

Mathematics 1302  
College Algebra  
*Fall 2011*

Class sections: 002, 102, 202, 302 Tuesdays & Thursdays, 9:30-10:50 a.m., SWCA 109

Lab sections: **002** Tues 1-1:50 pm Garcia, PKH 319; **102** Tues 2-2:50 pm Ojeda, PKH 319  
**202** Thurs 1-1:50 pm Garcia, PKH 319; **302** Thurs 2-2:50 pm Ojeda, PKH 319

	Instructor: Dr. Cordero	Graduate Teaching Assistants	
		Mr. Ernesto Garcia	Mr. Ivan Ojeda
Office	<b>486 PKH</b>	410 PKH	430 PKH
Telephone	817-272-5062	817-272-0476	
Office hours	Wednesdays and Thursdays 11:00 am-12:00 noon, or by appointment	MW 4:20-5:20 p.m.	MW 3:00pm - 4:00pm
E-mail	cordero@uta.edu	ernesto.garcia@mavs.uta.edu	ivan.ojedaruiz@mavs.uta.edu
Website	wwweb.uta.edu/faculty/cordero/		

**Textbook:** College Algebra & *Solutions Guide*, Third Edition, By P. Ellington

**About the course:** College Algebra covers the following topics: linear, quadratic, and higher order polynomial equations and inequalities solved algebraically, graphically, and numerically; graphs and operations on relations and functions; real and complex zeros of polynomials and rational function; exponential and logarithmic functions; systems of linear equations; matrices. This material is presented on Chapters 1-5 in your textbook.

**Learning Outcomes for College Algebra:** Upon completion of MATH 1302,

1. Students will be able to use functions both in a procedural and a conceptual manner.
2. Students will be able to represent functions graphically, numerically, algebraically, and/or verbally.
3. Students will be able to solve algebraic equations and simultaneous systems of equations. They will also be able to interpret the meaning of the solution(s) and demonstrate graphical solution techniques when appropriate.
4. Students will be able to interpret equations and their graphs.
5. Students will be able to interpret and explain the meaning of solutions of inequalities.
6. Students will be able to transform and solve equations involving logarithmic and exponential functions.
7. Students will be able to perform matrix operations, including multiplication, inverses and determinants.

**Course Prerequisites:** A score of 12 or higher in the MAT test is required for Math1302.

**Evaluation:**

Midterm Exam 1	Friday September 30 6:00-8:00 p.m.	55%
Midterm Exam 2	Friday November 4 6:00-8:00 p.m.	
Midterm Exam 3	Friday December 2 6:00-8:00 p.m.	
Quizzes/Labs	Weekly take-home and in-class quizzes, and Homework	15%
Final examination	Saturday December 10 9:00-11:30 a.m. Comprehensive coverage	30%
Attendance Policy	Students are allowed 3 absences. For each absence above three, <u>5 points will be deducted</u> from the student final semester grade.	

**Grading Scale:** Standard curve (90-100 A; 80-89 B; 70-79 C; 60-69 D; 0-59 F)

**Homework/Quizzes//Examinations Policies:**

- ❖ Homework will be assigned every time the class meets. Quizzes' problems will be taken directly from the homework.
- ❖ Your questions from the homework will be answered during the labs. Also, the weekly quizzes will be given at the labs.
- ❖ Instructions for turn-in papers:
  - Work should be done in pencil and erasures should be clean and complete.
  - Problems should be written in order and include the page number and the problem number, i.e. p26 # 5, if appropriate.
  - Write on one side of the paper only.
  - If you tear the page from a spiral notebook, trim the curly edges.
  - Papers must be stapled together (upper left hand corner) and folded in half lengthwise.
  - On the outside write your name, date and assigned problems.
  - No late work will be accepted.
  - **If these guidelines are not followed, your paper will not be graded and you will receive 0 points on that work.**
- ❖ There will be no make-up tests for any reason. If a student has an approved, documented excuse for missing a test, the final exam will replace that test score. This can be done only once. Any student who will miss a test due to a school sponsored away activity or military duty must provide official documentation to the instructor **BEFORE** the test.

Calculators: The only calculators allowed for the midterms and final are non-graphing calculators.

### **Cell Phone, Beeper, & Chiming Watch Etiquette:**

- Cellular phones should be either switched off or set to “silent” mode during all classes. Cellular-phone use will not be permitted in class. If you must take an important call, please leave the classroom.
- Cellular phones are prohibited during exams.
- Beepers should be either switched off or set to “silent” mode during all classes and during tests.
- You should assure that watches with alarms and chirps will not sound during class.

### **Help Outside of Class Time:**

**Office hours:** My office hours are given above. These are times when I will be available in my office to discuss the material/homework/tests. No appointment is necessary for those times. If, however, those times are inconvenient for you, then make an appointment with me for another time (e.g., e-mail me stating the times you prefer). *Please use the subject heading “**Math 1302 Student Question**” when sending e-mail and identify yourself (full name) in the communication.* **Notice:** You should contact your TA first with any issues concerning class.

**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. 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.

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. 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, and 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.

**Supplemental Instruction (SI)** Supervised by staff in the University Tutorial & Supplemental Instruction office, Supplemental Instruction (SI) is a series of informal, weekly review sessions for students in select courses. Attendance at sessions is voluntary and free to anyone enrolled in the course. SI is provided for all students who want to improve their understanding of course material, discuss important concepts, develop study strategies and prepare for tests. A leader who has previously completed the course successfully and is proficient in the course content facilitates SI. For the most current SI schedule information, check [www.uta.edu/si](http://www.uta.edu/si). Contact 817-272-2617 or [si@uta.edu](mailto:si@uta.edu) if you have any questions.

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.

**Private tutors:** The Math Department maintains a list of people who have expressed an interest in tutoring. These persons are not necessarily recommended by the Math Department and they set their own fees. You may obtain a copy of the tutor list in the Math Office, 478 PKH.

## University Information

**Electronic Communication:** E-mail is a prime means for communication. Therefore, the University has the right to send communications to students via e-mail and the right to expect that those communications will be received and read in a timely fashion. The Office of Information Technology (OIT) will assign all students an official University e-mail address. It is to this official address that the University will send e-mail communications. Students are expected to check their official e-mail account on a frequent and consistent basis to stay current with University communications. **The University recommends checking e-mail daily in recognition that certain communications may be time-critical.**

**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 faculty at the beginning of the semester and in 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 found online at [http://www3.uta.edu/catalog/content/general/academic\\_regulations.aspx#10](http://www3.uta.edu/catalog/content/general/academic_regulations.aspx#10)

**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 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.