

ASTRONOMY 001 Syllabus  
 Professors Bernardi, Devlin, and Sako  
 Spring 2007

**TEXT: *The Cosmic Perspective, 4/e.***

The tutorials can be previewed on the web at [www.masteringastronomy.com](http://www.masteringastronomy.com)

Date	Bennett	Tutorials	Homework and Exams
Week 1	Ch 1: Our Place in the Universe	Scale of the Universe	
	Ch 2: Discovering the Universe	Seasons	
Week 2	Ch 2: Discovering the Universe	Phases of the Moon	Homework #1 OUT
	Ch 3: The Science of Astronomy S1: sections: 1	Eclipse	Jan 16 Chap. 1, 2, 3
Week 3	Ch 3: The Science of Astronomy	Orbits and Kepler's Laws	Homework #1 DUE
	Ch 4: Making Sense of the Universe		Jan 25
Week 4	Ch 5: Light and Matter	Light and Spectroscopy	Homework #2 OUT
	Ch 6: Telescopes	The Doppler Effect	Jan 30 Chap 4, 5, 6
Week 5	Ch 7: Planetary System	Formation of the Solar System	Homework #2 DUE
	Ch 8: Formation of the Solar System	Detecting Extrasolar Planets	Feb 6
	Ch 9: Planetary Geology: Earth and the Other Terrestrial Worlds	Shaping Planetary Surfaces	
<b>EXAM</b>	<b>Covers Chapters 1, 2, 3, S1, 4, 5, 6</b>		
Week 6	Ch 10: Planetary Atmospheres: Earth & the Other Terrestrial Worlds	Surface Temperature of Terrestrial Planets	Homework #3 OUT
	Ch 11: Jovian Planet System		Feb 13 Chap 7, 8, 9, 10, 11, 12, 13
Week 7	Ch 12: Remnants of Rock and Ice: Asteroids, Comets and the Kuiper Belt		
	Ch 13: Other Planetary Systems		
Week 8	Ch 14: Our Star		Homework #3 DUE
	Ch 15: Surveying the Stars		Feb 27
Week 10	Ch 15: Continued	The H-R Diagram	Homework #4 OUT
	Ch 16: Star Birth		March 13 Chap 13, 15, 16, 17
Week 11	Ch 17: Star Stuff	Stellar Evolution	Homework #4 DUE
	Ch 18: The Bizarre Stellar Graveyard		March 22
	S3: sections 1, 2, 3 and 4		

<b>Date</b>	<b>Bennett</b>	<b>Tutorials</b>	<b>Homework and Exams</b>
Week 12	Ch 18: Continued Ch 19: Our Galaxy	Black Holes Detecting Dark Matter in Spiral Galaxies	
<b>EXAM</b>	Chapters 7, 8, 9, 10, 11, 12, 13, 15, 16, 17		
Week 13	Ch 20: Galaxies Ch 21: Galaxy Evolution	Measuring Cosmic Distances	Homework #5 OUT April 5 Chap 18, 19, 20, 21, 22, 23
Week 14	Ch 22: Dark Matter, Dark Energy and the Fate of the Universe Ch 23: The Beginning of Time	Fate of the Universe Hubble's Law	
Week 15	Ch 23: The Beginning of Time Ch 24: Life in the Universe		Homework #5 DUE  April 19
<b>FINAL EXAM</b>			