# **BIOL 112 – OUTLINE # 2 – EVOLUTION OF POPULATIONS**

1. Population genetics
2. populations
3. Hardy-Weinberg Equilibrium
4. Population-level mechanisms of evolution (microevolution)
5. natural selection
6. genetic drift
7. gene flow
8. non-random mating
9. mutations
10. Sources of genetic variation (the substrate for selection)
11. mutation
12. meiosis
13. random, independent assortment
14. recombination
15. Natural selection as a mechanism for evolutionary adaptation
16. stabilizing selection
17. directional selection
18. diversifying or disruptive selection
19. Preservation of natural variation
20. diploidy
21. balanced polymorphisms
22. neutral variation