

LONG ISLAND UNIVERSITY – C.W. POST

AST 9

Arvind Borde, Introductory Astronomy I, Fall 2017

3 credits

- Classes* Tu/Th | §2: 11:00–12:20, PH 202.
- Website* <http://arvind-borde.org/courses/ast9/>
- Instructor* Arvind Borde | arvind.borde@liu.edu | <http://arvind-borde.org/>
- Office* LS 239; telephone: (516) 299 2447. Hours: T, Th, 12:30–2:00 pm, or by appointment.
- Bulletin* Astronomy 9 is half of a one-year course in introductory astronomy. Topics include the celestial sphere, the solar system, planetary motion, configurations and phases of the moon and planets, and eclipses. No pre- or co-requisites. Students taking this course to fulfill the science core requirement must take AST 9A - Astronomy Lab.
- Text, etc.* Notes, handouts, NASA's solar system site (<http://solarsystem.nasa.gov/index.cfm>).
- Rules* **Do:** attend all classes, come on time, stay for the duration, pay attention.
Don't: talk among yourselves, be disruptive, text, have your cell phone out.
Violating any of these will be marked as an absence and will lead to further disciplinary action. Three or more violations will lead to an automatic F. You may use a computer or tablet to take notes, but must be prepared to sit in the first row if asked.
- Homework & Tests* Weekly homework is on the website. You must attempt it the day it is assigned. If you have difficulties, see me or a tutor *that week itself*. HW will be discussed in the class immediately following. Specific questions will be answered in class, but not general ones about the whole assignment. You must have the homework available in a separate notebook or folder, with your name on each assignment, or clearly marked as such in the class notebook. You must bring the homework and class notebook with you if you want extra help in my office. It is your responsibility to catch up on material you miss for any reason. You should expect to spend 6 hours a week on this course outside class.
Tests are "open-notecard" and will be based mainly on material and homework covered the previous week, but familiarity with all material covered up to that point is expected. You may use a dedicated calculator (not cell phone or tablet computer) on all tests. *There are no make-up tests. If you miss a test for any reason you will get a score of –1 on it.* You must keep all your tests through the semester.
See complete test schedule on this syllabus.
- Grades* First see the rules above. There will be 13 tests. Your 11 best scores will each count 9% toward your grade. The remaining 1% is for overall attendance and class performance.
- Note* Last day to drop: September 19. Last day to withdraw: November 10.

I have understood the syllabus, course requirements, grading method, and rules, and agree to abide by them. I have retained a copy of this syllabus for my records. I have filled out the form overleaf.

Signature: _____ Date: _____

Name: _____

Name (print clearly):

Major:

Last 2 science classes class taken (what? when? where?):

Career goals:

Dream goals (If earning money were not an issue what would your perfect life be like?):

Science weaknesses (if any):

Science strengths:

Anything in particular that you wish to learn in this course:

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**PLEASE PLACE THIS COPY AT THE FRONT OF YOUR NOTEBOOK/FOLDER
YOU MUST HAVE IT WITH YOU IN EVERY CLASS**

Week 1		Thursday, September 7		
		Scale		
Week 2	Tuesday, September 12 Gravity; Homework 1 review. <input type="text" value="Test 1"/>	Thursday, September 14 Homework 2 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 3	Tuesday, September 19 Planets <input type="text" value="Test 2"/>	Thursday, September 21 Homework 3 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 4	Tuesday, September 26 Light <input type="text" value="Test 3"/>	Thursday, September 28 Homework 4 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 5	Tuesday, October 3 The Earth <input type="text" value="Test 4"/>	Thursday, October 5 Homework 5 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 6	Tuesday, October 10 The Moon <input type="text" value="Test 5"/>	Thursday, October 12 Homework 6 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 7	Tuesday, October 17 The inner planets I <input type="text" value="Test 6"/>	Thursday, October 19 Homework 7 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 8	Tuesday, October 24 The inner planets II <input type="text" value="Test 7"/>	Thursday, October 26 Homework 8 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 9	Tuesday, October 31 The outer planets <input type="text" value="Test 8"/>	Thursday, November 2 Homework 9 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 10	Tuesday, November 7 Some special moons <input type="text" value="Test 9"/>	Thursday, November 9 Homework 10 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 11	Tuesday, November 14 The dwarf planets and other bodies <input type="text" value="Test 10"/>	Thursday, November 16 Homework 11 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 12	Tuesday, November 21 The star of the system <input type="text" value="Test 11"/>	Thanksgiving	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 13	Tuesday, November 28 Other topics; Homework 12 review. <input type="text" value="Test 12"/>	Thursday, November 30 Homework 13 review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 14	Tuesday, December 5 <input type="text" value="Test 13"/>	Final appointments: TBA	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>