80 hours of instruction and hands-on flight training. This course covers both basic and advanced cinematography techniques with an emphasis on developing “lifestyle” shots and a creative mindset. The theory and operations of both standard and advanced/precision camera shots is combined with operational scenarios in order to provide students with the ability to match specific and advanced flight profiles for the shots needed.

1. Course Objectives The student will:
   1. Receive flight training drone cinematography
   2. Learn basic and advanced cinematography techniques
   3. Learn flight theory and operations of both standard and advanced/precision camera shots
   4. Learn how to set-up an online portfolio to promote drone work and know how to apply for drone jobs
2. Instructional Facilities

An outdoors area with sufficient room for flying drones, approximately 40 yards square.

1. Special Materials required of Student

None

1. Course Content
   1. Intermediate flight training
   2. Dual stick control operations
   3. Flight training includes flying squares, circles, and figure 8’s
   4. Set-up and use training of drone camera
   5. Flight maneuvers for cinematography and photography
   6. Flight maneuvers and camera settings for real estate
2. Method of Instruction
   1. Lecture and demonstration in a traditional classroom or via electronic means.
   2. Hands on instruction using Flight Lab
   3. Discussion of current drone technology trends and issues
   4. Individual flying time
3. Methods of Evaluating Student Performance
   1. Students will be evaluated on their flight skills, maneuvering, and safety protocols.
   2. Students will be evaluated on the use of the drone camera and various settings for photography, cinematography, and aerial inspections.
   3. Hands-on performance evaluations and a potential written final exam.

## Outside Class Assignments

## None

1. Representative Textbooks
   1. Representative Text(s):

None

* 1. Supplemental texts or Workbook:

None

Addendum: Student Learning Outcomes

Upon completion of this course, students will be able to do the following:

1. Students will learn how to set-up and use the drone camera
2. Students will learn flight maneuvers and techniques used in drone cinematography
3. Students will be able to apply to several drone sourcing companies and get immediate work as a Drone Real Estate Photographer
4. Students will know how to apply for drone jobs and set-up an online portfolio to promote drone work