

GENERAL INFORMATION

SECTION 002 Pickard Hall Room 102 10:00 – 10:50 am Mo We Fr
INSTRUCTOR: Dr. Hua Shan Telephone: 817-272-5685
 Office: 452 PKH E-mail: hshan@uta.edu
 Web page: <http://www.uta.edu/faculty/hshan/home/home.html>
 Office Hours: 2:00–3:00pm Mo We, or by appointment

REQUIRED TEXT BOOK:

Linear Algebra with Applications, 3rd edition, by Otto Bretscher,
 Pearson Prentice Hall, 2005.

COURSE OUTLINE: 1.1-1.3, 2.1-2.4, 3.1-3.4, 4.1, 5.1-5.3, 6.1-6.3, 7.1-7.6

PROCEDURE:

Material will be covered by lectures, not necessarily restricted to the text and handouts. Students are expected to read text and/or other assignments thoroughly.

EXAMINATIONS: (Any change will be announced in class prior to the exams)

- Weekly 10-minute closed book **Quiz** in class on Friday (except for exam days).
- Three **Midterms**:
 Midterm 1: 10:00 am - 11:00 am on Friday, February 13.
 Midterm 2: 10:00 am - 11:00 am on Friday, March 13.
 Midterm 3: 10:00 am - 11:00 am on Friday, April 17.
- One **Final Exam**: 8:00 - 10:30 a.m. on Monday, May 11 (Room TBA, any change will be announced in class)

Any missed quiz will count as one of the 3 lowest quiz grades. If you miss more than three quizzes, official documentation for all the missed quizzes must be presented for any accommodation to be considered. You may be asked to present a UTA picture ID at any exam and quiz. Please bring your UTA picture ID to all exams and quizzes.

PERFORMANCE EVALUATION:

Material covered on the tests will include handouts, lecture notes and outside readings. All work must be your own.

Midterm 1	15%
Midterm 2	20%
Midterm 3	25%
Final examination	30%
Quizzes	10%

Grading scale: 90 – 100: A; 80 – 89: B; 70 – 79: C; 60 – 69: D; < 60: F;

A grade of “F” will be assigned for any work which is clearly not your own or cheating of any type. Your lowest three (3) quiz grades will not be used to compute your course grade.

HOMEWORK ASSIGNMENTS:

With each lesson, you will be given a set of homework problems. Some will be worked on in class, and the rest on your own or with classmates outside of class. The homework will not be collected; it is given to help you learn the material and prepare for the quizzes and

exams. The tests will be designed to determine whether you have mastered the ideas in the homework. The best way to guarantee a good grade in this class is to do ALL the assignments on a regular basis.

EXPECTED LEARNING OUTCOMES:

Upon completion of Math 3330, the students will be able to perform various tasks including (but not limited to) those outlined below.

1. Students will be able to be able to solve systems of linear equations and interpret the results geometrically.
2. Students will be able to give the geometric meaning of linear transformations and express them in different coordinate systems.
3. Students will be able to calculate and describe geometrically the kernel, range, determinant, eigenvectors, and eigenvalues of a linear map.
4. Students will be able to solve problems involving orthogonal projection and orthonormal bases.
5. Students will be able to apply the concepts listed above in solving practical problems.

ATTENDANCE:

Please arrive on time for class. Late arrivals are distracting to your classmates and to me. Attendance record may be taken on a regular basis for both lecture and lab sessions. Cell phones should be switched off during all class meetings.

HELP OUTSIDE CLASS TIME:

The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. These programs include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.

Office Visit:

You may visit my office during office hours as given above or by appointment. Those hours will be listed on the class syllabus or you can contact the Math Department at 817-272-3261 to find out your instructor's office hours.

Math Clinic:

The Math Department operates the Math Clinic, a tutoring service staffed by upper level undergraduate students. When you registered for this course, you were assessed a fee which allows you unlimited access to the Math Clinic. You will need to show your Mav ID to use the Math Clinic. There are tables where you may study on your own or quietly with other students. Each table has a flag which you can raise to indicate that you need help from a tutor. The Math Clinic is in room 314 PKH; the phone number is 817-272-5674; and the hours of operation for fall and spring are

Monday – Thursday	8am to 9pm
Friday	8am to 1pm
Saturday	10am to 6pm
Sunday	1pm to 9pm

Go to the Math Clinic webpage <http://www.uta.edu/math/clinic/> to get more information or to access assignment sheets for the courses for which tutoring is offered.

SOAR Program:

The SOAR program is an academic support program that provides tutoring, counseling, seminars, graduate school preparation, course reviews, study groups and other support

services by trained staff dedicated to helping UT Arlington students reach their full academic potential. Go to <http://www.uta.edu/soar/> for more details.

AMERICANS WITH DISABILITIES ACT:

The University 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 the course coordinator as soon as possible and providing *authorized* documentation through designated administrative channels.**

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 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.” (Regents Rules and Regulations, Part One, Chapter IV, Section 3, Subsection 3.2, Subdivision 3.22)

GRADE REPLACEMENT POLICY:

These policies are described in detail in the University catalog and can also be founded online at <http://www.uta.edu/catalog/general/academicreg>

The deadline for filing a grade replacement request is Census Date, February 4.

STUDENT DISRUPTION:

The University reserves the right to impose disciplinary action for an infraction of University policies. For example, engagement in conduct, alone or with others, intended to obstruct, disrupt, or interfere with, or which in fact obstructs, disrupts, or interferes with, any function or activity sponsored, authorized by or participated in by the University.

DROP POLICY:

The last official day this semester to drop a course is **April 3**. Any student who drops the course on or before April 3 at 5pm will receive a W. **Students must contact an advisor in their major in order to drop a course.**

DROP FOR NON-PAYMENT OF TUITION:

If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar’s Office.

IMPORTANT DATES:

February 4

Census Date

Friday February 13
Friday, March 13
March 16 – 20
Friday, April 3
Friday, April 17
Friday, May 8
Monday, May 11

Midterm 1 10am to 11am
Midterm 2 10am to 11am
Spring Break
Last day to drop
Midterm 3 10am to 11am
Last day of classes
Final Exam 8am to 10:30am