

Bio 213. Spring 2004
Lecture 4. Evolution of populations

I. Hardy-Weinberg Principle

a. Deriving the model

b. Assumptions

c. Applications

II. Mechanisms of Evolution

a. Mutation

b. Migration

c. Genetic Drift

d. Natural Selection
i. Directional

ii. Stabilizing

iii. Disruptive

III. Non-random mating as an indirect mechanism of evolution