

Final Exam Study Guide

Phi 321 Philosophy of Science

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The final exam is scheduled for 2-5pm, Monday, 8 December, in CLA 314. It is worth 100pts of your final grade.

The final exam will comprise quoted passages from seven of the assigned readings listed below. For each of your choice of five (5) of the passages, write an essay in which you (i) identify the author of the passage, (ii) explain the position expressed in the passage, and (iii) locate the position expressed in the passage within a larger philosophical context. To *locate the position expressed in the passage within a larger philosophical context*, you will need to do at least some of the following things: identify the *philosophical issue* the passage addresses; explain why the issue is important, or what hangs on it; explain the role the passage plays in an *argument for, or objection against*, some philosophical *position* on that issue; discuss the strengths or weaknesses of these arguments/objections; describe *alternative positions* on the same issue and how they're related to the one in the passage.

Readings to be covered on the final exam:

Popper, "Science: conjectures and refutations"

Kuhn, "Logic of discovery or psychology of research"

Lakatos, "Science and pseudoscience"

Hempel, "Two basic types of scientific explanation"

Rubén, "Arguments, laws, and explanations"

Popper, "The problem of induction"

Hempel, "Criteria of confirmation and acceptability"

Longino, "Can there be a feminist science?"

Anderson, "Feminist epistemology: an interpretation and defense"

Laudan, "A confutation of convergent realism"