

## AST 104 Sect. 002, Spring 2010

Introductory Astronomy: Stars and Galaxies

Professor: Daniel Proga, Department of Physics and Astronomy, UNLV  
 Tel: 895-3507, Email: [dproga@physics.unlv.edu](mailto:dproga@physics.unlv.edu)  
 Class time: Tuesday/Thursday 10:00-11:15 pm, BPB 102  
 Textbook: "The Cosmic Perspective" by Bennett, Donahue, Schneider and Voit  
 Notes: <https://webcampus.nevada.edu/>  
 Office hours: Tuesday 1:30-2:30 pm, BPB Rm. 240

Week	Date	Subject	Reading
1	Jan. 12	Overview	Ch. 1
	Jan. 14	The Science of Astronomy	Ch. 3
2	Jan. 19	Light and Matter	Ch. 5
	Jan. 21	Telescopes	Ch. 6
3	Jan. 26	The Sun 1	Ch. 14
	Jan. 28	The Sun 2	Ch. 14
4	Feb. 2	Stars 1	Ch. 15
	Feb. 4	Stars 2	Ch. 15
5	Feb. 9	Stars 3/Review	Ch. 15
	Feb. 11	Review 1	
6	Feb. 16	Study/Review	
	Feb. 18	Test 1	
7	Feb. 23	Star Birth	Ch. 16
	Feb. 25	Stellar Life Cycles 1	Ch. 17
8	March 2	Stellar Life Cycles 2	Ch. 17
	March 4	Death of Stars 1	Ch. 18
9	March 9	Death of Stars 2	Ch. 18
	March 11	Review 2	
10	March 16	Test 2	
	March 18	Milky Way 1	Ch. 19
11	March 23	Milky Way 2	Ch. 19
	March 25	Galaxies	Ch. 20
12	March 30	Spring Break	
	April 1	Spring Break	
13	April 6	Galaxy Evolution 1	Ch. 21
	April 8	Galaxy Evolution 2	Ch. 21
14	April 13	Dark Matter & Energy	Ch. 22
	April 15	Cosmology	Ch. 23
15	April 20	Review 3	
	April 22	Test 3	
16	May 27	Q&A	
	May 29	Review	
17	May 4	Final Exam	

- This is a survey course at the beginning level, which discusses stars, stellar systems, galaxies, and the universe as a whole. Topics will include stellar evolution, formation of galaxies, and cosmology. A minimum of mathematics is required. Recommended for non-science majors. 3 credits.

### **Exams, tests & scores:**

- There will be three tests: Feb. 18, March 16, and April 22. Each test lasts for 1 hour and there are 50 pts for each test. No make up tests will be made, but the lowest score in the three tests will be dropped. You can earn a maximum of 100 pts from these tests.
- The final exam will be on Tuesday, May 4-th at 10:10 am. It will last 1 and 1/2 hours. The maximum score will be 75 pts.
- There will be 25 pts assigned for attendance. Attendance will be checked randomly 5 times during the semester, and each time the attendants will get 5 pts.
- The maximum score for the class will be 200 pts.
- Final letter grades will be assigned based on the total numerical score (= score from two tests+ final+ attendance points).

### **Other information:**

**Academic Misconduct** – “Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution.”

An example of academic misconduct is plagiarism: “Using the words or ideas of another, from the Internet or any source, without proper citation of the sources.” See the “Student Academic Misconduct Policy” (approved December 9, 2005) located at: <http://studentlife.unlv.edu/judicial/misconductPolicy.html>.

**Copyright** – The University requires all members of the University Community to familiarize themselves and to follow copyright and fair use requirements. **You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you nor assume any responsibility for employee or student violations of fair use laws.** Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. To familiarize yourself with copyright and fair use policies, you are encouraged to visit the following website: <http://www.unlv.edu/committees/copyright/>.

**Disability Resource Center (DRC)** - The Disability Resource Center (DRC) coordinates all academic accommodations for students with documented

disabilities. The DRC is the official office to review and house disability documentation for students, and to provide them with an official Academic Accommodation Plan to present to the faculty if an accommodation is warranted. Faculty should not provide students accommodations without being in receipt of this plan.

UNLV complies with the provisions set forth in Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, offering reasonable accommodations to qualified students with documented disabilities. If you have a documented disability that may require accommodations, you will need to contact the DRC for the coordination of services. The DRC is located in the Student Services Complex (SSC), Room 137, and the contact numbers are: Voice (702) 895-0866, TDD (702) 895-0652, fax (702) 895-0651. For additional information, please visit: <http://drc.unlv.edu/>.

**Religious Holidays Policy** -- Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor no later than the last day at late registration of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. This policy shall not apply in the event that administering the test or examination at an alternate time would impose an undue hardship on the instructor or the university which could not be avoided.

<http://catalog.unlv.acalog.com/content.php?catoid=1&navoid=44&bc=1>

**Tutoring** -- The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex, #22 on the current UNLV map. Students may learn more about tutoring services by calling (702) 895-3177 or visiting the tutoring web site at: <http://academicsuccess.unlv.edu/tutoring/>

**UNLV Writing Center** – One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 895-3908. The student's Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: <http://writingcenter.unlv.edu/>