

Syllabus
MATHEMATICS 175 / PRECALCULUS (CRN #25028)
WINTER SEMESTER (INTERSESSION: January 4 – February 11) 2010
Instructor: Mr. Rob Everest
MA 222, MTuWTh 1:00pm-4:05 pm

Textbook:	Precalculus , 4 th edition (Lial, Hornsby & Schneider)
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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 ; 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 1:00-2:30, with the break running from 2:30-2:50, and the second class period will run from 2:50-4:05. 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 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 23 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 during the first two weeks of classes, you will automatically be dropped from the class.
- Deliberate distractions from class, like sleeping in class, cell phones going off, text messaging, doing homework in class, or any behavior deemed by the instructor to be counter-productive to the educational process, will not be tolerated. Upon the first deliberate distraction in class 2 points will be deducted from your participation grade, and you will be asked to leave the classroom until you are allowed back in the room. 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.
- 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.

Textbook Requirement

Students are required to have the course textbook (not copied pages of the textbook) by the beginning of the second week. If a student does not meet that requirement, they can be dropped from the class.

Grading:

Individual tests 35%
Homework 15%

Quizzes 15%
Participation 10%

Final Exam 25%

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/tests are to be done (on your own) independently; that is without help from anyone, including other classmates and tutors. Students not following this policy will receive a 0% on that given quiz. A repeated violation will be met with more serious, disciplinary action.
- 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 or second exam, you will also be dropped from the class.
- **FINAL EXAM DATE: Thursday, February 11, 2010, 1:45 pm - 3:45 pm** (Review from 1:00-1:30pm)

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 pictures of the **TI-83** 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 until proper arrangements are made with the teacher!**

Graphing Calculator Requirement

Students are required to have a graphing calculator by the beginning of the second week. If a student does not meet that requirement, they can be dropped from the class.

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. **No food is allowed in the classroom, and only water in a closable container is allowed.**

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 should be done on standard ¼” quadrille graph paper. Since there is so much graphing in this class, it is highly advisable to do all of your homework on graph paper.** All applicable steps (solutions/work) as modeled in class, 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, (January 11, 2010). If this class is dropped on or before the Monday of the 4th week, (January 25, 2010) , 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 a school holiday on the Monday of the 3^d week, January 18, 2010 (Martin Luther King, Jr. Day).