

**Course Outline**  
**Math 1333 - 001**  
**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

**PHONE NUMBER:** (210) 486-2884

**FAX NUMBER:** (210) 486-2675

**E-MAIL:** mhudock@mail.accd.edu

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

**CLASSROOM/TIME:** Monday, Wednesday, & Friday 10 - 10:50 am, NTB 300

**LECTURE NOTES:** You will need to get the Math 1333 Lecture Notes, Spring, 2009 notebook (orange 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 three tests, and a comprehensive final exam. It is the Math Department policy that in order to pass this course, you must have overall average of 60%. Your final average will be calculated by:

Three Tests .....	25% each
Final .....	25%

The following scale will be used in assigning grades:

90% - 100%: A	80% - 89%: B	70% - 79%: C
60% - 69%: D	Below 60%: F	

**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 except for a scientific calculator must be turned off and put away during 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 test must be taken on the day they are scheduled. There are no make-up tests unless extreme circumstances warrant otherwise and are brought to my attention prior to the test. In cases of emergencies, I expect you to call me or the Math Department ((210) 486-2270) and leave a message. No tests scores will be dropped and no curves.

**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 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.

**HOMEWORK:** Homework will be assigned every class period and it is **your** responsibility to do the homework. You are expected to do all the assigned problems. Questions will be taken on those problems the next class period. You cannot learn a skill by watching other people all the time. You must practice yourself! Do three times as much practice as you do watching. To do well in this course, you must practice every day. Also, **participating** in study groups is a great way to learn from your peers. **SIMPLY PUT, IF YOU DO NOT DO YOUR HOMEWORK YOU WILL FAIL!**

**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>.

**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.

**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.

<b>Week</b>	<b>Class Activity</b>	<b>Assignments</b>
Week #1 Jan 12 - Jan 18	Orientation Using a Calculator I: Whole Numbers Using a Calculator II: Fractions Using a Calculator III: Decimals Sect 4.1 - Ratios and Proportions	Read Sect 4.1 Pg. 53 Part B (1-35 odd); Part D (1-25 odd) Pg. 101 Part B (1-23 odd); Part C (1-23 odd); Part D (1 - 27 odd) Pg. 151 Part B (1 - 19 odd); Part C (1-35 odd); Part D (1 - 17 odd); Part E (1 - 35 odd) Pg. 174 Part A (1, 3); Part B(3-18 every 3rd); Part C (3 - 21 every 3rd)
Week #2 Jan 19 - Jan 25	<b>College Holiday (no class) on 1/19</b> Sect 4.2 - Special Applications of Ratio and Proportions Sect 4.3 - Introduction to Percents	Read Sect 4.2 & 4.3 Pg. 187 Part A (1, 3); Part B (3 - 30 every 3rd) Pg. 198 Part A (5 - 40 every 5th); Part B (5 - 30 every 5th); Part C (5 - 20 every 5th)
Week #3 Jan 26 - Feb 01	Sect 4.4 - Percent Problems Sect 4.5 - Special Applications of Percent Calculations Sect 5.1 - Working with Measurement Numbers	Read Sect 4.4 – 5.1 Pg. 207 Part A (3- 24 every 3rd); Part B (3-18 every 3rd); Part C (3 - 21 every 3rd) Pg. 227 ( 3 - 24 every 3 <sup>rd</sup> ) Pg. 256 Part A (1 - 10); Part B (1 - 9 odd); Part C (1-11 odd); Part D (1, 3); Part E (1-9 odd)
Week #4 Feb 02 - Feb 08	Sect 5.2 - English Units and Unit Conversions Sect 5.3 - Metric Units Sect 5.4 - Direct Measurements	Read Sect 5.2 – 5.4 Pg. 271 Part A (1 - 10); Part B (1 - 9 odd); Part C (1-11 odd); Part D (1, 3); Part E (1-9 odd) Pg. 290 Part C (3 - 18 every 3rd); Part D (3 - 24 every 3rd); Part E ( 1, 3, 7, 13) Pg. 313 Part A (1, 3); Part B (1 - 17 odd); Part C (1 - 9 odd); Part D (1 - 7 odd)
Week #5 Feb 09 - Feb 15	Review <b>Test #1 over Ch 4 &amp; 5 on Wed, Feb. 11</b> Sect 7.1 - Algebraic Language and Formulas	Read Sect 7.1 Study for test #1 over Ch 4 & 5 Pg. 373 Part A ( 3, 7); Part C (3 - 12 every 3 <sup>rd</sup> )
Week #6 Feb 16 - Feb 22	Sect 7.1 - Algebraic Language and Formulas Sect 7.2 - Adding and Subtracting Algebraic Expressions Sect 7.3 - Solving Simple Equations Sect 7.4 - Solving Two-Step Equations	Read Sect 7.2 – 7.4 Pg. 373 Part D ( 1 - 9 odd); Part E ( 5 - 25 every 5th) Pg. 384 Part A ( 3 - 18 every 3rd); Part B ( 3 - 36 every 3rd) Pg. 395 Part A (1 - 25 odd); Part B ( 1 - 9 odd) Pg. 403 Part A ( 3 - 27 every 3rd); Part B (1 - 9 odd)

<b>Week</b>	<b>Class Activity</b>	<b>Assignments</b>
Week #7 Feb 23 - Mar 01	Sect 7.5 - Solving More Equations and Formulas Sect 7.6 - Solving Word Problems Sect 7.7 - Multiplying & Dividing Algebraic Expressions	Read 7.5 - 7.7 Pg. 416 Part A ( 3 -27 every 3rd); Part B ( 1 - 9 odd); Part C ( 3 - 18 every 3rd) Pg. 430 Part A ( 1 - 9 odd); Part B ( 1 - 17 odd) Pg. 438 Part A( 3 - 30 every 3rd); Part B ( 5 - 20 every 5th)
Week #8 Mar 02 - Mar 08	Sect 7.8 - Scientific Notation Review <b>Test #2 over Ch 7 on Fri, Mar. 6</b>	Read Sect 7.8 Pg. 444 Part A ( 3 - 24 every 3rd); Part B ( 5, 10, 15); Part C ( 5, 10, 15, 20); Part D ( 1 - 4) Study for Test #2 over Ch 7
Spring Break Mar 09 - Mar 15	No Classes	
Week #9 Mar 16 - Mar 22	Sect 8.3 - Triangles, Regular Hexagons and Irregular Polygons Sect 8.4 - Circles	Read Sect 8.3 & 8.4 Pg. 507 Part A ( 5, 10, 15, 20); Part B ( 5, 10, 15, 20); Part C ( 1 - 9 odd) Pg. 520 Part A ( 1 - 7 odd); Part B ( 1 - 9 odd); Part C ( 5 - 25 every 5th)
Week #10 Mar 23 - Mar 29	Sect 9.1 - Prisms Movie - Silent Spring Sect 9.2 - Pyramids & Frustum of Pyramids	Read Sect 9.1 & 9.2 Pg. 543 Part A ( 1,2,5); Part B( 1,2,5); Part C ( 1, 2, 3, 6); Part D ( 3 - 24 every 3rd) Pg. 553 Part A ( 1 - 7 odd); Part B ( 1 - 7 odd); Part C ( 1, 3, 5)
Week #11 Mar 30 - Apr 05	Sect 9.3 - Cylinders and Spheres Sect 9.4 - Cones and Frustums of Cones	Read Sect 9.3 & 9.4 Pg. 561 Part A ( 2, 3); Part B ( 1,2,3, 4); Part C ( 3 - 18 every 3rd) Pg. 569 Part A ( 1, 3); Part B ( 1, 3); Part C ( 1 - 4); Part D ( 1 - 9 odd)
Week #12 Apr 06 - Apr 12	Review <b>Test # 3 over Ch 8 &amp; 9 on Wed, Apr. 8</b> <b>College Holiday (no class) on 4/10</b>	Study for Test #3 over Ch 8 & 9
Week #13 Apr 13 - Apr 19	Sect 10.1- Angles Sect 10.1 - Triangles Sect 10.2 - Trigonometric Ratios	Read Sect 10.1 & 10.2 Pg. 596 Part B ( 3 - 27 every 3rd) Part C ( 3 - 18 every 3rd) Pg. 608 Part A ( 1, 3, 5); Part B ( 1, 5, 9, 13, 17); Part C ( 1 - 11 odd)

Week	Class Activity	Assignments
Week #14 Apr 20 - Apr 26	Sect 10.3 - Solving Right Triangles Sect 12.1 - Reading and Constructing Graphs <b>College Holiday (no class) on 4/24</b>	Read Sect 10.3 & 12.1 Pg. 614 Part A ( 3 - 15 every 5th); Part B ( 3 - 18 every 3rd) <b>Page 710 Part A (1 - 9 odd) Part B (1, 7, 13)</b>
Week #15 Apr 27 - May 03	Sect 12.2 - Measures of Central Tendency Sect 12.3 - Measures of Dispersion Course Review	Read Sect 12.2 & 12.3 Pg. 723 Part A(1 - 7 odd); Part B (1); Part C (1, 3, 5, 7, 11) Pg. 737 Part A ( 1 - 7 odd); Part C (1, 3, 5) Study for the Final

**Final Exam is on Monday, May 4 from 10 AM - 11:50 AM in NTB 300**

**Mr. Hudock**

**Math 1333 - 001**

**Spring, 2009**