

**ASTR 1346**  
**Introductory Astronomy II: Stars, Galaxies & The Universe**  
**Spring 2018**

**Tu Th 5:30 p.m. - 6:20 p.m. Science Hall 103**

- INSTRUCTOR:** Dr. M. Cuntz, Professor  
**OFFICE:** Chemistry and Physics Bldg. (New Planetarium), Rm 330  
**PHONE and E-MAIL:** (817) 272-2467 and [cuntz@uta.edu](mailto:cuntz@uta.edu)  
**OFFICE HOURS:** “after class” OR by appointment, please send Email
- TEXTBOOK:** **Discovering the Universe, 10th 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 10-11)  
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 after 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 16-14)  
Quasars, Other Active Galaxies (Ch. 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 February 15 (Th), 2018  
**Test 2** will be held on March 08 (Th), 2018  
**Test 3** will be held on April 24 (Tu), 2018  
**Final Exam** will be held on May 08 (Tu), 2018
- GRADING POLICY:** The test with the **lowest grade** will be dropped.  
**Each remaining test** will be worth 20% of the final grade.  
The **laboratory grade** will be worth 30% toward your grade.  
The **final exam** will also be worth 30% of the final grade.  
There will also be a policy how to be excused from the final.  
(But if you need to take the final exam, the grade of the final exam won't be dropped regardless.)
- 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**

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/aao/fao/>).

**Disability Accommodations:** UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of a letter certified by the **Office for Students with Disabilities (OSD)**. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting:

**The Office for Students with Disabilities, (OSD)** [www.uta.edu/disability](http://www.uta.edu/disability) or calling 817-272-3364.

**Counseling and Psychological Services, (CAPS)** [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671.

Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Title IX:** *The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit [uta.edu/eos](http://uta.edu/eos). For information regarding Title IX, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).*

**Academic Integrity:** Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

You must acknowledge adhering to the honor code by signing on the class roster, which will be circulated next week in the class. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

**Violations to the academic integrity policy will result in ZERO on the work for which the Honor Code was NOT upheld.**

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as "lecture," "seminar," or "laboratory" shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at <http://www.uta.edu/universitycollege/resources/index.php>.

**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.

# ASTR 1345 and 1346 Astronomy I / II

## Rules of the Exemption of Students from the Final

The following rules will be applied for exempting students from the Final:

An exemption from the Final will be granted in case that a student has

1) at least 89.5% correct answers in Test 1 **and** Test 2 **and** Test 3

**OR**

2) at least 92% correct as **average** between Test 1, Test 2, Test 3.

Rule 2 allows that a relatively low grade in one of the Tests (88%, for instance) can be compensated by an exceptionally high grade (98%, for instance) in one of the other tests.

Exemptions from the Final are unrelated to your Lab grade.

Dr. Manfred Cuntz  
Department of Physics, UTA