

INTRODUCTORY ASTRONOMY II

ASTR/PHYS 1446-003: Spring 2012

When: MW 5:30 PM – 6:50 PM

Where: 121 SH

Instructor: Dr. Sangwook Park

Office: 332 Chemistry and Physics Bldg (CPB)

E-mail: s.park@uta.edu

Office Hours: By appointment

Textbook: Discovering the Universe, 8/9th Ed.
by N. F. Comins and W. J. Kaufmann III
Supplementary material as needed

Objectives: To learn basic nature of light. Introduction to various topics of modern astronomy; the Sun, stars, and their lives, structure and evolution of the Milky Way Galaxy and other galaxies, active galaxies, and cosmology.

PREREQUISITES: ASTR/PHYS 1445 recommended

POLICY: **3 Mid-Term Exams – 45 % (15 % each)**

Tentatively, week of **Feb 13, Mar 5, and Apr 9**

1 Final Exam – 30 %, 5:30 PM – 8:00 PM, Monday **May 7**, 2012

Lab: 25 % (You **must score > 60% TO PASS THE COURSE**).

Lab sessions will start in the week of Jan 30.

No attendance check, but midterm and final exams will include **in-class questions**.

Make-up exams may be arranged **prior to** the regular exam with a notification **5 business days ahead**, depending on circumstances: e.g., “significant health or family matter” might be accepted, but “work schedules”, “friends’ birthday...” are not acceptable. Make-up exams after the regular exam may be arranged **for mid-terms only if official written proof for medical emergency** should be provided.

There will be **no make-up for the final exam – no exception.**

No food, cell phone, ipod, iphone, video game, mp player etc.

GRADE SCALE: > 90 % = A
80 – 89 % = B
70 – 79 % = C
50 – 69 % = D
< 50 % of total, **OR** < 60 % of Lab = **F**

- There will be **no curve**.
- Obvious **“clustering”** may be considered for scores at border.
- Significant **improvement in the final exam** may be considered for those at border.

COURSE CONTENT: Nature of Light - Chapter 3
Atomic Physics and Spectra – Chapter 4
The Sun – Chapter 10
Stellar Classifications – Chapter 11
Stellar Evolution – Chapter 12
Deaths of Stars & Black Holes – Chapter 13 & 14
The Milky Way – Chapter 15
Galaxies – Chapter 16
Active Galaxies & Quasars – Chapter 17
Cosmology – Chapter 18

Syllabus on-line: <http://www.uta.edu/physics/main/faculty/>
Link to the instructor's **“Faculty Research Page”**.

Lecture slides on-line: <http://elearn.uta.edu/> after each class: **Blackboard**.
Course syllabus is also available in this site.

Check announcements on **Blackboard** and your **E-mail** as often as possible.

University 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. Contact the Financial Aid Office for more information.

Americans with Disabilities Act:

The University of Texas at 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)*. 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 that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. 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 or by calling **the Office for Students with Disabilities at (817) 272-3364**.

Academic Integrity:

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**. According to the UT System Regents' Rule 50101, §2.2, "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 in 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."

Student Support Services Available:

The University of Texas at 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. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at **817-272-6107** or visit www.uta.edu/resources for more information.

Electronic Communication Policy:

The University of Texas at Arlington has adopted the University “MavMail” address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. **Students are responsible for checking their MavMail regularly.** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington.