

ASTR 1346
Introductory Astronomy II: Stars, Galaxies & The Universe
Summer 2016

M Tu W 10:30 a.m. - 12:10 p.m. Science Hall 103

INSTRUCTOR: Dr. M. Cuntz, Professor
OFFICE: Chemistry and Physics Bldg. (New Planetarium), Rm 330
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OFFICE HOURS: “after class” OR by appointment, please send Email

TEXTBOOK: **Discovering the Universe, 9th Edition**
by N. F. Comins and W. F. Kaufmann

COURSE CONTENT: Nature of Light (Chapter 3, Sections 3-1 thru 3-4, 3.17)
Atomic Physics and Spectra (Chapter 4, Sections 4-1 and 4-8)
The Sun (Chapter 10, Sections 10-1 thru 10-10)
Understanding the Stars (Chapter 11, Sections 11-1 thru 11-13)
The Lives of Stars (Chapter 12, Sect. 12-1 thru 12-7, segments from sections beyond 12-7)
The Deaths of Stars (Chapter 13, segments from selected sections)
Black Holes (Chapter 14, Sections 14-1 thru 14-4, 14.7, 14.8, 14.12)
Milky Way (Chapter 15, Sections 15-1 thru 15-8)
Galaxies (Chapter 16, Sections 16-1 thru 16-15)
Quasars and Other Active Galaxies (Chap. 17, Sect. 17-1, 17-4 thru 17-7)
Cosmology (Chapter 18, Sections 18-1 thru 18-5, 18-11 thru 18-16)

OBJECTIVES: Learn about light. Obtain essential knowledge about our sun, other stars, and galaxies. Explore the structure, formation, evolution, and distant future of our Universe. Contemplate our place in the Universe (from a science point-of-view).

EXAMINATIONS: **Test 1** will be held on July 26 (Tu), 2016
Test 2 will be held on August 10 (We), 2016
Final Exam will be held on August 15 (Mo), 2016

GRADING POLICY: **Each test** will be worth 20% of the final grade.
The **final exam** will be worth 25% of the final grade.
The **laboratory grade** will be worth 35% toward your grade.
You will be excused from the Final if the grades of Test 1 **and** Test 2 are 90% or higher. **NO EXCEPTIONS !!!**

LABORATORY GRADE: Must be **60 points** or more to pass the course!

There will be a detailed review prior to each test.

No make-up tests, unless arranged in advance and depending on circumstances*.

Even if agreed on, make-up tests will always have a **lesser number of extra-credit questions**.

You have to pass **both the class and the lab** in order to pass the course (See Memo).

*Accommodations will be provided for students with special needs (See additional information).

Additional Information

Academic Dishonesty

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

Accommodations to Students with Disabilities

The Univ. of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public law 93112-The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels.

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Instructor: Dr. M. Cuntz

Course Grade Policy: A student has to pass both the class and the lab in order to attain a passing grade for the course. This means that both the class grade and the lab grade must be 60 or higher, regardless of the grade average.

What happens when ...

... a student passes the class, but fails the lab.

Action: The student will receive an “I”.

... a student fails the class, but passes the lab.

Action: The student will receive an “F”.

... a student fails the class and fails the lab.

Action: The student will receive an “F”.

... a student passes the class and passes the lab.

Action: The student will receive an “A”, “B”, “C”, or “D”, as earned, depending on the overall average.