



AVS 4202 UAS News Portfolio Assignment

Unmanned Aerial Systems (UAS) are a rapidly evolving field. In the past few years, there has been a nearly constant stream of groundbreaking news related to UAS. Individuals and businesses are developing innovative UAS technologies and never before applications for UAS are being pursued (Amazon's package delivery, Yosemite Rim fire fighting support, world wide internet via Google's (formerly Titan Airspace's) atmospheric satellite drone). This, all while lawmakers and the Federal Aviation Administration (FAA) try to keep up! Folks are crashing their Unmanned Aerial Vehicles (UAV's) into the streets of Brooklyn; a man was fined \$10,000 for flying his drone over the University of Virginia Campus. The list is endless!

This portfolio assignment will be a semester-long project. The intent of the project is for you to be actively engaged in news regarding this rapidly evolving field. You will submit your portfolio for grading three times during the semester (see Course Outline for specific due dates). Each "turn in" will contain a minimum of two current news articles related to UAS and concepts from the course. By the semester's end, you will have collected a minimum of six articles.

I will accept either an online submission or a paper submission. The online submission should have the articles submitted as a .pdf or Microsoft Word® file. The analysis should be in a Microsoft Word® document. The paper submission should be provided with the articles printed out and stapled in the upper left-hand corner.

The article should have the date it was published included. The analysis of the articles should be a 1-page summary (300-500 words) of each article and analysis of how it relates to concepts from the course. The paper copy of each summary and analysis should be printed and stapled in the top left-hand corner. All references should be provided in your write up and analysis. Focus on questions such as (*and these are just examples, not an exhaustive list, please don't answer these one by one*):

- How does this relate to course concepts? (This is the most important aspect of this assignment!)
- How will this affect UAS users/innovators/developers, the FAA, and/or the general public? What other entities may be impacted?
- How could this impact me?
- What other issues may arise from this news story?
- If two or more views are presented in the article, which do you align yourself with and why? In addition to the 3 portfolio "turn ins," you will each make a 5-minute presentation of the article or articles (up to 2) that you found to be most relevant and/or interesting and why. For this presentation, you should be prepared to summarize the article for the class, as well as discuss its implications (much like your written analysis). You should also use a visual aid of your choosing (PowerPoint, keynote, etc.) Include all references at the end of your presentation.

Portfolio Assignment							
Criteria	Ratings					Pts	
Content/Information - How does this relate to course concepts? Between 300 and 500 Words.	40.0 pts Meets All Requirements. Greater than 300 words.	20.0 pts Meets Most Requirements. Between 200 and 300 words.	10.0 pts Meets Some Requirements. Word count between 100 and 200 words.	5.0 pts Barely Meets the Criteria. Less than 100 words.	0.0 pts Does not meet the criteria at all.	40.0 pts	
How will this affect UAS users/innovators/developers, the FAA, and/or the general public? What other entities may be impacted?	30.0 pts Answered both questions.	15.0 pts Only partially answered the questions.	7.0 pts Made an attempt to answer the questions.	0.0 pts Did not meet the criteria at all.	30.0 pts		
Quality of Writing Clarity of sentences and paragraphs Spelling, grammar and use of English Organization and coherence of ideas. Included References.	20.0 pts Met the criteria completely.	15.0 pts Grammar and Spelling not adequate. Included references.	10.0 pts Partially met the criteria.	5.0 pts Met some of the criteria.	0.0 pts Did not meet the criteria.	20.0 pts	
1) How could this impact me? 2) What other issues may arise from this news story? 3) If two or more views are presented in the article, which do you align yourself with and why?	10.0 pts Answered all questions.	8.0 pts Answered at least two out of the three questions. If there are no opposing views, answering question 3 is not required.	4.0 pts Only answered one of the questions.	0.0 pts Did not meet the criteria	10.0 pts		
Total Points: 100.0							

Presentation Rubric

Criteria	Ratings				Pts
Content follows assignment requirements	20.0 pts Article is relevant, recent, well summarized, and clearly and thoroughly tied to course concepts.	10.0 pts Article is relevant and recent, satisfactorily summarized and tied to course concepts.	6.0 pts Article is somewhat relevant, basically summarized and loosely tied to course concepts.	0.0 pts Article does not meet assignment criteria.	20.0 pts
Visual Aids	20.0 pts Visual aids well chosen and presented.	10.0 pts Minor problems with visual aids.	6.0 pts Significant problems with visual aids.	0.0 pts No visual aids.	20.0 pts
Organization of presentation.	20.0 pts Has a good introduction, body, and conclusion.	10.0 pts Presentation is not well thought out and organized.	6.0 pts Hard to follow the presentation.	0.0 pts Presentation has no organization.	20.0 pts
Presentation Skills	10.0 pts Use of language and clarity of speech is excellent.	5.0 pts Use of language and clarity needs improvement.	3.0 pts The presenter is hard to understand and does not use the language well.	0.0 pts The presenter cannot be understood.	10.0 pts
Time = 5 minutes	20.0 pts Within allotted time +/- 1 minute.	10.0 pts Within allotted time +/- 2 minutes.	6.0 pts Withing allotted time +/- 3 minutes	0.0 pts Greater than +/- 3 minutes of allotted time.	20.0 pts
Includes references in presentation.	10.0 pts All references listed	5.0 pts Some references listed.	0.0 pts No references listed		10.0 pts

Total Points: 100.0