Earth Science (ENV 1050) Topics – 2

**Seismology**
- Asthenosphere
- Benioff Zone
- Elastic Rebound Theory
- Focus & Epicenter
- L: Surface Wave
- P: Compressional, Primary Body Wave
- S: Shear, Secondary Body Wave
- Lithosphere
- Modified Mercalli Intensity Scale
- Moho
- Reflect, Refract, Transmitted, Stop
- Richter Scale
- Seismic Waves
- Tsunamis
- Zoned, Layered, Differentiated Earth

**Magnetism**
- Apparent Polar Wandering
- Curie Point
- Declination & Inclination
- Geomagnetic Reversals
- Northern (and Southern) Lights
- Orientation of Geomagnetic Field
- Secular Variation
- Source of Earth’s Magnetic Field
- Thermal & Depositional Remanent Magnetism

**Igneous Rocks**
- Batholith & Stock
- Bowen’s Reaction Series
- Diorite & Andesite
- Gabbro & Basalt
- Granite & Rhyolite
- Calderas
- Cinder Cone
- Composite Volcano
- Fissure Eruption
- Flood Basalt
- Chilled Margins & Baked Zones
- Continuous Margins & Continuous Series
- Lahar
- Lava Flows
- Magma Sources
- Nuee Ardente
- Pahoehoe & Aa
- Phreatic Eruption
- Pillow Basalt
- Plutonic: Intrusive, Phaneritic
- Volcanic: Extrusive, Aphanitic
- Pyroclastic
- Shield Volcano
- Sill & Dike
- Stoping & Exotics
- Tuff
- Viscosity

**Gravity**
- Density
- Gravity Anomalies
- Isostasy
- Oceanic & Continental Crust
- Specific Gravity

**Plate Tectonics**
- Accretion
- Active & Passive Continental Margins
- Age
- Asthenosphere
- Convergent
- Divergent
- Transcurrent
- Fit of The Continents
- Heat Flow
- Lithosphere
- Mantle Plumes
- Ophiolite
- Relative & Absolute Motion
- Seismic & Aseismic Zones
- Subduction & Obduction
- Transform Faults
- Wilson Cycle