GLG310--Structural Geology, Fall 2012

Professor Ramón Arrowsmith
Teaching Assistants David Haddad (david.e.haddad@asu.edu) and Dominique Garello (dgarello@asu.edu)
Tuesdays and Thursdays, 10:30-11:20 AM ISTB4-185 [will move to 240!] (Lecture)
Mondays OR Thursdays 1:30-4:30 pm, PSH 450 or in the field (Lab)

Announcements Syllabus Schedule Weekly lecture notes GLG310 Labs Links

Rotating porphyroblast in amphibolite (Alps)
Folding at Bamhardt Canyon

Left-lateral offsets along the Altyn Tagh Fault

Mohr Circle and equations for stress

\[ \sigma = \frac{1}{2} (\sigma_1 + \sigma_3) + \frac{1}{2} (\sigma_1 - \sigma_3) \cos 2\theta, \]
\[ \tau = \frac{1}{2} (\sigma_1 - \sigma_3) \sin 2\theta. \]
Barnhardt Canyon Field trip

Field trip this Saturday (October 19) to Barnhardt Canyon (near Rye AZ). We will leave at 8 am from campus (H-wing loading doc) and we will return by 6 pm to campus.
Meet in the ISTB4 south side parking lot
Barnhardt Canyon work area
Payson Weather Forecast

10-Day Forecast for Payson

Saturday, 19

70 | 34 °F

Clear

0% Chance of Precipitation
What to bring

- Layered clothing (cold in the valley)
- Ruler
- Brunton/silvacompas
- Lunch
- Water
- Clipboard and paper
- Drawing tools
- Hiking shoes

(check the what to get list from lab)