

BIOMEDE 350: Introduction to Biomedical Engineering DesignTentative schedule for Winter 2026 semester, *updated 2/10/2026***Time:** 2:30-4:30 pm Monday/Wednesday **Location:** Beyster 1620

Day	Date	Lecture Topics, Computing Tutorials, and Activities	Assigned	Due (at Midnight)
Mon				
Wed	1/7/2026	Intro to Design & FDA, Course/Project Overview, Teamwork	Team Reflection CATME	CATME (1/9 at midnight) Team Reflection (1/13 at midnight)
Mon	1/12/2026	User Needs & Problem Definition, Library Tools	User Needs draft In class: Reference hunt	
Wed	1/14/2026	Team Charter & Project Management	In class: Team Charter	
Mon	1/19/2026	<i>Martin Luther King Jr. Day</i>		
Wed	1/21/2026	Design Inputs + PWT	Design Inputs draft	User Needs draft
Mon	1/26/2026	Inputs PWT		
Wed	1/28/2026	Brainstorming, Concept Evaluation + PWT		Design Inputs draft
Mon	2/2/2026	Drafting, 3D visualization, & Outputs	Preliminary Design Review Solidworks 1,2,3 In Class: sketches	
Wed	2/4/2026	Outputs & Assignment work time (Solidworks 1&2)		Solidworks 1
Mon	2/9/2026	Brainstorming & Process Check-in: Delivery and Geometry Assignment work time (Solidworks 2)		Solidworks 2
Wed	2/11/2026	V&V Intro + Solidworks 3 work time		
Mon	2/16/2026	V&V Intro + Assignment work time (Solidworks 3 / PDR)		Solidworks 3
Wed	2/18/2026	Teamwork Check-in & MATLAB	MATLAB HW	
Mon	2/23/2026	Preliminary Design Review	CATME Peer Reviews	Preliminary Design Review Slides - Due 2pm
Wed	2/25/2026	Preliminary Design Review		Preliminary Design Review Slides - Due 2pm CATME Peer Reviews Due 2/27 11:59pm
Mon	3/2/2026	<i>Spring Break</i>		
Wed	3/4/2026			
Mon	3/9/2026	V&V Refresher & COMSOL tutorial 1	V&V Plan	MATLAB HW (3/10 11:59PM)
Wed	3/11/2026	Finite element modeling (Dr. Figueroa)		
Mon	3/16/2026	COMSOL tutorial 2	COMSOL 1 COMSOL 2	
Wed	3/18/2026	Assignment work time (COMSOL 1)		COMSOL 1
Mon	3/23/2026	COMSOL tutorial 3	COMSOL 3	
Wed	3/25/2026	Project Final Deliverables + work time (COMSOL 2)	Final DHF Final Design Review	COMSOL 2
Mon	3/30/2026	Assignment work time (COMSOL 3)		V&V Plan
Wed	4/1/2026	Project Import Tips & PWT		COMSOL 3
Mon	4/6/2026	Design Overview and Future & PWT		
Wed	4/8/2026	PWT		
Mon	4/13/2026	Final Design Review	CATME Peer Reviews	Final Design Review Slides Slides - Due 2pm
Wed	4/15/2026	Final Design Review		Final Design Review Slides Slides - Due 2pm
Mon	4/20/2026	PWT (update DHF based on FDR feedback)		
Fri	4/24/2025	"Exam" (Only DHF, no formal exam)		Final DHF (report) CATME Peer Reviews

Abbreviations: Food and Drug Administration, FDA; Project Work Time, PWT; Design History File, DHF; Final Design Review, FDR