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
		Sep 1 (Friday)	Project Sign-ups open on Canvas
Sep 5	Course Introduction & Section Migration	Sep 7	Interdisciplinary Projects Sign-ups
Sep 12	Phase 1 Overview Lecture	Sep 14	Advisor/Team Meeting
		Sep 15 (Friday)	**Add/Drop Deadline**
Sep 19	Library Info Session (Courtney Walsh)[1]	Sep 21	Advisor/Team Meeting
Sep 26	Office hours / Workshop/ Invited Speaker[*]	Sep 28	Advisor/Team Meeting
Oct 3	**Phase 1 Reports Due**	Oct 5	**Phase 1 Presentations**
	Phase 2 Overview Lecture		
Oct 10	No Class (Monday class schedule)	Oct 12	Advisor/Team Meeting
Oct 17	Office hours / Workshop/ Invited Speaker[*]	Oct 19	Advisor/Team Meeting
Oct 24	Purchasing, Vendors, and Prototyping	Oct 26	Advisor/Team Meeting
Oct 31	Machine Shop, EH&S, and RP [3]	Nov 2	Advisor/Team Meeting
Nov 7	**Initial Project Websites Due**	**Nov 9**	**Phase 2 Presentations**
Nov 14	Phase 3 Overview Lecture	Nov 16	Advisor/Team Meeting
Nov 21	Office hours / Workshop/ Invited Speaker[*]	Nov 23	Thanksgiving Recess
Nov 28	Office hours / Workshop/ Invited Speaker[*]	Dec 30	Advisor/Team Meeting
Dec 5	Office hours / Workshop/ Invited Speaker[*]	**Dec 7**	Advisor/Team Meeting
Dec 12	**Phase 3 Reports Due**	**Dec 14**	**Phase 3 Presentations**

1) Information Literacy Workshop (review of library resources) – Courtney Walsh (Stevens Library)
2) Product Development Lifecycle Webinar – Mark Biamonte (Director of Engineering at Collins Aerospace)
3) 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.