Course Outline
Math 0301 - 010
Spring, 2009

INSTRUCTOR: Matthew Hudock **OFFICE:** NTB 304

OFFICE HOURS:

Monday, Wednesday, & Friday	6 am - 7 am
Monday, Wednesday, & Friday	8 am - 9 am
Tuesday & Thursday	10:30 am - Noon
Monday & Wednesday	1:15 pm - 2:30 pm

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

WEBSITE: http://www.countingbear.com

CLASSROOM/TIME: Monday & Wednesday Noon - 1:15 pm, NTB 300

APPLIED SCIENCES MAJORS If your major is in the Applied Sciences, you should not take this course. You should take Math 0350 or Math 0351.

LECTURE NOTES: You will need to get the Math 0301 Lecture Notes, Fall, 2008 notebook (green cover) for this course. You can either purchase it from the bookstore or you can print it out from my website.

PERFORMANCE MEASURES: During the semester, there will be four in-class unit tests, thirty-two Mathzone assignments (lab activity grade), four reviews for the tests, and a comprehensive final exam. It is the Math Department policy that in order to pass this class, your overall average must be at least a 70%. Each test, including the final exam is worth 14% of your grade, your review average is worth 10% and your lab activity grade is worth 20%. The following scale will be used in assigning grades:

90% - 100%: A 80% - 89%: B 70% - 79%: C Below 70%: IP or F

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 take each and every in class unit test. This includes making a reasonable attempt on the majority of problems on each test.
2) You must complete the course work and show that you are making progress in learning the material.

TEST POLICY: All tests will be closed books and closed notes. They must be taken in one sitting and no help of any kind is allowed. All electronic devices must be turned off and put away during a test. You are only allowed to use a scientific calculator when taking a test. If you need additional time than the allotted class time to take the test, you must make arrangements with the instructor to do so the class period before the test. The tests must be taken on the day they are schedule. At the end of the semester, there will be an opportunity to make-up/retake one test during class.

CELL PHONES AND OTHER ELECTRONIC DEVICES: All cell phones must be turned off or put into vibrate mode during class. If you get a phone call that you must answer, quietly leave the room and then answer the call. With an exception of a calculator, all other electronic devices 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 3 hours outside of class for every hour in class. Since we meet for 3 hours a week, that translates into 9 hours you need to spend on the course outside of class per week. So, you will need to spend a minimum of 1 hours and 15 minutes 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." When you registered for this course, you also registered for a lab that meets outside of class one hour a week. The lab uses a web-based software called ALEKS that is being provided by McGraw Hill publishers free of charge. All your homework assignments are in ALEKS. The homework will consist of assignments based upon the textbook. Be aware that you will need to spend additional time outside of your lab time to complete your assignments. You can access ALEKS using a computer with an internet connection outside of school. You can also use the computer lab during open lab times. The lab average is worth 20% of the final grade. Instructions for accessing ALEKS will be provided during your first lab meeting.

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.accd.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.accd.edu/it/pals/troubleshoot.html.

REVIEWS FOR THE TEST: The reviews will be assigned throughout the semester. Usually, they are longer and harder versions of the in-class unit tests. The reviews are open book and open notes and are to help prepare you for the test. The reviews are due at the beginning of the test. Your review average will count as one test grade. No papers will be accepted late, but I will drop your lowest score at the end of the term. To receive full credit when turning in an assignment, you need to follow these guidelines (otherwise you will lose points):

1) Use **one side** of regular notebook paper (8" by 10 1/2"). No jagged edges. Your paper should be neat, clean, and easy to read.

2) Put your name (first and last), your course and section number on the top of the first page of your assignment.

3) Label each problem and work it in a logical, neat, and easy to read manner.

4) Complete the entire assignment correctly.

5) When turning in your assignment, put all your sheets in the correct order.

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.

GRADED PAPERS: Any test that is not collected from your instructor within two weeks of when it was returned to the class or by the final exam day will be destroyed.

Calendar

Week	Class Activity	Assignments
Week # 1 Jan 12 - Jan 18	Orientation Sect 1.1 Sets of Numbers and the Real Number Line Sect 1.2 Order of Operations	Read Sect 1.1 & 1.2 Complete and Submit ALEKS Sect 1.1 & 1.2 by Sunday, Jan 25 at 11:45 PM CT
Week # 2 Jan 19 - Jan 25	**College Holiday (no class) on Monday, Jan 19** Sect 1.3 & 1.4 Addition and Subtraction of Real Numbers Sect 1.5 Multiplication and Division of Real Numbers	Read Sect 1.3 - 1.5 Complete and Submit ALEKS Sect 1.3 - 1.5 by Sunday, Jan 25 at 11:45 PM CT
Week # 3 Jan 26 - Feb 01	Sect 1.6 Cpt 1 – 4 Properties of Real Numbers Sect 1.6 Cpt 5: Simplifying Algebraic Expressions Sect 1.6 Cpt 6: Clearing Parentheses and Combine Like Terms Review for Test #1 over Sect 1.1 – 1.6	Read Sect 1.6 Cpt 1 - 6 Complete and Submit **ALEKS Concepts for Ch 1 by** **Sunday, Feb 01 at 11:45 PM CT** **Review #1 due before the test**
Week # 4 Feb 02 - Feb 08	**Test #1 over Sect 1.1 – 1.6 on Monday, Feb 02** Sect 2.1 Cpt 1 & 2 Addition & Subtraction Properties of Equality Sect 2.1 Cpt 3 Multiplication & Division Properties of Equality	Read Sect 2.1 Cpt 1 - 3 Complete and Submit ALEKS Sect 2.1 by Sunday, Feb 08 at 11:45 PM CT
Week # 5 Feb 09 - Feb 15	Sect 2.1 Cpt 4 Translation Sect 2.2 Cpt 1 Solving Linear Equations Involving Multiple Steps Sect 2.2 Cpt 2 Steps to Solve a Linear Equation in One Variable	Read Sect 2.1 Cpt 4 - 2.2 Cpt 2 Complete and Submit ALEKS Sect 2.2 by Sunday, Feb 15 at 11:45 PM CT
Week # 6 Feb 16 - Feb 22	Sect 2.2 Cpt 3 Conditional Equations, Identities & Contradictions Sect 2.3 Linear Equations: Clearing Fractions and Decimals Review for Test #2 over Sect 2.1 – 2.3	Read Sect 2.2 Cpt 3 & 2.3 Complete and Submit ALEKS Sect 2.3 by Sunday, Feb 22 at 11:45 PM CT **Review #2 due before the test**
Week # 7 Feb 23 - Mar 01	**Test #2 over Sect 2.1 – 2.3 on Monday, Feb 23** Sect 2.4 Cpt 1 & 2 Problem Solving Strategies and Translations Sect 2.4 Cpt 3 & 4 Applications of Linear Equations	Read Sect 2.4 Cpt 1 - 4 Complete and Submit ALEKS Sect 2.4 by Sunday, Mar 01 at 11:45 PM CT

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Week # 8 Mar 02 - Mar 08	Sect 2.5 Applications Involving Percents Sect 2.6 Formulas and Applications of Geometry	Read Sect 2.5 & 2.6 Complete and Submit ALEKS Sect 2.5 & 2.6 by Sunday, Mar 08 at 11:45 PM CT
Spring Break Mar 09 - Mar 15	Spring Break, No Class **College is Closed Thursday through Sunday (3/12 - 3/15)**	Catch-up on ALEKS Assignments (sections 1.1 - 2.6) Sunday, Mar 15 at 11:45 PM CT
Week # 9 Mar 16 - Mar 22	Review of Problem Solving Sect 2.7 Linear Inequalities Review for Test #3 over Sect 2.4 - 2.7	Read Sect 2.7 Complete and Submit **ALEKS Concepts for Ch 2 by Sunday, Mar 22 at 11:45 PM CT** **Review #3 due before the test**
Week # 10 Mar 23 - Mar 29	**Test #3 over Sect 2.4 - 2.7 on Monday, Mar 23** Movie - Silent Spring Sect 5.1 Exponents: Multiplying and Dividing Common Bases	Read Sect 5.1 Complete and Submit ALEKS Sect 5.1 by Sunday, Mar 29 at 11:45 PM CT
Week # 11 Mar 30 - Apr 05	Sect 5.2 More Properties of Exponents Sect 5.3 Definitions of Zero and Negative Exponents Sect 5.4 Scientific Notation	Read Sect 5.2 - 5.4 Complete and Submit ALEKS Sect 5.2 - 5.4 by Sunday, Apr 05 at 11:45 PM CT
Week # 12 Apr 06 - Apr 12	Sect 5.5 Addition and Subtraction of Polynomials Sect 5.6 Multiplication of Polynomials **College Holiday (no class) on Friday, Apr 10**	Read Sect 5.5 - 5.6 Complete and Submit ALEKS Sect 5.5 by Sunday, Apr 12 at 11:45 PM CT
Week # 13 Apr 13 - Apr 19	Sect 5.6 Multiplication of Polynomials Sect 5.7 Dividing Polynomials by Polynomials	Read Sect 5.7 Complete and Submit **ALEKS Concepts for Ch 5 by Sunday, Apr 19 at 11:45 PM CT**
Week # 14 Apr 20 - Apr 26	Review for Test #4 over Sect 5.1 – 5.7 **Test #4 over Sect 5.1 - 5.7 on Wednesday, Apr 22** **College Holiday (no class) on Friday, Apr 24**	**Review #4 due before the test** Catch-up on ALEKS assignments (sections 2.7 - 5.7)

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Week # 15 Apr 27 - May 03	Review for the Final; Sign up for Test Amnesty Day **Test Amnesty Day is Wednesday, Apr 29** Review for the Final	Course Review Catch-up on ALEKS Assignments (sections 2.7 - 5.7) Sunday, May 03 at 11:45 PM CT
Week # 16 May 04 - May 10	Final Exam is on Mon., May 04 from Noon - 1:50 pm in NTB 300	