Math 1050: College Algebra, Spring 2017

Instructor: Sheridan. **Office**: PGHS 107   **e-mail**:ssheridan@alpinedistrict.org.
 Office Hours: lunch and after school.
Text:
- College Algebra 7e, by Stewart, Redlin, & Watson [For all traditional and CE courses.]
    [Minimum sections to cover: 2.1-2.4, 2.6-2.8, 3.1-3.6, 4.1-4.6, 5.1-5.5 and Linear Programing, 6.1-6.4,
8.1-8.3, & 8.6.]
- College Algebra 2e, by Ratti & McWaters [For hybrid courses only.]
     [Minimum sections to cover: 2.4-2.9, 3.1-3.6, 4.1-4.5, 5.1-5.6, 6.1-6.4, 8.1-8.3, & 8.5.]
- College Algebra 2e, by Miller & Gerkin [Must use ALEKS and course as created by dept.]
[Minimum sections to cover: 2.3, 2.4, 2.6-2.8, 3.1-3.5, 4.1-4.6, 5.1-5.6, 6.1-6.5, 8.1-8.3, and 8.5]

Grading:
Final Exam.   20-30%
Homework, participation, and quizzes.   No more than 20%
Tests.   50-65%
Total.   100%
Instructors please note the following policies:
- The Final Exam and Midterms must be proctored. (No take-home exams, no open-book exams, or no online
exams should be given. No cheat cards are allowed.)
- Minimal extra credit may be given and the conditions for earning extra credit must be outlined in the syllabus.
- The majority of exams must be work-out problems. To earn full credit, students must show their work. No
multiple choice exams.
You - No test re-takes are allowed.- No test reworks that change the test score are allowed. Teachers may
give rework options that count for HW or quiz points at their discretion.
The grade scale is as follows:

Percent	Grade	Percent	Grade	Precent	Grade	Percent	Grade
93-100	A	83-86.9	B	73-76.9	C	63-66.9	D
90-92.9	A-	80-82.9	B-	70-72.9	C-	60-62.9	D-
87-89.9	B+	77-77.9	C+	67-69.9	D+	0-59.9	E

Prerequisites: One of the following must be less than two years old: completed MAT 1010 or MAT 1000 with a
grade of C or better; an ACT mathematics score of 23 or higher or an SAT mathematics score of 540 or higher;
or recommended placement by the ACCUPLACER or ALEKS test. Students who have not satisfied this
prerequisite may be administratively withdrawn from this course at any time.

Final Exam: The final exam for this course will be May 16. It is University policy to have final exams as
scheduled in the Spring 2018 Class Schedule. Failure to take the final exam will result in a grade of UW or E
(based on last date of attendance) for the course regardless of other grades. It is University policy that no one
will be permitted to take a final exam early.

Students who need accommodations because of a disability may contact the UVU Accessibility Services

Department (ASD), located on the Orem Campus in LC 312. To schedule an appointment or to speak with a counselor, call the ASD office at 801-863-8747. Deaf/Hard of Hearing individuals, email nicole.hemmingsen@uvu.edu or text 385-208-2677.

Drop Date: 5 Dec 2017 - Last day to drop a class with no record on transcript.
            26 Jan 2018 - Last day to withdraw from a class (with a "W" on transcript).
Students can withdraw from this class by telephone by calling Registration and Records at 801-863-8468, or online. To withdraw online, log into your myUVU account, select the Student tab, and click the Registration and Planning link in the menu. Access the Add or Drop Classes page, open the drop-down menu next to the course, select WEB DROP, and click on the Submit Changes button. AUDIT grades must be requested in person at the Registration and Records windows. [These dates change every semester.]

Calculators: No Calculators allowed.

Course Outcomes: Upon successful completion of this course a student is able to:
(1) Use algebraic methods to solve a variety of problems involving exponential, logarithmic, polynomial, and rational functions, systems of equations and inequalities, sequences notation.
(2) Solve equations by correctly completing several logical steps before arriving at a final answer, and when possible, check solutions.
(3) Graph linear, power, root, reciprocal, absolute value, polynomial, rational, exponential, logarithmic functions and conic sections along with basic transformations.
(4) Analyze real world problems such as population growth, half-life, compound interest, and optimization. Select appropriate mathematical models to aid in finding solutions.
(5) Demonstrate understanding by interpreting mathematical vocabulary and symbols representing mathematical information.
(6) Use algebraic manipulations to rewrite equations and expressions, including rewriting in standard form, factoring, and completing the square. Use matrix methods such as Gaussian elimination, inverse matrices, and determinants to solve systems of linear equations.

Essential Learning Outcome: This course is part of UVU's general education program and is intended to address the Essential Learning Outcome: Intellectual and Practical Skillsfoundation.

Student's rights and responsibilities: This course is designed to prepare students for more advanced mathematics courses, preparing for a career and to improve their math skills. In order to achieve this goal, cooperation is needed from all to maintain a quiet classroom so that everyone can hear and learn without interruptions from others. "Each student is expected to display appropriate conduct in classroom situations, which will enhance the learning environment." (Students Rights & Responsibilities Code, page 5).

In addition, each student is expected to:
• Perform basic algebraic and arithmetic operations using their knowledge of mathematical facts, rules and properties.
• Recognize and use their knowledge of a wide variety of mathematical definitions, terms, symbols, expressions, statements, formulas, procedures and methods taught or used in the course.
• Solve problems by selecting the most appropriate mathematical formula, procedure, or method from among several formulas, procedures, or methods known by the student.

Something like the following sections are strongly encouraged. Please, edit to fit the semester and your plans.

Math Lab: Tuesday - Thursday 2:30-3:30 @PGHS; UVU LA 201, 863-8411, Hours: Mon - Thurs 8am to 8pm, Friday 8am to 5pm, Saturday 10am to 3pm.

Homework: - Resubmissions accepted until the test with no penalty. No homework for that unit accepted after test.

Grading of Exams: Credit/Partial credit: Your work will be graded for clarity of presentation, neatness, and accuracy. Correct answers without justification earn no credit, unless otherwise indicated. All work required to solve a problem must be shown. Partial credit will be given when substantive progress towards the solution is detected. If you feel your paper was graded incorrectly, point it out to the instructor the day your exam is returned to you.

Welcome to the hybrid-plus Math 1050 College Algebra course. This is an exciting way of learning if you are well-prepared and comfortable working on computers. You will need a dependable, high-speed internet connection in order to watch video lectures and complete homework assignments.

Testing Center Exams are handed out at the Testing Center from 10am to 8pm Monday through Thursday, from 10am to 5pm Friday and from 10am to 2pm on Saturday. No exams are given out after the stated closing times, but students arriving at closing time will have 1 hour to finish their exam. The testing center can be very busy with long lines and extended waiting. You are responsible to plan for delays and leave enough time to finish your exam. [Times change in the summer.]

Incomplete Grade Policy: An "I" grade for an incomplete can be given only to students who have completed all of their course work with passing grades but, due to extenuating circumstances, are unable to complete the assignments required during the last two weeks of the semester. Written proof of extenuating circumstances must be verified with the instructor and the Mathematics Department Chair before the last day of the semester. Extenuating circumstances include incapacitating illness, a death in the immediate family, extended hospitalization and other equivalent emergencies. "I" grades are not given for lack of completion of work due to procrastination or dissatisfaction with grades earned to date.

Student Evaluation of Instruction: At the end of the semester, please complete the online student evaluation sent to your UVLink email account. The instructor does not receive any results until after grades are submitted. Responses are completely anonymous. Results from the course evaluations are summarized and cannot be associated with specific students.

Helpful Hints
1. You will be able to participate more effectively in the classroom discussions if you read the text in advance, and review your notes from the previous class meeting.
2. It is often helpful to do more problems than those assigned.
3. Another good way to learn mathematics is to "teach" it. Try explaining a concept to another student, or show someone in your study group how to solve a particular problem. If you can do so, you most likely have a good solid understanding of the material.
4. Try not to fall behind. If you start to have difficulty, get help by seeing the instructor in his/her office, by studying with other students, or by meeting with a tutor at the Math Lab in LA 201.
5. Before working problems in an assignment, study the text and your notes as if you were taking an exam. Then work through the problems without the aid of your text and notes. You may struggle and it may take more time, but what you figure out on your own will stick with you much better than if you just look it up in your notes

or book. Remember, you won't have your notes or text available during an exam, so this is excellent practice. Of course, use your notes and the text when necessary.

Learning Strategist: The Learning Strategist offers learning assistance to students who are having problems with test taking, concentration, attendance, and all types of study skills. You may contact Pat Nelson, the Learning Strategist, in LC 404h or at 863-7418.

DO NOT WAIT UNTIL RIGHT BEFORE THE DEADLINE to start doing the homework, studying for the exam, etc. You can and should work ahead of deadlines as much as possible. If you procrastinate, you are virtually guaranteeing that you will retake the class. I only say this because I've seen it many times, and would much prefer that you succeed.

FAQ's
1. How do students succeed in this course? Attending class each day, staying current on homework, and getting help early.
2. How much time should I devote to this course? A minimum of 1-2 hours each day of the week, whether class meets or not, including Saturday. This is a minimum of 6 hours per week.
3. Isn't this a lot like my high school course? Most students at one time in their life have visited and worked through some of these topics … the difference is the depth of understanding. As students are first introduced to these topics typically this occurs in a procedural fashion. College Algebra is designed to deepen that understanding, fine tune notational skills, and move students from procedure to conceptual understanding.
4. Do I have to like or have fun with mathematics to be good at mathematics? No … most students don't like or have fun with mathematics, and that's not really the goal. The goal is to get students to like success with mathematics, not necessarily like the mathematics itself. There is a difference and once you begin to see that difference, then understanding can take place. There is a mathematics professor who said she didn't like mathematics but she really likes the fact that she can do mathematics and has success with it.
5. What if I consistently struggle every day? It is okay to struggle, to feel frustrated, and to spend time considering various ways to solve something … the goal again is foundational understanding, NOT procedural fluency.

Note: All items in this syllabus are subject to change or modification to correct errors or to accommodate extenuating circumstances.