

ME 424B&X3 – Syllabus

Stevens Institute of Technology

Course Title: Engineering Design VIII, ME 424

Time & Location: Tues & Thurs, 2:30pm – 4:20pm (Burchard 103)

Instructor: Dr. Biruk A. Gebre (Office: C-304)

E-mail: bgebre@stevens.edu (Please include ME 424B in the subject line of email correspondence)

Grading Percentages: Phase 4: Report (15%) and Presentation (15%) – 30%

Phase 5: Progress Presentation – 15 %

Phase 6: Report (15%) and Presentation (15%) – 30%

Project Website – 5%

Beta/Virtual prototype demo (final presentation and innovation expo) – 5%

Individual contribution to project (CATME peer survey) – 15%

Peer evaluation of other projects – **+5%** (Extra credit)

Website: Canvas (All course content)

Syllabus (Subject to change – lookout for course announcements on Canvas):

Tuesdays will primarily be used for lectures and teamwork.

Thursdays will primarily be used for advisor/team meetings and presentations.

Tuesday	Topic	Thursday	Topic
		Jan 18	Advisor/Team Meeting
Jan 23	Course Intro, Phase 4 Overview	Jan 25	Advisor/Team Meeting
Jan 30	Project Workspace Briefing	Feb 1	Advisor/Team Meeting
Feb 6	Arduino/Mechatronics Refresher**	Feb 8	Advisor/Team Meeting
Feb 13	Teamwork/Meeting Time*	Feb 15	Advisor/Team Meeting
Feb 20	Teamwork/Meeting Time*	Feb 22	Special guest lecture ¹
Feb 27	Phase 4 Reports Due	Feb 29	Phase 4 Presentations
Mar 5	Phase 5 Overview Lecture	Mar 7	Advisor/Team Meeting
Spring Recess (Mar 10 – Mar 17)			
Mar 19	Teamwork/Meeting Time*	Mar 21	Advisor/Team Meeting
Mar 26	Teamwork/Meeting Time*	Mar 28	Advisor/Team Meeting
Apr 2	Updated Website Due	Apr 4	Phase 5 Presentations
Apr 9	Phase 6 Overview Lecture	Apr 11	Advisor/Team Meeting
Apr 16	Teamwork/Meeting Time*	Apr 18	Innovation Expo posters Due
Apr 23	Final Project Website Due	Apr 25	Phase 6 Reports Due
Stevens Innovation Expo (Friday Apr 26)			
Apr 30	Phase 6 Presentations	May 2	Friday Class Schedule

* Additional workshops and invited speakers may be scheduled on these dates. I will also be available for office hours during this time. Please send me an email if you would like to schedule a Zoom meeting with me during these dates/times.

** Optional workshop

¹ Special Guest Lecture by [Dr. Mahantesh Hiremath](#), "Shaping Your Career on Your Own Terms," location will be announced on Canvas