

Math 1020 – College Mathematics - Sections 3 & 6 Fall 2005

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
Office: SC 120
Phone: 865-8173
email: brown_s@suu.edu
Website: http://www.suu.edu/faculty/brown_s/
Prerequisites: None
Text: Thinking Mathematically 3rd Edition by Robert Blitzer
Other Materials: Scientific Calculator with e^x and y^x or \wedge
Fees: \$115
Class Meetings: **Section 3:** 12-12:50pm Monday through Friday SC129
Section 6: 3-3:50pm Monday through Friday SC129
Office Hours: MTWThF 10-11am in SC 120

Course Description: A course to enable students to build their math skills in order to complete the quantitative literacy requirement for general education. The course will include an introduction to problem solving, sets, number systems including the real numbers, linear equations and inequalities, quadratic equations and functions. (This course does not fill the requirement for general education.)

Purpose: This class is to prepare you to either take Math 1030 or Math 1010. If your math ACT score is at least 18, you make skip this class and go straight into Math 1010. If your math ACT score is at least 23, you make skip this class and go straight into Math 1030. If you are unsure about what to take, please see Nancy DeLaet in TH118 865-8702 delatn@suu.edu.

Objectives:

- Develop problem solving skills
- Learn basic set theory
- Study integers, rational, irrational, and real numbers and their properties
- Recognize and write formulas for arithmetic and geometric sequences
- Perform basic operations in various numbers systems
- Solidify basic algebra skills such as evaluating functions, factoring, graphing, and solving equations
- Understand and use modular systems and clock arithmetic

Grading:

Homework	300 points (10 pts each, lowest 3 assignments dropped)
Chapter Tests	500 points (100 pts each, lowest test dropped, do complete corrections for half of missed pts back, work must be shown)
Final Exam	200 points (cumulative)
Extra Credit	½ point for each day you attend class (except exam days & reviews), provided you're on time and stay the whole class period. There are also extra credit test review assignments.

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 others 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 <http://www.suu.edu/it/webdev/redirect/webct.asp>.

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.

Additional Resources: 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>.