# **BIOL 112 – OUTLINE # 1 – DARWINIAN EVOLUTION**

1. Evidence for evolution
2. historical
3. fossil record
4. comparative morphology and anatomy
5. biogeography
6. uniformity of cellular components and processes
7. Darwin’s theory
8. facts
9. excess reproduction is normal
10. most populations are stable
11. environmental resources are limited
12. significant variation exists
13. some variation is heritable
14. inferences
15. excess reproduction leads to a “struggle for existence”
16. best adapted individuals reproduce more successfully
17. speciation results from incremental change over long periods of time