

3: Individual Tasks & ECE Concepts

ECE 403: Homework #3

include in OneNote as a page under each student's section

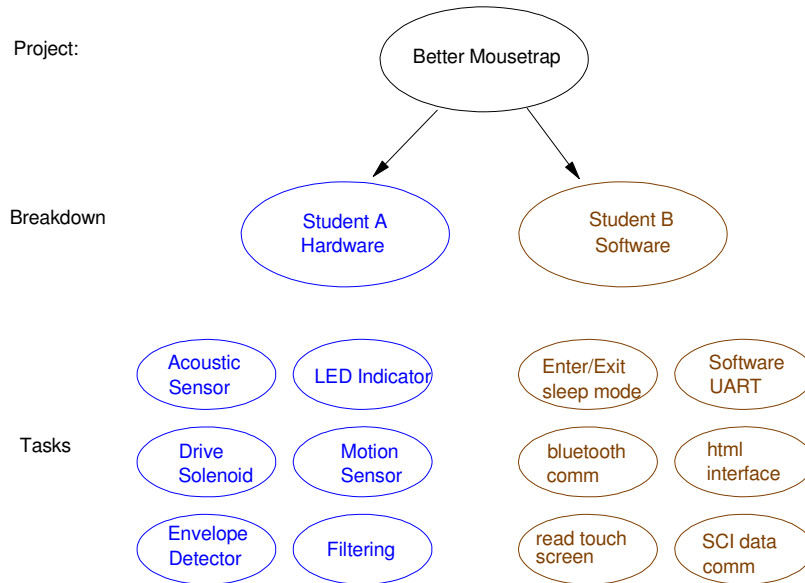
Project Breakdown

Split your project into N sections: one section per student (done in homework #2: may need revision)

Define the role of each student on your project (done in homework #2: may need revision)

For each student, (each student's section on OneNote - see next page),

- Identify the technical challenges you need to solve in ECE 403
- Identify and list the tasks that need to be completed in ECE 403
- Specify when each task is to be completed in ECE 403 (Gantt chart)



Task <i>Student A</i>	Week															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Project Selection (HW1)																
Project Breakdown (HW2)																
Task 1: Build microphone circuit																
Task 2: Add a low-pass filter																
Task 3: Add an envelope detector																
Task 4: Drive a Solenoid																
ECE Tools (HW8)																
Sr Design Expo (HW10)																

OneNote

In each student's section, provide

- What your role is in the project,
- A Gantt chart which includes
*The tasks you need to complete in ECE for, and
When you plan on doing each task*
- Four advanced ECE concepts you'll use in ECE 403
*Specify the ECE concept
Explain how it will be applied to your section*
- Two ECE tools you'll use in ECE 403
Oscilloscopes, multimeters, programmers, debuggers, spectrum analyzers, etc.

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Sections	Pages Within Section	Page Content
Contact List	Group Contact Info	<i>Student A: phone, email Student B: phone, email Sponsor: email</i>
HW2: Requirements	Overall System Description & Requirements	<i>Project Description How you'll split into N sections Role of each student on project</i>
Student A <i>hardware</i>	HW3: Tasks & Concepts	<i>Your role in the project List of tasks you need to complete in ECE 403 Gantt chart showing when tasks are to be done List four ECE topics you'll apply List two ECE tools you'll use</i>
	Task #1	<i>fill in later during the semester</i>
	Task #2:	<i>fill in later during the semester</i>
	Task #3:	<i>fill in later during the semester</i>
	HW8: ECE Tools	<i>Two tools used in design</i>
	HW10: Sr Design Expo	
Student B <i>software</i>	HW3: Tasks & Concepts	<i>Your role in the project List of tasks you need to complete in ECE 403 Gantt chart showing when tasks are to be done List four ECE topics you'll apply List two ECE tools you'll use</i>
	Task #1	<i>fill in later during the semester</i>
	Task #2:	<i>fill in later during the semester</i>
	Task #3:	<i>fill in later during the semester</i>
	HW8: ECE Tools	<i>Two tools used in design</i>
	HW10: Sr Design Expo	