

## Philosophy of Science • Spring 2012

Date	Topic	Reading	Supplemental Reading	Notes
31-Jan	Introduction	Godfrey-Smith, Ch. 1		
2-Feb	Positivism	Godfrey-Smith, Ch. 2	Schlick, "Positivism & Realism"	
7-Feb	Operationalism	Hempel, Ch. 7; Borges, <i>Funes, The Memorious</i> ; Bridgman, "Some General Principles of Operational Analysis"	Skinner, "The Operational Analysis of Psychological Terms"; "Symposium on Operationism", <i>Psychological Review</i> (1945)	
9-Feb	Problem of Induction	Godfrey-Smith, Ch. 3; Hume, excerpt from Enquiry		
14-Feb	Raven Paradox	Godfrey-Smith, Ch. 3; Hempel, "Studies in the Logic of Confirmation"		Short Paper Due
16-Feb	Grue Paradox	Godfrey-Smith, Ch. 3; Goodman, excerpt from <i>Fact, Fiction, and Forecast</i>		
21-Feb	Demarcation: Necessary and Sufficient Conditions	Godfrey-Smith, Ch. 4 (Popper); Popper, "Conjectures & Refutations" (Parts I-III)	Popper, "Conjectures & Refutations" (the rest of the lecture) Lakatos, "Science and Pseudoscience" Salmon, "Rational Prediction"	Demarcation 1 Due
23-Feb	Demarcation: Cluster Concepts	Ruse, "Creation Science Is Not Science"; Kitcher, "Believing Where We Cannot Prove"		
28-Feb	Against Demarcation	Laudan, "Demise of the Demarcation Problem"	Laudan, "Science at the Bar" Ruse, "Pro-Judice"	Demarcation 2 Due
1-Mar	Science and Naturalism	Plantinga, "Methodological Naturalism?"	Williamson, "What Is Naturalism?"; Rosenberg, "Why I Am A Naturalist"; Williamson, "On Ducking Challenges to Naturalism"	
6-Mar	Science and Religion	Worrall, "Science Discredits Religion"; Gould, <i>Rocks of Ages</i> (Ch. 2)	Dawkins, "Science Discredits Religion"	
8-Mar	Demarcation Redux	Godfrey-Smith, Ch. 14; Sober, <i>Evidence &amp; Evolution</i> (pp. 148-154)		Demarcation 3 Due
13-Mar	Kuhn: Paradigms	Kuhn, Chs. 1-5	Godfrey-Smith, Ch. 5	
15-Mar	Kuhn: Gestalt Switch	Kuhn, Chs. 6-8	Godfrey-Smith, Ch. 6	

20-Mar	Kuhn: Incommensurability	Kuhn, Chs. 9-10		
22-Mar	Observation/Theory	Fodor, "Observation Reconsidered"		
3-Apr	Observation/Theory	Churchland, "Perceptual Plasticity" (up to section 2)		Midterm Assigned
5-Apr	Scientific Realism	Godfrey-Smith, Ch. 12		Midterm Due
10-Apr		Kitcher, Chs. 1-2		
12-Apr		Kitcher, Ch. 3	Laudan, "Demystifying Underdetermination" (excerpt)	
17-Apr	Student Presentations			Presentations
19-Apr	Student Presentations			Presentations
24-Apr		Kitcher, Ch. 4-5	Putnam & Oppenheim, "Unity of Science..."	
26-Apr		Kitcher, Ch. 6		Rough Draft Due
1-May	Free Inquiry	Kitcher, Ch. 7-8		
3-May	Free Inquiry: Case Studies	Rose, "Should Scientists Study Race and IQ? No."; Ceci & Williams, "Should Scientists Study Race and IQ? Yes."; Goertzel, "Conspiracy Theories In Science"; He & Hubbell, "Species-area relationships always overestimate extinction rates from habitat loss"		
8-May	Organizing Inquiry	Kitcher, Ch. 9		
10-May				
14-May	<b>Final Exam • 6:00 - 9:00 pm</b>			