













The Syllabus:		The agenda:
Nov 9,11,13	The Structure of the Universe & Evolution of Galaxies [27.3] Clusters of galaxies [28.4] Using quasars to probe the universe (gravitational lenses)	<ul> <li>Present-day structure.</li> <li>Evidence for Dark Matter. <ul> <li>Gravitational lenses.</li> </ul> </li> <li>What is Dark Matter? <ul> <li>Hot vs. cold DM</li> </ul> </li> <li>The growth of structure. <ul> <li>Initial fluctuations.</li> <li>WMAP.</li> <li>Bottom-up structure formation.</li> </ul> </li> <li>(turkey break) <ul> <li>The Quasar Era.</li> <li>Evolution to modern-day galaxies.</li> <li>Chemical enrichment revisited.</li> <li>The first stars.</li> </ul> </li> </ul>
Nov 16,18,20	What is dark matter? [30.2] The origin of structure; WMAP measurements.	
Nov 23,25	[26.1] Interaction of galaxies	
Fri Nov 27	Thanksgiving Holiday	
Nov 30, Dec 2,4	[26.2] The formation of galaxies	
Dec 7,9,11	Quasars & Active galactic Nuclei (AGN) [28.2] Unified model of AGN ( <i>Skip</i> [28.1], [28.3]) [18.2] Accretion Disk description pp. 661-666	