

Franklin & Marshall College - Physics and Astronomy Department
 Astronomy 121: Introduction to Astrophysics
 F. Crawford
 Spring 2013 Course Schedule

Meetings	Topics	Reading
W Jan 16 / F Jan 18	Introduction; Math Review	none
M Jan 21 / W Jan 23 / F Jan 25	Coordinates; Celestial Sphere; Mechanics	1.1-1.3, 1.5
M Jan 28 / W Jan 30 / F Feb 1	Mechanics and Orbits	2.5, 3.1-3.3
M Feb 4 / W Feb 6 / F Feb 8	Tidal Forces; Telescopes and Resolution	4.2, 4.3, 6.1, 6.2, 6.6, 6.7
M Feb 11 / W Feb 13 / F Feb 15	Radiation and Matter	5.1, 5.3, 5.4, 5.7, 8.2, 9.2
M Feb 18 / W Feb 20 / F Feb 22	Planets; Atmospheres and Interiors	8.2, 9.2, 9.app, 10.2
M Feb 25 / W Feb 27 / F Mar 1	Stellar Properties	13.1-13.3, 16.1
M Mar 4 / W Mar 6 / F Mar 8	Stars; Hour Exam ; Special Topic?	14.2-14.4
<i>M Mar 11 / W Mar 13 / F Mar 15</i>	<i>Spring Break - no class</i>	<i>none</i>
M Mar 18 / W Mar 20 / F Mar 22	Star Formation; Stellar Structure	17.1, 14.1, 14.4, 13.6, 15.1-15.3, 3.4
M Mar 25 / W Mar 27 / F Mar 29	Stellar Evolution; Stellar Remnants	17.2, 17.3, 18.1, 18.4
M Apr 1 / W Apr 3 / F Apr 5	Stellar Remnants	18.2, 18.3, 21.2
M Apr 8 / W Apr 10 / F Apr 12	The Milky Way; Hubble's Law	19.1-19.6, 20.1, 20.2, 20.5
M Apr 15 / W Apr 17 / F Apr 19	Active Galaxies; Cosmology	21.1, 21.2, 21.4, 23.1
M Apr 22 / W Apr 24	Cosmology; Wrap Up	23.2, 23.5, 24.1, 24.2

All readings are from *Foundations of Astrophysics* by Ryden and Peterson.

Lab meetings start in Week 2.

The in-class hour exam will be given on **Wed Mar 6**.

The final exam will occur during the final exam period and will be scheduled by the Registrar's office.