



MASTER COURSE OUTLINE

Prepared By: Patrick Ford

Date: March 2017

COURSE TITLE

Unmanned Aerial Systems (UAS) Laws & Policies

GENERAL COURSE INFORMATION

Dept.: UMS

Course Num: 210

(Formerly:)

CIP Code: 15.0405

Intent Code: 21

Program Code: 640

Credits: 5

Total Contact Hrs Per Qtr.: 55

Lecture Hrs: 55

Lab Hrs:

Other Hrs:

Distribution Designation: General Elective (GE)

COURSE DESCRIPTION (as it will appear in the catalog)

This course addresses local, state and federal unmanned aerial system (UAS) laws, regulations, policy statements, orders and guidance, as well as civil rights, liberties, ethics, and aircraft/pilot certification.

PREREQUISITES

None

TEXTBOOK GUIDELINES

Introductory textbook determined by unmanned systems faculty (Example: Rupprecht. 2015. Drones – Their Many Civilian Users and the U.S. Laws Surrounding Them. Create Space).

COURSE LEARNING OUTCOMES

Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills.

1. Locate and apply the correct laws and policies to various types of UAS operations
2. Debate the pros and cons of UAS operations, as related to safe and ethical operation
3. Compare and contrast local, state and federal UAS policy statements, orders, and guidance
4. Distinguish the types of UAS operations that might infringe on privacy; explain the reporting required if a violation occurs
5. Explain the options provided by the FAA for both unmanned aircraft and remote pilot certification
6. Distinguish between personal and corporate civil liability (as related to UAS operations)
7. Determine the type(s) of insurance coverage required for notional UAS operations

INSTITUTIONAL OUTCOMES

IO3 **Human Relations/Workplace Skills:** Students will be able to demonstrate teamwork, ethics, appropriate safety awareness and/or workplace specific skills

COURSE CONTENT OUTLINE

1. Federal UAS laws and policies
2. State UAS laws and policies
3. Grant (and neighboring) County UAS laws and policies

4. Data collection ethics
5. UAS court cases and outcomes
6. Personal and corporate civil liability for UAS operations
7. Unmanned aircraft and remote pilot certification

DEPARTMENTAL GUIDELINES *(optional)*

The syllabus must contain evaluation/grading guidelines, class environment/expectations/rules, course learning outcomes, and a disability services statement. A schedule must be provided to students that contains content covered (text chapters, topics, etc.), tentative test dates (to include final date/time).

DIVISION CHAIR APPROVAL

DATE