

BIOLOGY 3671 - EVOLUTIONARY CONCEPTS - TUTORIAL GUIDE**Topic 10: DYNAMICS I**

Density dependence
Equilibria
The Meaning of Carrying Capacity
Fitness-Generating Functions (G-functions)
Invasibility
Evolutionarily Stable Strategies (ESS)
Fitness Maxima
Fitness Minima
Ecological Opportunity
Branching Points

Tutorial 10: Communicating science effectively.

Rehearse the presentation and repeat. NOTE: The Friday tutorial group should allocate additional time to rehearsal because the class presentation will occur prior to the final tutorial session.

At the end of the tutorial, select one of the following terms describing your self-assessment on this task (exceptional, outstanding, very strong, strong, moderate, insufficient). Do the same for your study group as a whole. Submit your lists (below) and both assessment 'scores' with a brief justification to your GA before leaving. During the tutorial, answer the following questions:

What works well (make a list)?

What still needs improvement (make a list and assign chores)?

What have we learned (make a list)?

How can we best inform our peers?

Required Reading: Morris and Lundberg 2011: Chapter 6: 179-198.

Want to contemplate the future of biodiversity and how to study speciation? Read:

Thompson, K.A., Rieseberg, L.H. and Schluter, D. 2018. Speciation and the city. Trends in Ecology and Evolution 33: 815-826.