Schedule for End of Preplanned Labs + Start of Student Project

- Lab 3 recitations this week and next.
- Lab 3 finishes on Friday, 27 February 2026
- Lab 3 report due Monday, 9 March 2025
- Teams must be formed by Wednesday of Week 7 (we will document in class).
- Week 8: Half of groups present on Monday and half on Wednesday. This is our time to discuss before you submit a "white paper".

6	Intro. to Project (16 Feb.)	Lab 3 Recitation (Teams 1 - 4)	Lab 3 (Shock/Boundary-Layer Interaction) **Report Due 9 March**
7	Lab 3 Recitation (23 Feb.) (Teams 5 - 10)	More on Project	
8	Project Discussions (2 Mar.)	Project Discussions	
9 - End	TBD (Project Recitations)	TBD (Project Recitations)	
B. Chynoweth. Last Update: 6 January 2026			

Outline of Schedule for Student Projects

- M-W 4:30 sessions to be used for group discussions/progress reports, for the remainder of the term, except for special issues as required.
- Beginning with Monday 10 March: Monday will be half the teams, Wed. is the rest (TBD). Present an update to facilitate discussion; slides are helpful as with the pre-set labs.
- 8 weeks plus finals week for giving oral presentations
- Use these weekly meetings to get help with your problems! Describe your progress, plans, and problems.
- If you need machine-shop work done, try to get your design submitted before spring break (begins March 16). The shop queue gets long and your time is short.
- Machine-shop drawings must be approved by a TA, before being submitted, and you must have material ready to cut.

Due Dates for Student Projects

- White papers are due on Monday, 9 March at 5 PM. E-mail to TA and professor. Title, group members, concept for project – facility, model, instrumentation. A couple of clear, concise paragraphs. To be discussed by e-mail, in meetings, and during discussion sessions week prior.
- Written proposal due Monday, 16 March at 5 PM. A more detailed write-up of your plan – why, how, when. A few pages.
- Draft of Introduction and Background sections due Monday 6 April 2026 at 5 PM. Detailed review of previous work to be incorporated into your final report.
- Draft of Apparatus section (and preliminary results if you have them) due Monday 20 April 2026 at 5 PM.
- Brief summaries of your final reports are to be presented during the time scheduled for the 'final exam' on Monday, 4 May from 8 to 10 AM in NISW 184. In-person presentation. Please send slides ahead of time.
- Final written reports due Friday, 6 May at 8 AM. One electronic PDF per team sent to Prof. Chynoweth and TA.

More on Student Projects

- Do your labs whenever appropriate. Everyone should get approval to swipe their ID at ASL so they have after-hours access through the North door. Be safe.
- Help us with building security – don't prop the doors open.
- Help us keep the building a good place to work, clean up after yourself. Final grade will not be assigned until work site is cleaned up.
- Budget for experiments is small, unless you get a professor to buy in – possible if your project aligns with larger interests.
- Get help choosing and borrowing equipment
- Shop time is available in limited quantities.
- More resources will be made available for projects with a long-term benefit to AAE courses or research.
- Use your project as a warmup for a thesis?
- But project should not be any part of your thesis plan.

Budget, Schedule, Quality, and Planning

- Your project is like every other – quality is limited by budget and schedule. Your job is to be creative, skilled, and conscientious in accomplishing as much as you can, of the most important tasks, within available resources.
- Developing an apparatus that works often takes most of the schedule and budget. Allow time for this iterative process!
- Planning is a critical element. Be creative in examining available resources (what are they?) and putting them together in a new way, an effective way, to address a relevant problem.
- What's been done before? What are the key issues? Your literature search should help here, but you have to pick a topic first!
- Is your experimental concept feasible? Can you estimate what you might see?
- Be prepared to adjust your plan as you get preliminary results or fail to get preliminary results.