PHIL 2160: Philosophy of Science Survey

Spring 2021, Mondays and Wednesdays, 4:35–5:55pm, Online

Schedule (See revision on p. 2)

This overview is just to give you a sense of what this course will be like, and it is not going to reflect any changes that may be made during the semester. For the actual assignments, consult weekly pages on the course website.

Mon, Jan 18 MLK Day (no class)	Wk	Date	Topics	Readings
Wed, Jan 20 Introduction Syllabus 2 Mon, Jan 25 Worldviews DeWitt, Ch. 1 (pp. 7–16) 3 Wed, Jan 27 Truth Ch. 2 (pp. 17–30) 4 Mon, Feb 1 Facts Ch. 3 (pp. 31–35) 4 Wed, Feb 3 Reasoning Ch. 4 (pp. 36–42) 4 Mon, Feb 8 Scientific Method Ch. 5 (pp. 43–53) 5 Wed, Feb 10 Induction Ch. 6 (pp. 54–60) 6 Mon, Feb 15 Falsifiability Ch. 7 (pp. 61–65) 6 Wed, Feb 17 Instrumentalism and Realism Ch. 8 (pp. 66–71) 6 Mon, Feb 22 Aristotelian Worldview Ch. 9 (pp. 75–80) 6 Wed, Feb 24 Ptolemy's Almagest Ch. 10 (pp. 81–91) 7 Won, Mar 1 Astronomical Data Ch. 11 (pp. 92–98) 8 Wed, Mar 3 Wellness Break (no class) 8 Wed, Mar 10 Ptolemaic System (b. 12 (pp. 99–105) 9 Wed, Mar 10 Ptolemaic System (ch. 13 (pp. 106–114) 9 Mon, Mar 15 Copernican System (ch. 16 (pp. 128–137)<	1	Mon, Jan 18	MLK Day (no class)	
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14		Wed, Apr 14	Development of the Darwinian Worldview	Ch. 30 (pp. 300–319)
Wed, Apr 21 Review	14	Mon, Apr 19	Conclusion	Ch. 31 (pp. 320-321; 325-327)
		Wed, Apr 21	Review	

Revised (April 6, 2021)

9	Mon, Mar 15	Cancelled due to the Teams problem	
	Wed, Mar 17	Copernican System	Ch. 14 (pp. 115–124)
10	Mon, Mar 22	Copernican System and Tychonic System	Ch. 15 (pp. 125–127)
	Wed, Mar 24	Kepler's System	Ch. 16 (pp. 128–137)
11	Mon, Mar 29	Galileo	Ch. 17 (pp. 138–153)
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14	Mon, Apr 19	Conclusion	Ch. 31 (pp. 320-321; 325-327)
	Wed, Apr 21	Review	