

ME 423 B&X3 – Syllabus

Stevens Institute of Technology

Course Title: Engineering Design VII, ME 423

Time & Location: Tues & Thurs, 2:30pm – 4:20pm (K228 & Zoom)

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

E-mail: bgebre@stevens.edu (Please include ME 423 in the subject line of email correspondence)

Grading Percentages: Phase 1: Report (15%) and Presentation (15%) – 30%

Phase 2: Progress Presentation – 15 %

Phase 3: Report (15%) and Presentation (15%) – 30%

Project Website – 5%

Alpha prototype demo – 5%

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

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

Website: Canvas (All course content)

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

Tuesdays will primarily be used for lectures, workshops, and invited speakers

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

Tuesday	Topic	Thursday	Topic
		Oct 29	Project Sign-ups open on Canvas
Sep 3	Course Introduction & Section Migration	Sep 5	Interdisciplinary Projects Sign-ups
Sep 10	Phase 1 Overview Lecture	Sep 12	Advisor/Team Meeting
Sep 16 (Monday)	Add/Drop Deadline	Sep 19	Advisor/Team Meeting
Sep 17	Library Info Session (Courtney Walsh) ¹	Sep 26	Advisor/Team Meeting
Sep 24	Office hours / Workshop/ Invited Speaker*	Oct 3	Phase 1 Presentations
Oct 1	Phase 1 Reports Due	Oct 10	Advisor/Team Meeting
Oct 8	Phase 2 Overview Lecture	Oct 17	Advisor/Team Meeting
Oct 15	No Class (Monday class schedule)	Oct 24	Advisor/Team Meeting
Oct 22	Purchasing, Vendors, and Prototyping	Oct 31	Advisor/Team Meeting
Oct 29	Machine Shop, EH&S, and RP ²	Nov 7	Phase 2 Presentations
Nov 5	Initial Project Websites Due	Nov 14	Advisor/Team Meeting
Nov 12	Phase 3 Overview Lecture	Nov 21	Advisor/Team Meeting
Nov 19	Office hours / Workshop/ Invited Speaker*	Nov 28	Thanksgiving Recess
Nov 25	Office hours / Workshop/ Invited Speaker*	Dec 5	Advisor/Team Meeting
Dec 3	Office hours / Workshop/ Invited Speaker*	Dec 12	Phase 3 Presentations
Dec 10	Phase 3 Reports Due		

1) Information Literacy Workshop (review of library resources) – Courtney Walsh (Stevens Library)

2) Machine shop safety, Environmental Health & Safety, Rapid Prototyping Lecture

* Additional workshops and invited speakers may be scheduled throughout the semester. Dates will be announced on Canvas.