

Astronomy 101 – Winter 2012

Section Syllabus (AA, AB)

Meeting times: Tuesday/Thursday in Physics and Astronomy Building (PAA) 216

AA: 8:30 – 9:20 AM

AB: 9:30 – 10:20 AM

Instructor: Nell Byler

Office: Physics and Astronomy Building (PAB) 329

Office Phone: (206) 543-9039

Email: ebyler@astro.washington.edu (this is the best way to contact me!)

Office Hours: Mondays 11:30 AM – 12:30 PM,
Wednesdays 9:00 AM – 10:00 AM,
and, of course, by appointment.

Course website: <http://www.astro.washington.edu/users/balick/astro101>

Section website: <http://www.astro.washington.edu/users/ebyler/astro101.html>

Textbook:

“The Cosmic Perspective: Stars, Galaxies, & Cosmology” (6th edition) by Bennett et al. The textbook is not required, but highly recommended! Sharing is perfectly acceptable.

Homework/Exercises:

Exercises are generally due at the beginning of section the following week. You also have the option of turning them in to my office until 5pm that day without being penalized. Exercises constitute 40% of your grade (almost as much as exams!) so they are important to complete. Be sure to write your first name, last name, and section (AA or AB) on everything you turn in and *please* BE NEAT.

Late Work Policy:

Late work will not be accepted and will receive an automatic zero.

Plagiarism Policy:

Don't copy work. You may work with other members of the class on assignments, but the phrasing you use must be your own. If I find multiple people's work with the same phrasing, I will consider it cheating and follow the usual academic procedures to address the situation.

Important Dates:

Monday, February 13th – MIDTERM

Monday, March 12th – FINAL EXAM (8:30 – 10:20 AM)

Tuesday, Jan. 3rd	Thursday, Jan. 5th
Introductions <i>Sizes and Distances</i> Exercise 1 (due: 1/9)	<i>Continue Exercise 1</i>
Jan. 10th	Jan. 12th
Planetarium Turn in Exercise 1	Planetarium
Jan. 17th	Jan. 19th
<i>Gravity, Constellations</i> Exercise 2 (due: 1/19) Exercise 3 (due: 1/24)	<i>Orbital Motions and Gravity</i> <i>Continue Exercise 3</i> Turn in Exercise 2
Jan. 24th	Jan. 26th
<i>Stellar Colors</i> Exercise 4 (due: 1/31) Turn in Exercise 3	<i>Gravity, Motions, Light Introduction</i> <i>Continue Exercise 4</i>
Jan. 31st	Feb. 2nd
<i>The H-R Diagram</i> Exercise 5 (due: 2/7) Turn in Exercise 4	<i>Stellar Lives</i> <i>Continue Exercise 5</i>
Feb. 7th	Feb. 9th
<i>Aging Stars</i> Turn in Exercise 5	Review for MIDTERM!
Feb. 14th	Feb. 16th
Exam Review <i>RR Lyraes</i> Exercise 6 (due: 2/21)	<i>Galaxy Introduction</i> <i>Continue Exercise 6</i>
Feb. 21st	Feb. 23rd
<i>Hubble Graph</i> Exercise 7a (due: 2/28) Turn in Exercise 6	<i>Continue Exercise 7a</i>
Feb. 28th	Mar. 1st
<i>Cosmology</i> Exercise 7b (due: 3/6) Turn in Exercise 7a	<i>Continue Exercise 7b</i>
Mar. 6th	Mar. 8th
<i>Big Bang Model</i> Turn in Exercise 7b	Review for FINAL