# To Do

1. Film interviews with
   1. Chris Lum (discussion on structure and goals of the class)
   2. Hannah Rotta (similar input as Chris)
   3. Bryson Bruno (student testimonial)
2. Find some open-source audio (for example <https://www.bensound.com/> )
3. Get video recording equipment from Hannah
4. Investigate software licenses (<https://itconnect.uw.edu/wares/uware/adobe-creative-cloud/> )
5. Upload source videos to K drive (do NOT put these on Perforce as they are too large)
6. Obtain external HD to temporarily hold files (or a Google drive folder)
7. Hopefully we can get this done by Dec. 5.
8. Chris – Edit and finalize the script
9. Chris – find another student to do the interviews and give files to Tushar.
10. Add speakers to AFSL04

# Rough Script

1. (OPTIONAL) Opening Title Card (name of class, etc.)
2. Chris Lum interview/explaining of the class.
   1. During the interview, we can switch to a voiceover while showing some footage showing aircraft flying around and students interacting with UAS.
   2. Pause/cut away from Chris Lum video
3. Student interviews
   1. Talk about how cool the class is, what the benefits are, how this has transitioned to research opportunities and additional experiences.
   2. Just grab a few “sound bites” for these sections.
   3. Maybe just have 2 student interviews @ 15 seconds each
4. Cut back to Chris Lum discussing second half of interview
   1. Can insert a few videos of aircraft flying around again.

## Chris Lum Interview Script

**Part 1: Class Description and Activities**

The Drones and Unmanned Aircraft Systems class is one that we are very excited to be offering. As the title of the class suggests, this course focuses on unmanned aircraft systems which are rapidly becoming one of the fastest growing areas of the aerospace industry. In this class, students will be exposed to the history, theory, and practical aspects of automated aviation and robotic aircraft. Over the course of 4 weeks, students will learn about basic aircraft theory when we investigate topics such as aerodynamics, propulsion, avionics, and control. In addition to just learning about the theory, students will get a chance to get their hands dirty by working on some actual aircraft. Students will work with a research laboratory in the department of Aeronautics & Astronautics and take some of their aircraft into a lab to get some hands on experience doing things like programming aircraft autopilots, setting up ground control stations, integrating sensors, and planning missions. All of this work is building up to the culmination of the class where students will get a chance to actually fly their aircraft. This is really what makes the class unique. We take students to a flight test facility and they get a chance to conduct actual field experiments with their UAS. Beforehand, we spend almost a month in the classroom studying, designing, and building these system and to see it actually fly after all this hard work is one of the greatest feelings and experiences in the world; students literally get to see their ideas take flight.

**Part 2: Early Fall Start Exploration Seminar Series Discussion**

This class is part of the Early Fall Start Exploration Seminar series at the University of Washington. This is a unique program where incoming freshman are given the opportunity to take a class 4 weeks before the official start of Fall Quarter. This is a really great opportunity as it allows students to have a nice, smooth transition from high school to college. They can spend 4 weeks focusing on just a single class instead of multiple simultaneously. In addition to technical content, in this class we cover topics such as how to get software through the UW, where to eat around campus, how to get involved with student organizations and clubs, etc. These tips and tricks are things that you wouldn’t get in a normal class but will help setup students for success and benefit them during their entire UW academic career. ~~The students who don’t participate in this program show up at the start of fall quarter are immediately hit with 3-4 classes while simultaneously trying to figure out the non-academic issues that are covered in this class~~.

While the topics in the class are technical, this is an introductory class and as such, we welcome students of all background. While this class obviously attracts a lot of prospective engineers, in the past, we’ve had students who were interested in archaeology, geography, sociology, physiology, and medicine. Really, for anyone who wants to who wants to start their career at UW off on the right foot, this is the class for you.