

## **Structural Geology Presentation Topics (PowerPoint Presentation)**

1. Tectonic Evolution of the Appalachians
2. Salt Dome Tectonics
3. Superposed Folding
4. Ramp-Flat Model of Thrusting
5. Geology of the Llano Uplift
6. Structural Geology of the Picuris Range, NM
7. Structural Geology of the Grand Canyon, AZ
8. Transform Boundary Transtensional and Transpressional Zones
9. S/C Mylonite Development
10. Meteorite Impact Structures
11. Laramide Orogeny
12. Grenville Orogeny
13. Fault Duplex Structures
14. Continental Rifting
15. Low-angle Detachment Faults
16. Suspect Terranes
17. Ophiolites
18. Tectonic Melanges
19. Pore Fluid Pressure and Thrusting
20. Allocogens (Failed Arm Rifts)
21. Ductile Shear Zones
22. Accretionary Tectonics
23. Seismic reflection/refraction analysis of Structures
24. Basin & Range Tectonic Models
25. Mid-ocean ridge Triple Points
26. Seismic 1<sup>st</sup> Motion Studies of Faulting

NOTE: other topics are fine but check with your instructor first to get the topic approved.