

PHILOSOPHY 3310G Winter 2010

The Physics of Time and Chance

Tentative Schedule of Readings

TEXT: Lawrence, Sklar *Physics and Chance: Philosophical Issues in the Foundations of Statistical Mechanics*, Cambridge 1993.

Week of:

- January 5, 7—Chapter 1 (Introduction) and Chapter 2 (Historical Sketch).
- January 12, 14—Chapter 2 (Historical Sketch) cont'd.
- January 19, 21—Chapter 2 (Historical Sketch)
- January 26, 28—Chapter 3 (Probability)
- February 2, 4—Chapter 4 (Statistical Explanation)
- February 9, 11—Chapter 4 (Equilibrium Theory)
- February 23, 25—Chapter 4 (Equilibrium Theory)
- March 2, 4—Chapter 6 (Describing Non-equilibrium)
- March 9, 11—Chapter 6 (Describing Non-Equilibrium), Chapter 7 (Rationalizing Non-equilibrium)
- March 16, 18—Chapter 7 (Rationalizing Non-equilibrium)
- March 23, 25—Chapter 9 (The Reduction of Thermodynamics to Statistical Mechanics)
- March 30, April 1—Chapter 9 (The Reduction of Thermodynamics to Statistical Mechanics)
- April 6, 8—Wrap-up, Review, and other stuff.