Math 205
Elementary Algebra
Spring 2013

Topics: Algebraic expressions, linear equations and inequalities in one variable, graphing, equations and inequalities in two variables, integer exponents, use of a scientific calculator, polynomials, rational expressions and equations, radicals and rational exponents, and quadratic equations.

Mathematics 205, 205A and 205B, and 206 have similar course content. This course may not be taken by students who have completed Mathematics 205B or 206 with a grade of "C" or better. This course may be taken for Mathematics 205B credit (2.5 units) by those students who have successfully completed Mathematics 205A with a grade of "C" or better.

Prerequisites: Mathematics 402 with a grade of 'Pass' or with a 'C' or better, or assessment test recommendation.

Time and Place: MTWThF 8:10-9:00 Life Sciences 101
Class Webpage: http://hhh.gavilan.edu/ptantalo/spring2013/math205/
Instructor: Patrick Tantalo
Email: ptantalo@gavilan.edu
Office: Math 109 or the Math Lab
Office Hours: TTh 9:15-10:30 am, or by appointment


Tentative Schedule:

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Coursework and Evaluation:
Homework will be due on Tuesdays at beginning of class.
Quizzes will be held during the last 10 minutes of class on Thursdays.
Midterm Exams will be held on the following Thursdays: Feb. 28, Mar. 28 and May 2.
Final Exam will be held Wednesday May 22, 8:00-10:00 am.
Coursework will be weighted as follows:

**Homework** 20%
**Quizzes** 20%
**Midterm Exams (3)** 30% (10% each)
**Final Exam** 30%

The grading scale for the class will be approximately:
A: 93%-100%, A-: 90%-92%, B+: 87%-89%, B: 83%-86%, B-: 80%-82%, C+: 76%-79%, C: 70%-75%, D: 60%-69%, F: 0%-59%. Letter grade boundaries may be lowered at my discretion in order to eliminate some borderline cases.

**Attendance Policy:**
Students are expected to attend every class and turn in all work on time. Those missing one class within the first two weeks without making prior arrangements may be dropped from the course. Students missing four or more classes during the semester without making prior arrangements may also be dropped.

**Course Learning Outcomes:**
- Simplify and evaluate expressions. Solve linear equations and inequalities in one variable and their applications.
- Evaluate and solve formulas.
- Graph linear equations and inequalities in two variables.
- Solve systems of equations and inequalities in two variables and their applications.
- Apply the laws of exponents to algebraic expressions. Use scientific notation and a scientific calculator.
- Define a polynomial and perform the operations of addition, subtraction, multiplication, and division of polynomials.
- Factor polynomials and solve polynomial equations in one variable.
- Simplify and add, subtract, multiply, and divide with rational expressions.
- Determine square roots, simplify radicals, and perform basic operations with radicals.
- Solve quadratic equations by using the quadratic formula.

**ADA Accommodation Statement:**
“Students requiring special services or arrangements because of hearing, visual, or other disability should contact their instructor, counselor, or the Disabled student Services Office.”

**Occupational/Vocational Statement:**
“Occupational/Vocational students – Limited English language skills will not be a barrier to admittance to and participation in Vocational Education Programs.”

**Student Honesty Policy Reference Statement:**
“Students are expected to exercise academic honesty and integrity. Violations such as cheating and plagiarism will result in disciplinary action which may include recommendation for dismissal.”