ATTENDANCE:

Since this is a "flipped" class, attendance is very important. You may be dropped after 4 absences.

ELECTRONIC DEVICES:

Any electronic device that makes noise during a test will result in the loss of 5 points on that test. Laptops, Smartphones, tablets and headphones are encouraged during class (NOT exams!)

CALCULATORS:

You must have a scientific calculator. You must use a department calculator during exams.

HOMEWORK/QUIZZES:

The homework will consist of watching videos and taking notes. There are quizzes embedded into each video. These quizzes will be due one hour before class. The quizzes will be averaged and will count as 10% of your final grade. I will drop 2 lowest quiz grades.

CLASSWORK:

Classwork will be collected almost daily. The classwork will be averaged and will count as 10% of your final grade.

TESTS:

During the semester there will be four (4) major in-class tests and a COMPREHENSIVE final exam will be given. These 5 tests will be combined for a total of 80% of your final grade. If you are absent for a major test, there will NOT be any MAKE-UP TESTS. (You may take tests earlier than scheduled) Your comprehensive final exam grade may replace this grade or your lowest test grade. ONLY ONE test may be replaced by the final exam.

GRADING POLICY:

LETTER GRADES:  
90 - 100 = A  
80 - 89 = B  
70 - 79 = C  
60 - 69 = D  
Below 60 = F
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.

ADA Statement

The American Disabilities Act (ADA) is a federal anti-discrimination statute that provides civil rights protection for persons with disabilities. If you have a disability that requires accommodation(s) to participate in this course, please contact the LSC-North Harris Learning Accommodations Center Office as soon as possible (Winship 120, 281-765-7940). The office will provide you with documentation I need to provide your accommodation(s). Failure to handle this in a timely manner may delay your accommodations.

Explanation of the six drop rule:

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, including courses that a transfer student has previously dropped at other Texas public institutions of higher education that have already been counted against their six drop limit. Each student should fully understand this drop limit before you drop any course. Please see a Counselor or Advisor in our Student Services area for additional information and assistance.

Emergency Notification Info

LSCS is committed to maintaining the safety of the students, faculty, staff, and guests while visiting any of our campuses. See http://www.lonestar.edu/oem for details. Register at http://www.lonestar.edu/12803.htm to receive emergency notifications. In an emergency, contact LSCS Police at 281-290-5911 or x5911.

AfterMath Club

The math club at LSC-North Harris is named "AfterMath". The club is an active organization on campus. Speakers, competitions, career and transfer information and special events are all sponsored by AfterMath. You are encouraged to be a member. Meetings are held in Winship 104, every other Tuesday: 9/1, 9/15, 9/29, 10/13, 10/27, 11/10
MATH 2412
Student Course Document

1. **Course Title:** Precalculus

2. **Prerequisite:** Four years of high school mathematics, including trigonometry or College Algebra (Math 1314) **and** Trigonometry (Math 1316) Engl 0305 or 0316 (developmental reading) or placement by testing

**Corequisite:** Engl 0307 or 0326 (developmental writing) or placement by testing

3. **Credit:** Four (4) semester hours

4. **Materials Needed:**
   4.1 Textbook: **Turnell Workbook**
   4.2 Calculator: Scientific model or graphics model

5. **Purpose:**
You should develop skills and reasoning abilities that will contribute significantly to your success in problem solving.
You should develop the ability to formulate problems mathematically and use mathematical methods in deriving new conclusions. By applying mathematics to problems, you should increase your awareness of and appreciation for the usefulness of mathematics.

6. **Major Course Objectives:**
Upon the successful completion of this course, you should be able to:

6.1 Add, subtract, multiply, divide and compose two given functions
6.2 Use translation to sketch graphs
6.3 Apply quadratic functions in solving real world problems
6.4 Set up functions to describe maximum and minimum problems
6.5 Graph polynomial, rational, exponential and logarithmic functions
6.6 Apply the properties of exponential and logarithmic functions in solving real world problems
6.7 Solve trigonometric equations
6.8 Review the graphs of trigonometric functions
6.9 Write the partial fraction decomposition for a rational expression
6.10 Apply the Binomial Theorem and prove statements using mathematical induction
6.11 Graph conic sections by translating and rotating the axes
6.12 Graph polar equations
6.13 Find the nth term and sum of an arithmetic, geometric, and infinite geometric sequence
6.14 Perform basic operations using vector algebra
7. **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, 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 for further assistance.

8. **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.

9. **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.

10. **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.

* 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.