

**Bio 213. Spring 2004**  
***Lecture 2. Introduction to Evolution***

1. What is evolution? *Key terms to know: gene, gene pool, population*
  - a. Example of evolution: Darwin finches; *new term: natural selection*
  - b. Population thinking: frequency distributions
  - c. Microevolution vs. macroevolution
  
2. Common misconceptions about evolution
  - a. Evolution  $\neq$  morphological change
  
  - b. Evolution is not progress
  
  - c. Organisms are not passive targets of environment
  
3. Genetic variation. *Key terms to know: allele, locus, heterozygous, homozygous*
  - a. Components:
    - allelic diversity
  
    - non-random associations of alleles