

GPGN 461/561 Lab Syllabus, Fall 2011
Instructor: John Stockwell

- 25 August
 - system setup, Intro to Unix/Linux
 - SU and Unix/Linux — display gaining
- 1 September
 - getting started in SU, seismic trace headers
- 8 September
 - migration as depth conversion, intro to poststack (zero-offset) migration
- 16 September
 - several types of poststack migration, examples
- 23 September – Week of SEG, no class
- 30 September
 - reading, gaining, and sorting data, CMP-NMO stack
- 6 October
 - semblance and beginning velocity analysis I
 - multiple suppression with the Radon transform
 - velocity analysis
- 13 October
 - spectral methods
 - deconvolution
- 20 October
 - velocity analysis II and NMO/Stack
 - horizon picking, simple velocity model building
- 27 October
 - Putting it all together
- 3 November - beginning of the final project
- 23-27 November - Thanksgiving break
- 5 Dec - beginning of Dead Week
- 8 Dec - fall semester ends
- Final project presentations during Finals Week