

Math 1010 – Intermediate Algebra - Sections 2 & 5 Fall 2006

Information contained in this syllabus, other than the grading, late assignments, makeup work, and attendance policies, may be subject to change with advance notice, as deemed appropriate by the instructor. Changes will be announced in class.

Instructor: Sarah Brown
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Email: brown_s@suu.edu Occasionally I don't receive emails, especially from yahoo accounts. If problems occur, please use brownsarah@suumail.net
Website: http://www.suu.edu/faculty/brown_s/
Prerequisites: A Math ACT of at least 18 or [Math 0990](#).
Text: *Intermediate Algebra* 7th Edition by Charles McKeague
Other Materials: Scientific Calculator
Fees: \$115
Class Meetings: **Section 2:** 9-9:50am Monday through Friday SC129.
Section 5: 12-12:50am Monday through Friday SC129.
Office Hours: Monday through Friday, 10-10:30am and 3-3:30pm in SC 120

Course Description:

The traditional topics of intermediate algebra are covered: graphing linear equations and inequalities, absolute value equations and inequalities, factoring, rational expressions, exponents, radicals, quadratic equations, exponential and logarithmic functions, and an introduction to sets, functions and complex numbers.

Purpose:

This class can be a prerequisite to Math 1050, Math 1040, Math 1060, and Math 1030. If you plan on taking Math 1030, it is recommended that you take Math 1020 rather than Math 1010.

Objectives:

Understand and use the basic properties of real and complex numbers.
Solve and apply linear equations and inequalities in one variable, including those involving absolute value.
Graph lines and other functions.
Solve and apply linear equations and inequalities in several variables.
Use the properties of exponents in simplifying algebraic and radical expressions.
Manipulate polynomials and rational expressions; solve equations involving them.
Be introduced to logarithms.

Grading:

Homework (47 assignments)	450 points (10 pts each, lowest 2 assignments dropped)
Chapter Tests (4 tests)	300 points (100 pts each, lowest test dropped, do complete corrections for half of missed pts back, work must be shown)
Final Exam	250 points (cumulative)
Extra Credit	½ point for each day you attend class (except exam days and reviews), provided you're on time and stay the whole class period. There are also extra credit test review assignments.

Grading Scale:

A	930-1000 (93%-100%)	B-	800-829 (80%-82%)	D+	670-699 (67%-69%)
A-	900-929 (90%-92%)	C+	770-799 (77%-79%)	D	630-669 (63%-66%)
B+	870-899 (87%-89%)	C	730-769 (73%-76%)	D-	600-629 (60%-62%)
B	830-869 (83%-86%)	C-	700-729 (70%-72%)	F	0-599 (0%-59%)

The class is 5 credits. Expect to spend at least 10 hrs on homework each week (2 hours for every hour of class). Homework is graded by selecting a few of the assigned problems. Work must be shown to get credit. You are encouraged to work in groups but may not copy each other's homework. Copying solutions from others or the back of the book or solutions manual will result in 0 credit. Homework is collected at the end of class but may also be turned in at my office (SC 120) by 5pm the day it is due. Late homework is not accepted and missed exams cannot be made up unless there are extenuating circumstances as approved by the instructor. Grades will be posted periodically on WebCT, which can be accessed from <http://www.suu.edu/curstu/>.

University Policies:

Scholastic dishonesty will not be tolerated and will be prosecuted to the fullest extent. You are expected to have read and understood the current issue of the student handbook (published by Student Services) regarding student responsibilities and rights, and the intellectual property policy, for information about procedures and about what constitutes acceptable on-campus behavior.

Students with medical, psychological, learning, or other disabilities desiring academic adjustments, accommodations or auxiliary aids will need to contact the *Disability Support Center*, Room 205D, Sharwan Smith Center, phone (435) 865-8022. The Disability Support Center determines eligibility for and authorizes the provision of these services and aids.

Resources for Help:

- The Student Success Center <http://www.suu.edu/ss/success/> in the Sharwan Smith Center has free tutoring <http://www.suu.edu/ss/success/tutoring.html>.
- My office hours are Monday through Friday 10-10:30am and 3-3:30pm in SC 120.
- You may form study groups with your classmates. However, the problems must be written up in your own words. Duplicate homeworks are not acceptable.
- Wednesday help sessions with the TA are partly question/answer sessions.
- The textbook explanations can be helpful.