Homework #3

- From Imaging Experiment:
- **Assignment**: Add additional code to the MATLAB script ***ImagingExperiment.m***. This new section should use the Fourier encoding matrix to recover the coefficients (and should work for both real and complex valued coefficients). The input parameters including the FOV=20 cm, and $\Delta x = FOV_x / N_{pixels,x}$ $\Delta y = FOV_y / N_{pixels,y}$. Note that the number of pixels is determined by the input matrix and that dt and dt_y are chosen using other restrictions, so for now we will use 4 us and 500 us respectively. We will also use $|G_{y,max}|$ = 30 mT/m.

- You will have to pay special attention to how you encode you image, the x- and y-coordinates you choose for you image, and the sampling patterns you use (note how we sample with even-numbered samples!)

Homework #3

- From Imaging Experiment:
  - Answer the questions spread out through in Imaging_Experiment.pdf, soon to be uploaded to share
  - Examine the various ***.m*** files uploaded for this assignment (beyond ImagingExperiment**.m**)