MATH 1314 College Algebra, 3 Credits

Description

In-depth study and applications of polynomial, rational, radical, absolute value, piecewise-defined, exponential and logarithmic functions, equations, inequalities, graphing skills and systems of equations using matrices. Additional topics such as sequences, series, probability, conics, and inverses may be included.

Prerequisites

MATH 0310 or placement by testing; Course may be taken as a corequisite with ENGL 0305 or ENGL 0365 and ENGL 0307

Textbook

*Intermediate Algebra and College Algebra*
Kaufmann and Schwitters, 9th edition
bundled with an Enhanced WebAssign access code card
Cengage Learning


Math 1314 Outcomes

- Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, inverses and piecewise defined functions.
- Recognize, graph and apply polynomial, rational, radical, exponential, logarithmic and absolute value functions and solve related equations.
- Apply graphing techniques.
- Evaluate all roots of higher degree polynomial and rational functions.
- Recognize, solve and apply systems of linear equations using matrices.
- Solve absolute value, polynomial and rational inequalities.
Dr. Chris Martin  
Professor of Mathematics  
Lone Star College Kingwood  
Kingwood Math Department  

| 205E ADM building | 281.312.1648 | chris.martin@lonestar.edu | Office Hours MWF 10:45 - 11:45 am, TTH 8:30 - 9:30am |

Homework

Suggested homework problems can be found on the website. Homework is not turned but if you get stuck on something post your question to the discussion board.

Attendance

Roll will be taken on a daily basis and you can have 5 unexcused absences. After the unexcused absences you should drop the class or your final course grade will be lowered by 1 letter grade for each absence over the 5.

Behavior

This is a college course and I expect you to be professional. Chatting, socializing and playing with your cell phone can be done out in the hallway. We are all late from time to time but try not to make it a habit.

Dropping or Withdrawing

“Students who enrolled in Texas public institutions of higher education as first-time college students during the Fall 2007 term or later are subject to section 51.907 of the Texas Education Code, which states that an institution of higher education may not permit a student to drop (withdraw with a grade of “W”) from more than six courses. This six-course limit includes courses that a transfer student has previously dropped at other Texas public institutions of higher education if they fall under the law. Students should be sure they fully understand this drop limit before they drop a course. Please visit the admissions office or counseling/advising center for additional information and assistance.”

Drop Date or date for a "W" April 3, 2014
First discuss your grades and the situation with me. Perhaps I can suggest different types of study methods or strategies that might allow you to remain in the course. If you really wish to drop the course then you must get an add/drop form from the admissions office and let me sign it. If you withdraw from any class on or before **April 3, 2014** you will receive a W on your transcript for the course grade. If you quit attending the class and do not fill out the proper paperwork then your final grade will be calculated based on the work that was completed. If you need to withdraw from the course for a medical emergency or a special situation then as an option you can be given a grade of "I".

**Grading**

3 Tests  
1 Final Exam

**3 Tests 75% or 25% each**

Before each test you will be given a sample test and we will work through it on the review date. Each test will have 14 to 20 questions. Partial Credit is given so do not leave anything blank.

**Final Exam 25%**

The final exam is mandatory and you must score a 50 or above. Scoring below a 50 will result in a grade of F for the semester. There will be a sample final.

**Grading Scheme**

Average = ( Test 1 + Test 2 + Test 3 + Final Exam ) / 4

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<tr>
<th>Average</th>
<th>Grade</th>
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<tr>
<td>90 &lt;= Average</td>
<td>A</td>
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<td>80 &lt;= Average &lt; 90</td>
<td>B</td>
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<tr>
<td>70 &lt;= Average &lt; 80</td>
<td>C</td>
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<td>60 &lt;= Average &lt; 70</td>
<td>D</td>
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<td>00 &lt;= Average &lt; 60</td>
<td>F</td>
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**Lost or Struggling**

Make sure that you do not fall behind and ask a lot of questions. You paid for the course and you should press me until you are satisfied with my response. If you find that you need help in the course there are many ways to get help: go to any of the Math tutoring centers located on each campus, phone me, e-mail me or drop by and visit in person. I want you to succeed.
Study Tips

Mathematics takes time to be digested and it cannot be done overnight. It is better to spend 1 to 2 hours per day instead of 10 hours the day before the test. Make index cards for the various techniques listing the steps that are needed. Make sample tests with various types of problems. This helps you to recognize the type of problem and the technique needed.

Academic Integrity

The district has taken a "zero tolerance" policy on plagiarism, misrepresentation of credentials, collusion, cheating, etc. Student may be expelled from institution for violating standards of academic integrity.

ADA Access

Our Mathematics Department promotes equity in academic access through the provision of reasonable accommodations as required by the Vocational Rehabilitation Act of 1973, Title V, Section 504 and the Americans with Disabilities Act of 1990 (ADA). These Acts enable students with disabilities to participate in and benefit from all post-secondary educational programs and activities. ADA accommodations at LSC-Kingwood are administered by Lee Ann Coulson- Liebst. If you have students in your class who fall under the guidelines of this legislation, they will bring you a form from Ms. Coulson-Liebst’s office outlining the accommodations to which they are entitled. Typical accommodations include extra time on tests, test taking in the Testing Center, a scribe to take notes for the students, etc. Please be sure to support these accommodations faithfully. If you or any of your students have any questions relating to ADA accommodations, please contact Lee Ann Coulson-Liebst at 281-312-1453 or LeeAnn.C.Liebst@lonestar.edu .If you are a student with a disability who will require an accommodation(s) to participate in this class, please contact me as soon as possible. You will be asked to provide documentation from the Disability Services Office (above). Failure to contact me in a timely manner may delay your accommodations.

Equal Opportunity Statement

LSC-Kingwood does not discriminate against individuals on the basis of race, color, gender, religion, disability, age, veteran status, national origin, or ethnicity in the administration of its educational policies, admissions policies, employment policies, scholarship and loan programs and other district or college administered programs and activities. If you are concerned about whether any activity you encounter at the college violates this policy, please contact Dr. Stephanie Doyen.