

Course Outline
Math 0352 - 001
Spring, 2010

INSTRUCTOR: Matthew Hudock **OFFICE:** NTB 304
OFFICE HOURS: Monday, Wednesday, & Friday 7 am - 8 am
Monday, Wednesday, & Friday 9 am - 10 am
Friday Noon - 2 pm
Saturday 7 am - 8 am
Saturday 1 pm - 2 pm

PHONE NUMBER: (210) 486-2884

FAX NUMBER: (210) 486-2675 **E-MAIL:** mhudock@alamo.edu

WEBSITE: <http://www.countingbear.com>

CLASSROOM/TIME: Saturdays 8:00 am – 1:00 pm, NTB 314

LECTURE NOTES: You will need to get the Math 0352 Lecture Notes, Spring, 2010 notebook for this course. You can print it out from my website.

PERFORMANCE MEASURES: During the semester, you will need to take the Elementary Algebra Accuplacer up to three times this semester. In order to pass this class, you must score 76 or higher on the Elementary Algebra Accuplacer.

A: 76 or above on the Elementary Algebra Accuplacer
IP or F: Below 76 on the Elementary Algebra Accuplacer

In the event that you do not pass the class, you can receive an IP (In Progress) grade. The IP grade does not count against you in your GPA. You would still need to retake the course. In order to get an IP instead of an F in this class, you will need to satisfy both of these conditions:

- 1) You must master at least 240 concepts in ALEKS and
- 2) You must spend at least 45 hours working in ALEKS.

TEST POLICY: You must take the Elementary Algebra Accuplacer at the beginning, middle, & end of the semester.

CELL PHONES AND OTHER ELECTRONIC DEVICES: With an exception of a calculator, all other electronic devices including cell phones must be turned off and put away during class.

STUDENT RESPONSIBILITIES:

ATTENDANCE/TARDY POLICY: It is extremely difficult to learn if you miss the explanation of how the work is done. Attendance is required for the class and the lab and will be recorded during each time. In class, a sheet will be passed around at the beginning and **IT IS YOUR RESPONSIBILITY** to sign by your name. Failure to do this will result in you being recorded as being absent. You are expected to attend every class. If you accumulate absences equivalent to two weeks of class (one week during the summer), you may be dropped from this course for excessive absences unless

extreme circumstances warrant otherwise **and** are brought to my attention in a timely manner. You are considered absent if 1) you do not attend class, or 2) you are more than 15 minutes late to class, or 3) you leave more than 15 minutes early.

TIME COMMITMENT: In order to be successful in this course, you need to spend time every day on the material. The rule for this type of course is to spend 2 hours outside of class for every hour in class. Since we meet for 5 hours a week, that translates into 10 hours you need to spend on the course outside of class per week. So, you will need to spend a minimum of 1 1/2 hours a day on this course outside of class.

GETTING HELP: Seek help immediately if you do not understand something or cannot do the homework assignment. If you wait, you will not understand anything we are doing in class and you will get even more behind. It is absolutely critical that you keep up with the course since the material builds on itself. Do not be afraid to ask questions in class. The worst I will do to you is to ask you to see me after class. Also, remember you have several resources for getting help: the instructor, the tutors in the Math Lab in NTB 307, the tutors in NTB 116, and your classmates. Many students find a study group to be helpful as well. There is also a Math computer lab in NTB 307.

ALEKS LAB ACTIVITY: "ALEKS is a web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics she is most ready to learn." We will access ALEKS at www.aleks.com. All your homework assignments are in ALEKS. The homework will consist of assignments based upon the lecture material. Be aware that you will need to spend additional time outside of lab time to complete your assignments. You are expected to work productively for at least three hours a week in ALEKS. You can access ALEKS using a computer with an internet connection outside of school, but you must first install the ALEKS Plug-in. If you are using a computer where installing the ALEKS plug-in is prohibited, you can try using the "streaming" plug-in by going to: www.aleks.com/plugin.

EMAIL: When I write to you, I will use your PALS address, so you will need to check your PALS mail frequently. Through the PALS website you have access to academic resources, email, and other online services. The following link will provide you access to PALS: <http://spcportal.alamo.edu/cp/home/loginf>. You can get help with logging into PALS by calling the ACCD Help desk 485-0555 or visiting their website at <http://www.alamo.edu/it/pals/troubleshoot.html>.

MISSING CLASS: If you should miss class, it is **your** responsibility to get a copy of any notes and handouts given in class. A copy of the notes and handouts will be posted on my website. You are responsible for all material covered in class.

WITHDRAWING FROM THIS CLASS: If you decide to stop attending, it is **your** responsibility to withdraw from the course by the day posted in the Class Schedule. Otherwise, you will receive an "F" for the course.

Calendar

Week	Class Activity	Assignments
Week #1 Jan 16	Orientation Sect 1.3 - Addition of Real Numbers Sect 1.4 - Subtraction of Real Numbers Sect 1.5 - Multiplication and Division of Real Numbers Accuplacer Pre-Test (Last Day to take this test is Jan 29)	ALEKS Assessment
Week #2 Jan 23	Sect 1.6 - Properties of Real Numbers & Simplifying Expressions Sect 2.1 - Addition, Subtraction, Multiplication, and Division Properties of Equality Sect 2.2 - Solving Linear Equations	Work in ALEKS
Week #3 Jan 30	Sect 2.3 - Linear Equations: Clearing Fractions and Decimals Sect 2.4 - Introduction to Problem Solving Sect 2.5 - Applications Involving Percents Sect 2.6 - Formulas and Applications from Geometry	Work in ALEKS
Week #4 Feb 06	Sect 2.6 - Formulas and Applications from Geometry Sect 2.7 - Linear Inequalities Sect 3.1 - The Rectangular Coordinate System Sect 3.2 - Linear Equations in Two Variables	Work in ALEKS
Week #5 Feb 13	Sect 3.3 - Slope and Rate of Change Sect 3.4 - The Slope-Intercept Formula Sect 3.5 - The Point-Slope Formula	Work in ALEKS
Week #6 Feb 20	Sect 3.6 - Applications of Linear Equations Sect 4.1 - Solving Systems of Equations by Graphing Sect 4.2 - Solving Systems of Equations by Substitution Sect 4.3 - Solving Systems of Equations by Addition (Elimination)	Work in ALEKS
Week #7 Feb 27	Sect 4.4 - Problem Solving Sect 5.1 - Exponents: Multiplying and Dividing Common Bases Sect 5.2 - More Properties of Exponents	Work in ALEKS
Week #8 Mar 06	Sect 5.3 - Definitions of Zero and Negative Exponents Sect 5.4 - Scientific Notation Sect 5.5 - Addition and Subtraction of Polynomials Accuplacer Midterm Test (Last Day to take this test is Mar 16)	Work in ALEKS
Week #9 Mar 13	Sect 5.6 - Multiplication of Polynomials Sect 6.1 - Greatest Common Factor and Factoring by Grouping Parts of Sects 6.3 & 6.4, & Sect 6.5 - Factoring Special Products Accuplacer Midterm Test (Last Day to take this test is Mar 16)	Work in ALEKS
Spring Break Mar 20	Spring Break, No Class	Work in ALEKS

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Week	Class Activity	Assignments
Week #10 Mar 27	Sects 6.2 and 6.3 - Factoring Trinomials by Trial and Error Factoring Flow Chart Sect 6.6 - General Factoring Summary Sect 6.7 - Solving Equations Using the Zero Product Rule	Work in ALEKS
Week #11 Apr 03	College Holiday, No Class	Work in ALEKS
Week #12 Apr 10	Sect 7.7 - Applications of Rational Expressions and Proportions Sect 11.1 - Definition of the nth Root Sect 11.2 - Rational Exponents	Work in ALEKS
Week #13 Apr 17	Sect 11.3 -Simplifying Radical Expressions Sect 11.4 -Addition and Subtraction of Radicals Sect 11.5 -Multiplication of Radicals	Work in ALEKS
Week #14 Apr 24	Sect 11.6 - Rationalization Sect 11.7 - Radical Equations Sect 12.2 - Quadratic Formula	Work in ALEKS
Week #15 May 01	Review Accuplacer Post-Test (Last Day to take this test is May 07)	Work in ALEKS
Week #16 May 08	Accuplacer Post-Test (Last Day to take this test is May 07)	