Weeks 1-3: Explanation and Causation
Nagel: The Structure of Science Chapters 1-3
The Philosophy of Science (Boyd, et. al., editors): Papers 16, 20, and 17 (also read the introductory essay to section 2, by Gasper)

Weeks 4-6: Induction and Confirmation
Hempel: "Studies in the Logic of Confirmation" in Aspects of Scientific Explanation
Goodman: Fact, Fiction, and Forecast
The Philosophy of Science (Boyd, et. al., editors): Paper 5, parts A and B

Weeks 7-9: Laws and Counterfactuals
Nagel: The Structure of Science Chapter 4
Lewis: "Counterfactual Dependence and Time's Arrow", in Philosophical Papers v.2

Weeks 10-12: The Structure of Theories
Nagel: The Structure of Science Chapters 5, 6, and 7
The Philosophy of Science (Boyd, et. al., Editors) Papers 1, 3, 5 (part C), 13, 10, 7.

Week 12: Reduction and Chance
Nagel: The Structure of Science Chapter 11
The Philosophy of Science (Boyd et. al., Editors) Papers 21 and 23