
Math 105: College Algebra

Fall 2007

Dr. Chris Tweddle
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MWF 10–10:50 & 11–11:50 AM
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Course Description. Treats properties of linear, quadratic, polynomial, exponential and logarithmic functions, inequalities and systems of equations. Develops critical thinking and emphasizes real-world applications in the sciences and topical issues. Background should include three semesters of high school algebra.

Course Objectives. This course is intended to develop the ability to apply the techniques and concepts of college algebra to real-world problems; to improve overall critical thinking and problem solving abilities; and to learn to communicate mathematics both in writing and orally.

General Education. Math 105 is designated as a general education mathematics course. Therefore, in addition to mathematical content, applications of mathematics to other disciplines as well as effective communication (oral and written) will be emphasized. Math 105 is designed to develop abilities to read and write mathematical expressions and text and apply mathematics to real-world problems.

Required Text. David Dwyer and Mark Gruenwald, *College Algebra*, 3rd. edition. We will cover chapters 1–5.

Graphing Calculators. We will be using graphing calculators in this course. If you do not own a graphing calculator, you should consider purchasing a TI-83+ or a TI-84+. Calculators with computer algebra systems, such as the TI-89 and the TI-92, **are not allowed**.

Office Hours. I will be in my office MF 1–3 PM, TR 2–3 PM and 4–5 PM, and W noon–2 PM; additional times can be arranged by appointment.

Exams. There will be four in-class exams, worth 100 points each. Exam dates will be announced at least two weeks in advance. There will be a 150 point cumulative **final exam given Thursday, December 13 at 10:15 AM**. Note that this time differs from the exam time given by the office of the Registrar.

Quizzes and Projects. There will be a minimum of twelve 10-point quizzes and projects; the highest ten scores will count towards your grade.

Generally, quizzes will be given during weeks we do not have an exam; projects will be assigned for completion outside of class.

Homework. Exercises will be assigned to accompany the material covered in class. Homework will be collected and graded ten times during the semester for 5 points each; additionally, you *may* see similar problems on the tests and quizzes. Completion of the assignments is essential to success in this class.

Attendance. You are responsible for any information (including announcements) that you miss. The course website will have up-to-date information; please check there before contacting me. Arriving late or leaving early, reading the newspaper, text-messaging, etc. disrupts the class and is rude and unprofessional.

Course Grades. Your grade in the course will be based on the 700 points described above. The class will be graded on a ten point scale; pluses and minuses will be influenced by such factors as attendance and participation.

Make-up Policy. An opportunity to make up missed work will only be granted in the event of a *documented* emergency or illness. If you anticipate a conflict with an announced exam, speak with me **before** the scheduled date.

Extra Credit. There will be no extra credit assignments.

Academic Honesty. Cheating will not be tolerated. We will follow the University's honor code, which reads "I will neither give nor receive unauthorized aid nor will I tolerate an environment which condones the use of unauthorized aid." Collaboration on homework assignments and projects is encouraged; note that work to be submitted for a grade should be your own and not copied from a fellow student.

Students with Disabilities. It is the policy and practice of the University to make reasonable accommodations for students with properly documented disabilities. Written notification to faculty from the Office of Counseling and Health Education is required for any academic accommodations. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with me and allow two weeks notice. If you have questions about services for students with disabilities or procedures for requesting services, you may contact the Office of Counseling and Health Education at 488-2663.

Disclaimer. I reserve the right to change the dates and policies outlined above at my discretion. Any changes will be announced well in advance.