



Week 1

Wednesday

The Regional Precambrian architecture and its influence on Laramide tectonics – We start with regional Precambrian geologic history of the northern Rocky Mountains and by looking at Precambrian outcrops in the Black Hills of South Dakota. We then look at the Precambrian basement of several other Laramide, Precambrian basement involved uplifts as we cross Wyoming. We discuss the tectonic drivers for Laramide deformation plus the geometries of the resulting uplifts and basins. We end the day looking at early Paleozoic stratigraphy where students get practice working with topographic maps and x-sections.