

COURSE GUIDELINE: LECTURE 06

Mechanisms of Evolution III

- Modes of selection
 - Directional, disruptive, stabilizing selection
 - Heterozygote advantage, homozygote advantage
 - Frequency-dependent, oscillating, density-dependent selection
 - Case study: Hawaiian happy-faced spider

- Non-random mating
 - Positive and negative assortative mating, inbreeding

- Sexual selection
 - Definition
 - Sexual dimorphism
 - Parental investment
 - Male-male competition
 - Female choice/Male choice