Building a receiver for 10 MHz from the blocks we’ve studied this quarter.

Quote, from Allison Parent: Do the easy stuff so you know why it is really hard to get right.

Tasks for this week. General: everyone should be able to draw the block diagram of the class receiver on a white board, and explain what each block does. Then go into detail on a few blocks.

Lecture, more on: Filter practice. Real inductors and capacitors. The importance of picohenries and femtofarads.

Component Q

Autotransformers and tapped capacitors.

Design of a variable frequency oscillator.

Example variable frequency oscillator. How to simulate, how to test, variable frequency oscillator practice.

For next week: continue building and testing individual blocks. By next Wednesday March 11 we should have all the pieces sort of working for assembly and demonstration during the Final exam period on Monday.