

Tentative Schedule for Astronomy 101

Note: Please complete the reading assignments prior to the lectures.

Date	Topic	Reading
6/7	Course Introduction (+ Cosmos I)	none
6/8	Foundations of Astronomy (+ Powers of Ten)	Prologue
6/9	Foundations (cont.)	Prologue
6/10	The Birth of Modern Science	Ch. 1
6/14	Kepler's Laws and Newton's Laws	Ch. 1
6/15	Information from the Skies: The EM Spectrum	Ch. 2
6/16	Light/Matter Interactions: Atoms and Photons	Ch. 2
6/17	Spectroscopy: Atomic Fingerprints (+ Review)	Ch. 2
6/21	Test #1	none
6/22	Introduction to the Solar System	Ch. 4
6/23	The Earth and its Moon (+ Mars Video)	Ch. 5
6/24	The Terrestrial Planets	Ch. 6
6/28	The Jovian Planets: Gas Giants	Ch. 7
6/29	Moons and Rings	Ch. 8
6/30	Moons and Rings (cont.)	Ch. 8
7/1	NOVA Video – Titan	none
7/5	No Class (4 th of July)	None

7/6	Finish and Review	none
7/7	Test #2	none
7/8	The Sun	Ch. 9
7/12	Video – Cosmos 9	Ch. 10
7/13	The Lives and Deaths of Stars	Chs. 11, 12
7/14	Neutron Stars and Black Holes	Ch. 13
7/15	Video – Black Holes	Ch. 13
7/19	Finish and Review	none
7/20	Test #3	none
7/21	Hubble's Law & Cosmology	Ch. 14, 15
7/22	Cosmology & Life in the Universe	Ch. 16, 17
7/26	Video: The Hunt for Alien Worlds	Ch. 18
7/27	Life in the Universe (cont.)	Ch. 18
7/28	Finish and Review	none
7/29	Test #4	none

That's it! Enjoy the rest of your summer!