BIOLOGY 3671 - EVOLUTIONARY CONCEPTS - TUTORIAL GUIDE

Topic 5: <u>**FUNCTION II**</u>

> Habitat and Density
> Mapping
> The Nested Mapping of Fitness
> The Demographic Framework
> Fitness Maps Including Environment
> Canalized Traits
> Neutral Traits and Characters
> Demographic Rates Vary with Environment
> Covariance Between Functions
> Selection Gradients
> Standardized Trait Values
> The G-Matrix

Tutorial 5: Re-assess and refine tasks.

Identify knowledge gaps. Revise the outline and lay summary accordingly.

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 both 'scores' and a brief justification to your GA before leaving. During the tutorial, answer the following questions:

Are we on time (if not, find a solution)?

What do we know (modify the list)?

What more do we need to know (modify the list)?

What holes remain to be filled (make a list and a plan to fill them)?

Who does what when (modify the list)?

Which ideas require testing?

Which ideas do we currently understand?

Which ideas need more development?

How could we test our ideas?

       Required Reading: Morris and Lundberg 2011: Chapter 3: 72-87.