



COURSE DESCRIPTION – GRADES 9-12

Mr. E. Brock Bell
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Subject Area: Mathematics
Course Number: 1200700
Course Title: Mathematics for College Readiness
Credit: 1.0

Will meet graduation requirements for Mathematics

Basic assumptions regarding mathematics education:

- ◆ all students will have access to calculators and computers;
- ◆ classroom activities will include student centered instructional strategies;
- ◆ all courses will have increased emphasis on estimation and number sense;
- ◆ articulation with the community college is critical for development of college readiness;
- ◆ benchmarks for Language Arts that include correct use of punctuation, capitalization, grammar and sentence structure are incorporated in this course to ensure success on college level placement tests;
- ◆ evaluation will include alternative methods of assessment; and
- ◆ all strands addressed in Next Generation Sunshine State Standards in Mathematics are developed across the PreK-12 curriculum.

A. Major Concepts/Content

The purpose of this course is to strengthen the skill level of high school seniors who have completed Algebra I, II, and Geometry and who wish to pursue credit generating mathematics courses at the college level.

The content should include, but not be limited to, the following:

- Basic Algebra Chapter 1
- Functions and Relations Chapters 2, 4
- Polynomials Chapter 5
- Rational Expressions and Equations Chapter 6
- Radical Expressions and Equations Chapter 7
- Quadratic Equations Chapter 8
- Vocabulary
- Strategies for College Readiness

Grading Policy

Tests/Projects	35%	(Test corrections allowed)
Quizzes	25%	(Lowest quiz grade normally dropped)
Classwork/Participation	20%	(Starting assignment when told, Participating in class discussions)
Homework	20%	(Daily assignments and bring book to class)

Tests

All students will be allowed to use an class notes and a basic calculator on tests. Tests will include questions from previous chapters to serve as a spiraling review. Students will be given the opportunity to make test corrections for additional credit (½ credit) by following a Test Correction Form.

Homework

Homework will be assigned on a regular (daily) basis. Students will have class notes with examples to use as a guideline for their homework. All figures and work must be shown for full credit and must be written in pencil. Late homework may be turned in before the chapter test for half credit. No homework will be accepted after the chapter test. If all homework assignments are completed, corrected and turned prior to taking the test a 5 point bonus will be added to the chapter test grade.

Quizzes

There will be a minimum of two quizzes given for each chapter of material covered. Students will be allowed to use an FCAT reference sheet and a calculator on quizzes. Four function, or scientific, calculators are preferred for use to ensure that students become proficient in using the kind of calculator provided for the PERT.

Supply Requests

Bittinger, Ellenbogen and Johnson, *Intermediate Algebra Graphs and Models, 3rd edition*, (Pearson)

Basic 4-function, or scientific calculator

Notebook paper

Pencils

Voluntary Donations (*Your help will be greatly appreciated.*)

Box of tissues

Dry-erase markers

Copy paper

A textbook and workbook will be provided for each student. **All supplies and textbook materials must be brought to class everyday.**

Absent Students

It is the responsibility of the student to make up any work missed due to an **excused** absence. Assignments will be posted in the classroom. Homework, quizzes, and tests will be made up upon the return to school.

Any **Unexcused** absence work cannot be made up.