

PHIL/PHYS 30389
Philosophical Issues in Physics
MW 11:00-12:15
228 DeBartolo
www.nd.edu/~dhoward1/30389s14.html

Spring 2014

Prof. Don Howard
308 Malloy Hall/449 Geddes
Tel: 631-7547
dhoward1@nd.edu
Office Hours (Malloy) : MW 1:00-2:00

Presentation Schedule:

Date:	Topic:	Reading:	Presenters
5 Feb.	The Copernican Model and Kepler's Laws	Ch. 5.	
10 Feb.	Galileo on Motion	Ch. 6.	Amy Porter, Terry Hines, Tom VanSlochem
12 Feb.	Newton's <i>Principia</i>	Ch. 7.	Max Ducey and John Kim
17 Feb.	Newton's Law of Universal Gravitation	Ch. 8.	Nan Lan and Claire LaRosa
19 Feb.	Some Old Questions Revisited	Ch. 9.	Zach Adams
24 Feb.	Galileo's <i>Letter to the Grand Duchess</i>	Ch. 10.	Jeremy Delacruz and Walter Nogay
26 Feb.	An Overarching Newtonian Framework	Ch. 11.	
3 Mar.	Determinism	Ch. 12.	Blake Weaver and Jack Turek
17 Mar.	Models of the Aether	Ch. 13.	
19 Mar.	Maxwell's Theory	Ch. 14.	Tom Catalano and Sam Roskos
24 Mar.	The Kaufmann Experiments	Ch. 15.	Vishal Dave
26 Mar.	The Essentials of Special Relativity	Ch. 16.	Chris Genco
31 Mar.	Further Consequences of Einstein's Postulates	Ch. 17.	Evan Claudeanos
2 Apr.	General Relativity and the Expanding Universe	Ch. 18.	Sam Jones
7 Apr.	The Road to Quantum Mechanics	Ch. 19.	Tony Villano and Bobby Michels
9 Apr.	Copenhagen Quantum Mechanics	Ch. 20.	Tony Lefeld
14 Apr.	Is Quantum Mechanics Complete?	Ch. 21.	Jimmy He
16 Apr.	The EPR Paper and Bell's Theorem	Ch. 22	

23 Apr.	An Alternative Version of Quantum Mechanics	Ch. 23.	
28 Apr.	The Role of Historical Contingency	Ch. 24.	
30 Apr	Status of Scientific Knowledge	Ch. 25.	Jackie Picache and Kay Cobb