Course Description and Objectives.
The course covers the study of functions and their graphs (polynomial, rational, logarithmic, trigonometric, and inverse trigonometric functions), trigonometric identities, applications of trigonometric functions, right triangles and oblique triangles, conic sections, sequences, series and the binomial theorem.
The main objective of the course is to prepare students for Calculus.

Textbook.
Algebra and Trigonometry by R. Blitzer; Publisher: Pearson.
This text is packaged with MyLabsPlus access code and the ISBN for the value pack (text+code) is 9781323656495.
MyLabsPlus program contains an electronic version of the textbook and the ISBN for the access code alone is 9781323739778.

Grading Policy and Expectations.
1. The grade for the course will be based on the following work:
   - 4 Tests.........................48%
   - Online Homework.....10%
   - Online Quizzes.............5%
   - Lab Participation........6%
   - Offline homework......6%
   - Final Exam..................25% (Comprehensive Exam)
2. The score on the final exam will replace the lowest test score, if it is to your advantage.
3. There will be no makeups for tests. If you miss a test due to a verifiable legitimate excuse, your final will count in place of the missed test. However, the final will NOT replace a 0 that you get for missing a test.
4. Online homework must be completed by 11:59 PM on the assigned due date. No extensions.
• Each week, between Monday and Friday, you are required to spend at least 1 hour in the lab, GL 263. You need to complete your lab hour requirement by each Friday at 8 PM. The total time you spend in the lab will be recorded and if it is smaller than 1 hour = 60 minutes, you will get 0 for that period.
• To take a quiz you must complete associated multiple homework assignments with a score of 70% or more. If not able to take the associated quiz you will receive a 0% on that quiz.
• The lowest scores on quizzes and homework assignments will be dropped at the end of the semester.
• Grading scale for the course: above 93 A; 89-92 A-; 86-88 B+; 82-85 B; 79-81 B-; 75-78 C+; 70-74 C; 60-69 D; below 59 F.
• All students are expected to comply with the University Standards of Conduct for academic honesty and respect for self and others. Please see http://integrity.fiu.edu

**Campus Resources:** Visit the University Learning Center (GL 120 in MMC/AC1 160 in BBC) or the AAA Tutorial Program for free tutoring (GC 267 in MMC/ WUC 253 in BBC). Look at sample tests and reviews in the Math Department website: http://mathstat.fiu.edu/useful-information/math-resources/pre-calculus-algebra/

**Important Dates.**
Thursday, January 31 ..........Test 1  
Thursday, February 21 ...... Test 2  
Monday, March 18 ............Last day to drop with DR grade.  
Thursday, March 21............. Test 3  
Thursday, April 11 ............Test 4  
TBA..................................... Final Comprehensive Exam
The specific chapters and sections to be covered are:
Ch. 2 Functions and Graphs. Sections 2, 5-7.
Ch. 3 Polynomials & Rational Functions. Sections 3-6.
Ch. 4 Exponential & Logarithmic Functions. Sections 1-4.
Ch. 5 Trigonometric Functions. Sections 1-5, 7, 8.
Ch. 6 Analytic Trigonometry. Sections 1-3, 5.
Ch. 7 Additional Topics in Trigonometry. Sections 1-3.
Ch. 10 Conic Sections. Sections 1-3.
Ch. 11 Sequences & the Binomial Theorem. Sections 1-3, 5.