

- The basics of astronomical imaging
  - photon-counting devices
  - energy-collecting devices
  
- The basics of the FITS format
  - image header (imh)
  - image pixel table (pix)
  
- The basics of IRAF
  - initializing, starting, quitting
  - packages, tasks, parameters
  - image headers – summary, long, pagination
  - image statistics – min, max, mean, median
  - image pixel coordinates and values
  - image plots and frame buffers
  - histogram plots, surface plots, contour plots
  - figuring out cursor positions
  - examining images interactively
    - print pixel value under the cursor, [x]
    - print pixel values under the cursor, [z]
    - print useful information about the star under the cursor, [a]
    - draw a surface plot, [s]
    - draw a line plot, [l]
    - draw a radial profile of the region, [r]
    - etc, etc – read the docs on imexamine
  
- Lab 1 due by the end of class time