Course Description and Objectives.
The course covers the study of functions (polynomial, rational, logarithmic, trigonometric, and inverse trigonometric functions); trigonometric identities and applications of trigonometric functions; conic sections; sequences and the Binomial Theorem.
The main objective of the course is for students to obtain a solid foundation for the study of 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.
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.
Grading Policy and Expectations.

The grade for the course will be based on the following work:

- 4 Tests...............60% (lowest test score 12% and the other tests 16% each)
- MyLabsPlus......15% (online homework; departmental requirement)
- Final Exam........25% (Comprehensive Exam)

Grading scale for the course:
93-100 A; 90-92 A-; 87-89 B+; 83-86 B; 80-82 B-; 77-79 C+; 68-76 C; 50-67 D; below 50 F.

- There will be no makeup for tests or quizzes. A verifiable excuse for missing a test or quiz will be handled at the instructor’s discretion.
- There will be no extensions for the online homework. Please don’t wait till the last minute to start the assignments.
- Regular attendance is expected and encouraged. Up to 3 bonus points will be added to a test score for perfect attendance and punctuality during the days covering the material being tested. If you wish to take advantage of the bonus points, you must be in your assigned seat at the beginning of class and remain attentive and participating till the end of class.
- 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](http://integrity.fiu.edu)

Important Dates.
Thursday, September 13........Test 1
Thursday, October 4..............Test 2
Thursday, October 25...........Test 3,
Monday, October 29..............Last day to drop with DR grade.
Thursday, November 15...........Test 4
TBA............................................. Final Comprehensive Exam