

# ASTRONOMY 103 Stars and Galaxies: FALL 2006

## COURSE TOPICS

## READING IN ZEILIK

What the sky looks like

Chapter 1  
(we omit most of Chapter 2)

How the Solar System works

Chapter 3

Newton's laws: gravity and orbits

Chapter 4

What is light? What are atoms?

Chapter 5

**Six-week exam** in class period

Monday October 9

Telescopes

Chapter 6

Our Sun

Chapter 12

Other stars as Suns

Chapter 13

Starbirth

Chapter 14

The lives of the stars

Chapter 15

Death of stars

Chapter 16

**Twelve-week exam** in class period

Monday November 20

Einstein's Universe

Chapter 7

Our Milky Way

Chapter 17

Galaxies

Chapter 18

The active centers of galaxies

Chapter 19

Models of the universe: cosmology

Chapter 20

## Final exam

Lecture 1: **Thursday 21 December** 2:45pm to 4:45pm

Lecture 3: **Tuesday 19 December** 12:25pm to 2:25pm

This is a rough guide; we may cover certain parts of the material faster or more slowly.

**Woodman Astronomical Library:** 6521 Sterling Hall; <http://astronomy.library.wisc.edu/>

Astronomy Picture of the Day: [antwrp.gsfc.nasa.gov/apod/](http://antwrp.gsfc.nasa.gov/apod/)

A different astronomy or space science image is featured each day, with a brief explanation.

Hubble Space Telescope public site: [www.stsci.edu/outreach/](http://www.stsci.edu/outreach/)

The sky this month: UW Madison Space Place: [www.spaceplace.wisc.edu](http://www.spaceplace.wisc.edu) 'Eyes on the sky';  
Astronomy magazine in Waukesha: [www.astronomy.com](http://www.astronomy.com): 'Resources: the sky this month'.