

Biology 3410 :  
Principles of Ecology and Evolution

Jon Seger  
Phyllis (Lissy) Coley

Appreciation for the diversity of living organisms



Tools to evaluate these ecological  
and evolutionary relationships

Climate



Adaptations



Adaptations



Adaptations



Mechanisms of evolution

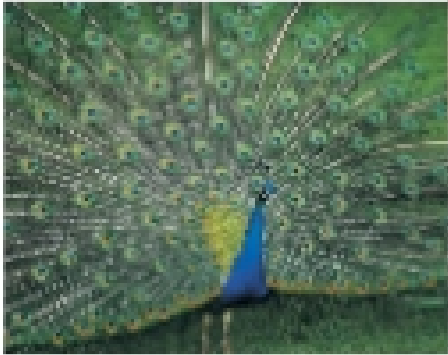


Evolution of life history traits - lifespan and reproduction



Sexual selection :

What are the advantages of extravagant traits?



Population regulation - births and deaths



Competition



Predation and parasitism

