MATH 0306
Student Course Document – Revised Spring 2012

1. Course Title: Prealgebra Mathematics
2. Prerequisite: None
3. Credit: Three (3) semester hours
4. Materials Needed:

   4.1 Textbook: Prealgebra Textbook, by College of the Redwoods
      To download this textbook for free go to the math department website at
      http://nhmath.lonestar.edu*. Click on “Course Resources” and then click on “Math 0306: Pre
      Algebra”. The Real Number Supplement and the Geometry Supplement can also be
      downloaded at this same web page. *This website information will soon be moving to
      http://lonestar.edu/blogs/lsc-northharris.

   4.2 Calculator: Your instructor will provide information on their specific calculator policy
      Note that calculators are not allowed on the departmental final exam.

   4.3 Flash Drive 0306 students have a required computer lab component to this course.
      Students will download the software for these labs onto a flash drive and run the software at
      home or on campus directly from this flash drive.

5. Purpose:

   The purpose of Math 0306 is to provide a review of arithmetic and fundamentals necessary
   for the study of algebra. The course is also designed to be a transition from arithmetic to algebra.

6. Major Course Objectives:

   6.1 Demonstrate basic skills in computations, estimations, order of operations, and applications
       involving whole numbers and decimals. (10%)
   6.2 Demonstrate basic skills in computations, estimations, order of operations, and applications
       involving fractions. (15%)
   6.3 Demonstrate basic skills in computations, estimations, order of operations, and applications
       involving rational numbers. (15%)
   6.4 Perform operations using the Commutative, Associative, Distributive, and Identity Properties of
       Addition and Multiplication. (5%)
   6.5 Solve linear equations in one unknown. (15%)
   6.6 Solve ratio and proportion and percent problems including applications. (10%)
   6.7 Recognize simple geometric figures, angle relationships, and triangle relationships using their
       defining properties. (10%)
   6.8 Calculate quantities related to basic geometric figures using both U.S. and metric systems.
       (15%)

7. General Course Outline:

   Textbook chapters 1, 2, 3, 4, 5, 6, 7, Real Number Supplement, Geometry Supplement
8. **Evaluation:**

All Math 0306 students at Lone Star College-North Harris will take a common final exam. This exam will include all major outcomes for the course. These outcomes are listed below along with the number of points the questions on each outcome will count on the final exam, as well as a short description of each outcome. All students will have access to a complete review for this final exam through the department website.

The score a student makes on the final exam will count 20% of their final average in the course. In addition, students MUST have a score of 50% or higher on this final exam to be eligible to receive a final grade of A, B, or C. Students who score less than a 50% on this final exam will automatically receive a grade of IP or F** and will have to repeat the course.

**A grade of IP should only be given to students who continue to participate in class. Participation should be spelled out clearly in the course syllabus and tied to attendance, performance on homework, and participation in class.**

**Information on Math 0306 Departmental Final Exam**

1. **Whole Numbers (10 points)**
   Add, subtract, multiply and divide whole numbers including problems involving order of operations.

2. **Integers (15 points)**
   Add, subtract, multiply and divide integers including problems involving order of operations.

3. **Fractions (15 points)**
   Add, subtract, multiply and divide fractions including problems involving order of operations. Some problems involve locating a point on a number line.

4. **Decimals (5 points)**
   Add, subtract, multiply and divide decimal numbers including problems involving order of operations.

5. **Combine Like Terms (5 points)**
   Combine like terms including problems involving grouping symbols.

6. **Solve Equations (15 points)**
   Solve equations in one variable. Some equations contain fractions (equations in the form: \((a/b)x=(c/d)\)).

7. **Ratio, Proportion and Percent (10 points)**
   There are problems involving ratios, unit rates, solving proportions and applications involving percent.

8. **Geometric Figures (10 points)**
   There are problems identifying the type of angle, the size of an angle from a geometric figure and problems involving similar triangles.

9. **Computer Lab Requirement:**

All Math 0306 and Math 0308 students have a computer lab requirement for the course. These computer assignments can be completed in one of the labs on campus or at home. In general, students can expect to spend one to two hours per week on these assignments. The instructor will explain how to download the software to a flash drive, which labs to complete, due dates on labs, and how to complete the labs at home. Instructors will be assigned one class period a week to take their students to a computer lab. The instructor decides how much of the assigned time to actually take the class to the computer lab. Instructors may sign-up for any additional lab time in the Math Department office.
10. **Testing Out of Math 0306:**

Math 0306 students who believe they can be successful in Math 0308 can take the Math 0306 Challenge Exam in the Assessment Center. Any student who scores above an 80 on the test may change to a Math 0308 section if they choose. This must be done before the Math 0308 class has met a 2nd time. So students must take the Challenge Exam with enough time to be able to get into an 0308 section. Interested students should go to the Math Department Office for a referral form to take this Challenge Exam.

11. **MyLoneStar:**

MyLoneStar gives students, faculty, and staff access to important academic information. It allows a student to register, search for courses, obtain financial aid information, pay tuition and fees, and view course grades. From [www.lonestar.edu](http://www.lonestar.edu), click on MyLoneStar at the top right corner. Follow the instructions for securing your user name and password under the Self-Service Tools. Please contact the helpdesk at 1-866-614-5014 or send an email to [ots@lonestar.edu](mailto:ots@lonestar.edu) for further assistance.

12. **Withdrawal Policy/Student Drop Limit:**

Students who enrolled in Texas public institutions of higher education as first-time college students during the Fall 2007 term or later are subject to section 51.907 of the Texas Education Code, which states that an institution of higher education may not permit a student to drop (withdraw with a grade of “W”) from more than six courses. This six-course limit includes courses that a transfer student has previously dropped at other Texas public institutions of higher education if they fall under the law.

Students should be sure they fully understand this drop limit before they drop a course. Please visit the admissions office or counseling/advising center for additional information and assistance.

13. **Division Counselor:**

Rhonda Cannon, Counselor for Math and Natural Sciences, is available in Winship 115G to assist you in meeting your academic, career, and personal goals. Confidential counseling services are available by appointment to help you overcome academic challenges, make a career choice, plan your transfer, and to gain self-understanding. To schedule an appointment call 281-618-5480 or email rhonda.cannon@lonestar.edu or stop by Winship 115G.
14. **Academic Integrity:**

The Lone Star College System upholds the core values of learning: honesty, respect, fairness, and accountability. The system promotes the importance of personal and academic honesty. The system embraces the belief that all learners-students, faculty, staff and administrators-will act with integrity and honesty and must produce their own work and give appropriate credit to the work of others. Fabrication of sources, cheating, or unauthorized collaboration is not permitted on any work submitted within the system.

The consequences for academic dishonesty are determined by the professor and academic dean, or the professor and chief student services officer and can include but are not limited to:

1. Having additional class requirements imposed,
2. Receiving a grade of zero or “F” for an exam or assignment,
3. Receiving a grade of “F” for the course,
4. Being withdrawn from the course or program,
5. Being expelled from the college system.

* It is the responsibility of the student to drop a class by “W” day if he/she desires.

* Students with disabilities, who wish to request accommodations in this class, must notify the Disability Services Office as soon as possible so that the appropriate arrangements may be made. Students requesting accommodations must provide documentation of his/her disability to a Disability Services counselor. For more information, call or visit the Disability Services Office at SB 110, (281) 618-5481.