This semester you will delve further into the study of various families of functions. Curriculum includes linear, quadratic, polynomial, rational, radical, inverse, exponential, logarithmic, trigonometric, and inverse trigonometric functions; Laws of Sines & Cosines; vectors; polar & parametric graphing; complex numbers; matrix operations and equations; sequences & series (including arithmetic & geometric); binomial theorem; mathematical induction; conic sections; partial fractions; modeling & technological integration.

Accommodation:
If any student is in need of an accommodation due to a documented disability, the student must notify the instructor within the first week of class in order for the proper arrangements to be made.

Attendance:
• Each daily 3 hour, 5 minute class meeting is broken into two class periods, with a 20 minute break. Theoretically the first class period will run from 9:00-10:20, with the break running from 10:20-10:40, and the second class period will run from 10:40-12:05. Each day (class meetings), roll will be called at the beginning of both class periods.
• Three (3) tardies equals one absence.
• You are considered tardy if you are not present in class for between five minutes of and up to half of the minutes of any class, regardless of whether that means you missed the beginning of a class period, part of the middle of a class period, or you left early from any class period.
• Each tardy deducts two (2) points from your participation grade.
• You are considered absent from any class period, if you do not attend for at least half of that one (class period) session.
• Each class period absence deducts five (5) points from your participation grade.
• Two and a half (2½) full day (class meetings) absences (or 5 class periods) are allowed through the six-week course. We only meet 24 days (class meetings), so missing even one of these will definitely put you behind. Avoid absence from class at all cost. If you miss three (3) full day (class meetings) absences (or 6 class periods) you will automatically be dropped from the class, or receive an automatic “F”, unless prior arrangements have been made with the instructor. If you miss two (2) full days (or 4 class periods) during the first two weeks of classes, you will automatically be dropped from the class.
• Excessive leaving & entering of the classroom will not be tolerated. Any student deemed by the instructor of doing so, will be asked to leave class for the day.
• Deliberate distractions from class, like sleeping in class, doing homework in class, text messaging, etc., will not be tolerated. Each deliberate distraction from class deducts 2 points from your participation grade. A second deliberate distraction in the same class period will be met with dismissal from that class period, which means a 5 point participation grade deduction.
**Grading:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual tests</td>
<td>35%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Participation</td>
<td>10%</td>
</tr>
</tbody>
</table>

**Grading Scale:**

- 89.5% - 100% “A”
- 79.5% - 89.4% “B”
- 69.5% - 79.4% “C”
- 59.5% - 69.4% “D”
- 0% - 59.4% “F”

**Exams/Quizzes**

- Quizzes can be announced or not. If a student is not present either the day that a take-home quiz is passed out, or the day that it is due, the student will not receive credit for that quiz, unless previous arrangements have been made with the instructor. **All take-home quizzes are to be done (on your own) independently; that is without help from anyone, including other classmates and tutors.**
  
If you are caught working with someone else on a take-home quiz, or copying someone else’s work for a take-home quiz, or providing someone with your take home quiz for copying purposes, you will first receive a 0% on the entire take-home quiz. A second similar infraction will lead to more severe disciplinary action, usually a suspension from class for a time period to be determined at the time of the infraction.

- Three (3) individual exams will be administered during the six-week semester at approximately ten day intervals (approximately every six class meetings).

- If you do not take a midterm during its regularly scheduled time and you have not contacted the instructor first to make an accommodation due to the emergency (which will be confirmed by the instructor), you will receive a zero on that exam. **If the missed exam is the first exam, you will be dropped from the class.**

- **FINAL EXAM [Cumulative/Comprehensive : Chapters 1-11]** DATE: Thursday, July 31, 2008, 9:45 am - 11:45 am (Review from 9:00-9:30am)

**Homework** is graded in a variety of ways to encourage you to complete assignments, including:

- Turning in previous day's class assignment
- Spot check
- By a complete or a sampled packet on the day of a quiz or exam

**Calculator:**

A **graphing calculator** (many versions/models available) **is required**, but graphing calculators **cannot be used as your sole method of solving problems, unless otherwise specified.** You must be able to simplify & solve problems by “pencil and paper methods”, as modeled in class. The textbook uses screen shot pictures from the **TI-83 & TI-84+** calculators and the instructor will be using the **TI-84 Plus** (from Texas Instruments, available at many stores that sell electronic devices, and costs around $100) to analyze functions with handheld technology. Most students find that the utility of these very handy tools, far outweighs the amount of money spent. These tools will usually be accepted & utilized by future math teachers. You are to use these graphing calculators though to check the answers that you simplified/solved through pencil and paper methods, unless otherwise specified. If you peruse the text, you will find examples of the use of these graphing calculators in almost every chapter. **TI-89’s and TI-92’s are not allowed, unless arrangements are made with the instructor.** Please conduct these discussions outside of class time.
**Behavior:** General school policies apply. All work is to be completed individually, unless otherwise directed by the instructor. Cheating consequences range from a zero on the assignment to an “F” in the class. All matters concerning student behaviors and disciplinary issues are subject to the outlined principles in the student handbook.

**General Announcements:** All work (quizzes, tests, and homework) should be done in pencil, and should be ready to be turned in at the beginning of the class in which it is due. **All graphing needs to be done on graphing paper.** The instructor recommends using graph paper for all homework. All applicable steps (solutions/work) need to be shown. **No late work will be accepted.** All dates listed in the regular schedule apply. There will be "no record" shown, if you drop this class by the Monday of the 2nd week, (June 30, 2008). If this class is dropped on or before the Thursday of the 3rd week, (July 10, 2008), you will receive a “W” (withdrawal) on your transcript. After the half term deadline, the student will receive the applicable letter grade. **Note:** There will be no school holiday during this summer school session, since July 4th lands on a Friday.