

ISS 305:001 Fall 2017
Study Guide for Exam 1

Below is a list of terms/concepts that you should be familiar with for the Exam on Wednesday, September 21st. **Please note that the list is not exhaustive.** You should be familiar with your lecture notes and the assigned readings. Some tips: Study hard – go over the notes carefully (most of the questions will be drawn from lecture material) and be familiar with all readings. Study smart – know key concepts. Get a good night's sleep before the exam.

Intro to ISS 305 (11 Questions on the Exam)

- The Dennis Adams and 98.6 illustrations
- Critical thinking
- Candide, Skeptic, skeptic / Eyewitness testimony and juries
- Objectivity
- Curiosity
- Assertions vs. Arguments
- Deductive arguments (valid and invalid)
- Affirming the Antecedent / Denying the Consequent
- Affirming the Consequent / Denying the Antecedent
- Inductive argument
- 2 modes of thinking/evaluating – Thoughtful vs. Heuristics

Fallacies (20 questions on the Exam)

- Deductive Fallacies

Fallacies of relevance

- 1) Ad Hominem (Praise the person)
- 2) Genetic (Converse)
- 3) Appeal to (Questionable) Authority
- 4) Bandwagon
- 5) Past Practice (Tradition)
- 6) Poisoning the Well
- 7) Two wrongs make a right
- 8) Appeal to Fear/Force/Emotions

Component fallacies

- 9) False Dichotomy
- 10) If I feel it, it must be true (Converse)
- 11) Begging the Question (Langer et al., 1978)
- 12) Irrelevant Thesis
- 13) Straw Man

Fallacies of ambiguity

- 14) Equivocation
- 15) Composition Fallacy
- 16) Division/Ecological Fallacy

Fallacies of omission

- 17) Appeal to Ignorance
- 18) Loaded Question

- Inductive Fallacies – Faulty analogy/comparison; Hasty generalization; False cause
- Nominal Fallacy
- Consequence-Intentionality Fallacy
- Confirmation Bias
- Reification error
- Fundamental Attribution Error
- Hindsight Bias

Empirical Statements and Arguments (19 questions on the Exam)

- Four basic canons of science
- Positive Test Bias
- Falsification
- Empirical Statements
- Analytic Statements
- Value Statements
- Attitude Statements
- Metaphysical Statements
- Operational Definition