

Work Breakdown Structure

ECE 401 - Homework #2 - Due Week #3

Create a OneNote document (one document per group)

Call your OneNote document SD401_XX_YY

- XX is the term (Fa24, etc), YY is your group number

Add sections for each major activity (homework sets)

- Fill in HW2: Project Charter, Engineering Requirements, & Gantt Chart

Share your OneNote document with each member of your group and your instructors

Section major activities	Page tasks	Content (fill in throughout the semester)
HW1: Project Selection	Project Description	
	Contact Information	names, email, phone of students in your group
HW2: Requirements	Project Charter <i>fill in week #2</i>	Short Description Time Frame (16 weeks) Budget (\$50)
	Engineering Requirements <i>fill in week #3</i>	What your device does Give hard numbers so you have something to design to
	Gantt Chart <i>fill in week #3</i>	what needs to get done when you plan on doing each task
HW3: Paper Design	Circuit Schematics	Circuit Schematic
	Calculations	Calculations for R's and C's Expected voltages and currents
HW4: Simulation	CircuitLab	CircuitLab schematic Simulation results
	Comparison vs. Calculations	Compare simulation to calculations
HW5: Breadboard	Schematic	
	Breadboard	Photo of breadboard Measurements Signals at Test Points
	Parts List	part, value, quantity
HW6: PCB Layout	PCB Layers	Top, Bottom, Top Silk Screen
	Gerber Files	
HW7: Final Report	PCB Testing	Photo of PCB Measurements Signals at Test Points
	Poster	