

## Evolutionary Ecology – Chapter 8: Age and Size at Maturity

### Discussion questions for Chapter 8

1. Why and how do tradeoffs limit the scope of variation and evolution of life history traits such as age and size at maturity?
2. What are the main assumptions and differences between genetic and phenotypic modeling?
3. What are some of the major tradeoffs that affect age and size at maturity in the *Drosophila* species studied by Roff (or in general for any organism)?
4. What effect does density dependence have on selection for age and size at maturity?

### Discussion questions for Lagarde et al (2001)

5. What are the tradeoffs with large body size in male and female tortoises?
6. How does growth rate influence age at maturation? What are the evolutionary implications of this relationship?
7. How do environmental conditions affect age and size at maturity in these organisms?
8. How were age and size and sexual maturity determined? Do these methods seem adequate?