

Philosophy 3334
Spring 2016
Study Guide for Exam 1

The first exam (in-class Thursday, March 10th) will cover all of the material that we have discussed in class and in the assigned readings for the first eight weeks of the course. Please bring your own blue book.

You should know the main theses and main arguments for those theses of each of the articles we have read so far.

You should also know what each of the following terms means and how they are relevant to the class. This is not an exhaustive list.

Some of the arguments that Intelligent Design defenders use to argue against evolutionary theory and why Plutynski thinks they don't work
What conditions does Plutynski think are sufficient for being scientific
Distinguish between Law, Mechanisms, and Models and their uses in biology
Evolutionary Contingency Thesis
Relative significance debate
Natural selection (and conditions for it)
Unit of Selection
Propensity interpretation of fitness
Organism vs. trait fitness
Circularity objection (to fitness explanations)
Adaptation
Historical vs. non-historical definitions of function
Biological individuality
Darwinian individual
Organism
Reproduction vs. growth
Tree of life
Species
Phylogenetic species
Essence (essentialism)
Biological information
Signaling