

80-150, Fall 2003

Nature of Reason

Syllabus (Buldt)

Day	Date	Subject	Remarks
I. Introduction			
Mo	08/25	General Introduction	—
We	08/27	”	—
Fr	08/29	”	—
II. Deductive Reasoning			
Mo	09/01	<i>Labor Day</i>	no class
We	09/03	Peirce’s “Bean example”	—
Fr	09/05	Recitation	ch. 1 ¹
Mo	09/08	Traditional logic: Aristotle	—
We	09/10	Traditional logic: Aristotle	—
Fr	09/12	Recitation	ch. 2
Mo	09/15	Traditional logic: Aristotle	—
We	09/17	Traditional logic: Aristotle	—
Fr	09/19	Recitation	ch. 3
Mo	09/22	Traditional logic: Stoic logic	1st essay
We	09/24	Traditional logic: Stoic logic	—
Fr	09/26	Recitation	ch. 4
Mo	09/29	Problems with traditional logic	—
We	10/01	Modern logic: Frege	—
Fr	10/03	Recitation	ch. 5
Mo	10/06	Modern logic: Frege	—
We	10/08	Mathematical Logic	—
Fr	10/10	Recitation	Review
Mo	10/13	Mathematical Logic	2nd essay
We	10/15	1st In-Class Exam	!
Fr	10/17	<i>MidSemester Break</i>	no class

¹All references are to Clark Glymour, *Thinking Things Through*, Cambridge: MIT Press (1998).

III. Probabilistic Reasoning

Mo	10/20	Classical probability theory	—
We	10/22	Classical probability theory	—
Fr	10/24	Recitation	ch. 7
Mo	10/27	Classical probability theory	—
We	10/29	Geometric probabilities	—
Fr	10/31	Recitation	ch. 9
Mo	11/03	Paradoxes	—
We	11/05	The Kolmogorov Axioms	—
Fr	11/07	Recitation	ch. 10
Mo	11/10	Modern Bayesianism	3rd essay
We	11/12	Modern Bayesianism	—
Fr	11/14	2nd In-Class Exam	!

IV. Practical Reasoning

Mo	11/17	Arnauld’s program	—
We	11/19	Arrow’s Paradox	—
Fr	11/21	Recitation	—
Mo	11/24	Arrow’s Paradox	draft essay
We	11/26	<i>Thanksgiving Holiday</i>	no class
Fr	11/28	<i>Thanksgiving Holiday</i>	no class
Mo	12/01	Prisoner’s Dilemma	—
We	12/03	Prisoner’s Dilemma	—
Fr	12/05	Conclusion & Outlook	final essay
Th	12/18	—	Final Grades