

Strategic Plan: Spring 2025

Darin Lin

August 25, 2025

1 Semester Goals

1. GRADUATE

- (a) Improve current OCIMM to work in all scenarios, i.e. doesn't diverge
 - (b) Obtain results for this filter in various scenarios
 - (c) Demonstrate OCIMM in geocentric scenario
 - (d) Write thesis based on the OCIMM and these results
2. Write a journal paper on the OCIMM
 3. Attend the class I'm auditing (AAE 632)
 4. Be a good TA (AAE 333, fluid mechanics)
 - (a) Relearn fluid mechanics
 - (b) Stay on top of creating homework solutions
 - (c) Deliver good office hours and homework help sessions
 5. Prepare for the Air Force
 - (a) Get faster to compete in Purdue Half Marathon and to do well in Air Force Fitness Test
 - (b) Get stronger for the Air Force (bench body weight for reps)
 - (c) Remain healthy

2 Key Events

1. Air Force flight physical (week of September 8)
2. Purdue Half Marathon (October 18)
3. Graduation date (December 21)

3 Short-term Objectives

Week	Objectives
Aug 24	<ul style="list-style-type: none">• First week, familiarize
Aug 31	<ul style="list-style-type: none">• TA: Tue, September 2, LAMB 104• TA: Wed, September 3, LAMB 104

Sep 7	<ul style="list-style-type: none"> • FLIGHT PHYSICAL IN WRIGHT-PATTERSON • TA: Tue, September 9, ARMS 1010 • TA: Wed, September 10, LAMB 108 • TA: Thu, September 11, LAMB 108
Sep 14	<ul style="list-style-type: none"> • TA: Tue, September 16, ARMS 1010 • TA: Wed, September 17, LAMB 108 •
Sep 21	<ul style="list-style-type: none"> • TA: Tue, September 23, ARMS 1010 • TA: Wed, September 24, LAMB 108 •
Sep 28	<ul style="list-style-type: none"> • TA: Tue, September 30, ARMS 1010 • TA: Wed, October 1 - Midterm, 8-10pm, BHEE 129/WALC 1055
Oct 5	<ul style="list-style-type: none"> • TA: Tue, October 7, ME G061 • TA: Wed, October 8, LAMB 108 •
Oct 12	<ul style="list-style-type: none"> • Mon-Tue, October 13-14, FALL BREAK • TA: Wed, October 15, LAMB 108 • Sat, October 18 - Purdue Half Marathon, 8am
Oct 19	<ul style="list-style-type: none"> • TA: Tue, October 21, ARMS 1010 • TA: Wed, October 22, LAMB 108 •
Oct 26	<ul style="list-style-type: none"> • TA: Tue, October 28, ARMS 1010 • TA: Wed, October 29, LAMB 108 •
Nov 2	<ul style="list-style-type: none"> • TA: Tue, November 4, ME G061 • TA: Wed, November 5 - Midterm, 8-10pm, PHYS 114/PHYS 112/PHYS 203
Nov 9	<ul style="list-style-type: none"> • TA: Tue, November 11, ARMS 1010 • TA: Wed, November 12, LAMB 108 •
Nov 16	<ul style="list-style-type: none"> • TA: Tue, November 18, ARMS 1010 • TA: Wed, November 19, LAMB 108 •
Nov 23	<ul style="list-style-type: none"> • TA: Tue, November 25, ARMS 1010 • Thanksgiving week, Wed, Nov 26-29 are OFF
Nov 30	<ul style="list-style-type: none"> • TA: Tue, December 2, ARMS 1010 • TA: Wed, December 3, LAMB 108 •
Dec 7	<ul style="list-style-type: none"> • TA: Tue, December 9, LAMB 1010 • TA: Wed, December 10, LAMB 108 •
Dec 14	<ul style="list-style-type: none"> • FINAL EXAM WEEK (not my problem)