

**College Algebra**  
**Math 139.82**  
**Fall 2015**

**Number of Course Credits:**4  
**Days Class Meets:** Tu/Thurs  
**Meeting Times:** 4pm-6pm  
**Location:** Classroom 12,  
Hillsdale Campus

**Instructor:** Kia Smith  
**Office:** Remote  
**Contact Phone:**  
323-251.0223  
**Contact Email:**  
smithkial@jccmi.edu  
**Office Hours:**  
Wed 5pm-7pm via Phone

**Required Materials:** MyMathLab Student Access, LARGE 3-ring binder, LARGE eraser, pencils, graphing calculator (TI-84 Calculator **strongly recommended** )

**Textbook:** *Mathematics* by Pearson Custom ISBN10: 1-269-83477-0

**Please note:** Access to a computer with Internet is required for this section of Math 139. We will be doing homework, projects, and possibly some quizzes online, outside of class. School computers can be used to satisfy these requirements.

**Course Description:** Algebraic functions, graphs and models are addressed. Emphasis is placed on the following function types: polynomial, exponential, logarithmic, rational and radical. In all topic areas, covered content includes simplifying expressions, solving equations, graphing using transformations, mathematical modeling and problem solving.

The mathematics department recommends that the prerequisite not be more than two years old. If the prerequisite is more than two years old, then the recommendation is that the course placement exam be taken or the prerequisite be retaken to ensure the success of the student. Prerequisite: MTH 039, with 2.0 minimum or PRE EQV.

**Math 139 Core Course Objectives:**

All objectives refer to the following function types: polynomial, particularly cubic and higher order polynomials, exponential, logarithmic, rational, radical. Students successfully completing Math 139 should be able to:

1. Functions: Identify functions, use function notation, compositions of functions, inverse functions, domain and range
2. Understand and use mathematical properties to simplify expressions
3. Use algebraic and graphical methods to solve equations
4. Graph functions using transformations of basic graphs; understand relationships between algebraic statement and graphical features of a function such as intercepts, asymptotes, and turning points
5. Use a combination of manual and technology-enabled methods to find, use, and interpret mathematical models for data 2



**Grading Procedure:**

Grades are at the discretion of the professor.

**Failure:**

Three unexcused absences is an automatic failure.

**Academic Honesty Policy:**

JCC Academic Honesty policy.

**Course Management:**

See professor..

**Makeup Policy:**

At the discretion of the professor.

**Help:**

The Center for Student Success is available for learning services or opportunities for students seeking help with their course work. This may include information about tutors, learning centers, reserved library materials, open labs, counseling services.

Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the office of Learning Support Services at 787-0800, extension 8270/8553 as soon as possible to ensure that such accommodations are implemented in a timely fashion.

**Calendar:**

Approximated calendar :

Week 1 September 7 Chapter 1  
Week 2 September 14 Chapter 1  
Week 3 September 21 Chapter 2  
Week 4 September 28 Chapter 2  
Week 5 October 5 Chapter 3  
Week 6 October 12 Chapter 3  
Week 7 October 19 Chapter 4  
Week 8 October 26 Chapter 4  
Week 9 November 2 Chapter 5  
Week 10 November 9 Chapter 5  
Week 11 November 16 Chapter 6  
Week 12 November 23 Chapter 6  
Week 13 November 30 Chapter 7  
Week 14 December 7 Chapter 7  
Week 15 December 14 Chapter 8  
Review and Finals

**Due Tuesdays: Assignments Readings, homework, exercised, performances, quizzes**

**Due Thursdays: Tests Comprehensive exams, tests, due dates for major papers or performances**

**Student Responsibilities:**

Requirements beyond scheduled classes or laboratories, e.g., clinicals, extra credit assignments, TBA sessions, field placement, special project instructions, contract learning conditions, study hours required outside class, unscheduled class meetings, attendance at concerts or other required events will be described in My Math Lab.

**Attendance Policy:**

Students must attend every class. They can have 2 excused absences. Please email or text me if you will miss a class to make arrangements.