



AME-491 Undergraduate Design Projects – USC AeroDesign Team

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Below are the requirements for earning credit in AME 491:

Note, it is strongly recommended that you be a part of the AeroDesign Team for at least one (1) semester before enrolling in AME-491. A requirement for earning credit is that you make a significant contribution to the team by designing and building something that is useful for the current team or will be useful for many years to come. It will be difficult to accomplish this requirement if you have not experienced what the team does or have not operated and contributed in the ADT lab.

- **Participate!** Contribute to the design, construction and flight test efforts.
- **Monday Meetings:** 7pm in BHE 301 (enter from the exterior, east staircase)
 - Attendance required – sign in at the beginning of the meeting.
 - Stay informed and contribute to the discussion.
 - Prepare slides for a Monday meeting and show the team what you're doing for your project (see below).
- Throughout the semester, you need to:
 - **Complete a project** that will significantly contribute to this year's plane or enhance the ADT lab capabilities for future years.
 - This will require a hands-on effort in the ADT lab; dress accordingly and complete **Lab Safety Training** before attempting to get your hands dirty.
 - **Document your work:** write a wiki page that serves as a useful reference and describes what you did, why you did it, how it was fabricated, and how to use the apparatus. This will be written directly to and stored on the team's website.
 - Note: The ADT wiki system is the team's knowledge base. The page(s) you write should be incredibly specific on what ADT does. The content must be valuable to the team and not something anyone can find online; we already have Google (and Wikipedia) for that!
- **Get a notebook**
 - Something rigid that can survive the lab. You'll need this to write notes on what you did throughout the semester.
- **Email** the Program Manager at usc.adt@gmail.com and ask to be placed on the team email distribution list.

If you "agree to the terms" outlined above and want to enroll, send one email to your AME academic advisor (ameugrad@usc.edu) and CC me (radovich@usc.edu) stating that you understand the requirements. I will then reply-all and approve your D-Clearance.