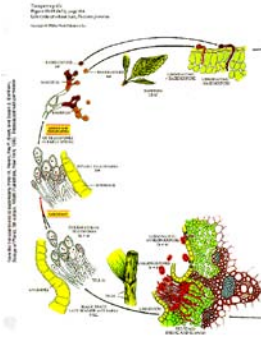
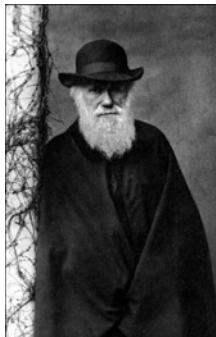
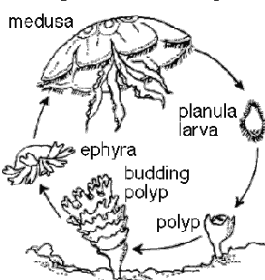


LIFE HISTORY EVOLUTION

ECOL 8145

Instructor: Richard Shefferson
Fall Semester 2010
Tu Th 12:30-1:45

Jellyfish Life Cycle



An organism's schedule of birth, reproduction, and death is the outcome of interactions among environmental variation, genetics, intrinsic physiology and constraints, and evolutionary history. This course will explore both how life histories evolve and how they are studied. Topics to be covered include advanced demography, costs and trade-offs, senescence, reproductive schedules, and quantitative genetic, demographic, and phylogenetic approaches to studying life histories. Students will get hands-on experience with analysis as well as the theory of life history evolution.

Prerequisites: None.