

LONG ISLAND UNIVERSITY – C.W. POST

AST 9

Arvind Borde, Introductory Astronomy I, Fall 2018

3 credits

- Classes* Tu/Th | §2: 11:00–12:20, PH 230.
- Website* <http://arvind-borde.org/courses/ast9/>
- Instructor* Arvind Borde | arvind.borde@liu.edu | <http://arvind-borde.org/>
- Office* _____; 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/>).
- 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 provided. 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 the course workbook. You must bring the homework and workbook 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" (3" × 5") 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 18. Last day to withdraw: November 9.

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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YOU MUST HAVE THIS SYLLABUS WITH YOU IN EVERY CLASS

Week 1		Thursday, September 6		
		Scale		
Week 2	Tuesday, September 11 Gravity; Homework 1 review. Homework 1b review (if needed) <input type="text" value="Test 1"/>	Thursday, September 13 Homework 2a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 3	Tuesday, September 18 Planets Homework 2b review (if needed) <input type="text" value="Test 2"/>	Thursday, September 20 Homework 3a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 4	Tuesday, September 25 Light Homework 3b review (if needed) <input type="text" value="Test 3"/>	Thursday, September 27 Homework 4a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 5	Tuesday, October 2 The Earth Homework 4b review (if needed) <input type="text" value="Test 4"/>	Thursday, October 4 Homework 5a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 6	Tuesday, October 9 The Moon Homework 5b review (if needed) <input type="text" value="Test 5"/>	Thursday, October 11 Homework 6a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 7	Tuesday, October 16 The inner planets I Homework 6b review (if needed) <input type="text" value="Test 6"/>	Thursday, October 18 Homework 7a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 8	Tuesday, October 23 The inner planets II Homework 7b review (if needed) <input type="text" value="Test 7"/>	Thursday, October 25 Homework 8a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 9	Tuesday, October 30 The outer planets Homework 8b review (if needed) <input type="text" value="Test 8"/>	Thursday, November 1 Homework 9a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 10	Tuesday, November 6 Some special moons Homework 9b review (if needed) <input type="text" value="Test 9"/>	Thursday, November 8 Homework 10a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 11	Tuesday, November 13 The dwarf planets and other bodies Homework 10b review (if needed) <input type="text" value="Test 10"/>	Thursday, November 15 Homework 11a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 12	Tuesday, November 20 The star of the system Homework 11b review (if needed) <input type="text" value="Test 11"/>	Thanksgiving	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 13	Tuesday, November 27 Other topics; Homework 12 review. Homework 12b review (if needed) <input type="text" value="Test 12"/>	Thursday, November 29 Homework 13a review Topic continues	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>
Week 14	Tuesday, December 4 Homework 13b review (if needed) <input type="text" value="Test 13"/>	Final appointments: TBA	<input type="text" value="score"/>	<input style="width: 20px;" type="text" value="%"/>