

## **GEOL 1122 Walker notes**

**Notes so far up to week 6:** We've now finished Principles of Geology, Relative and Radiometric (Radioactive Decay) Dating. You've all had Exam 1, and we are moving on to ROCKS and MINERALS.

**Monday, Sept. 22** we discussed the Age of the Universe, the Origin of Elements, the amounts of Elements on Earth, and we have just about finished that lecture. We just have to finish metamorphic rocks so that you can understand the Archaean Eon time period that Marta will talk about.

**Wednesday, Sept. 24,** we will finish Metamorphic rocks, talking about contact and regional metamorphism (in brief) and low- and high-grade metamorphic rocks. We discuss these because you'll see these in mountain building processes and the formation of continents. Readings for Rocks and Mineral lecture are on the handout (Chap. 2, see especially pp. 28 and 29, and types of rocks, pp. 36-47).

After metamorphic rocks, we'll start **Evolution on Wednesday (Chap. 7;** if you need to review the types of organisms on earth, please refer to Chap. 4). Topics covered: Charles Darwin and the Galápagos Islands, The Voyage of the Beagle, *The Origin of the Species* (1859), Natural Selection (pp. 156-160)

**Friday, Sept. 26,** Evolution continued; **Evidence for Evolution** (pp. 154-155); Evolution of the Georgia Bulldog (wolf!wolf!) (can't resist the pun!); gradualism and Punctuated Equilibrium (pp. 170-174).