MAT 139 – COLLEGE ALGEBRA - SCHEDULE

Day	Coursepack (Textbook)	Topic
1	1.1 (5.2, 5.3)	Functions/ Domain & Range, Symmetry, Intercepts, Max/Mins
2	1.2 (5.4, 5.5, 5.6)	Graphing Linear Functions, Finding Equation of a Line, Linear Modeling
3	1.3 (9.1, 9.2)	Graphing Quadratic Functions, Quadratic Modeling
4	1.4 (8.5, 9.4, 9.6, 9.9)	Solving Quadratic Inequalities, Quadratic Modeling
5	1.5	Higher Order Polynomials – A Graphical Approach
6	1.6	Higher Order Polynomials – An Algebraic Approach
7	1.7,1.8 (15.1)	Polynomial Inequalities, Polynomial Modeling, Absolute Value Functions
8		Review
9		**Exam 1**
10	2.1 (10.1, 10.2)	Simplifying Expressions with Exponents (Integer, Rational)
11	2.2 (10.3, 10.4)	Graphing/Finding Equations for Exponential Functions
12	2.3 (10.5)	Modeling with Exponential Functions
13	2.4 (11.1, 11.2)	Compositions of Functions, Inverse Functions
14	2.5 (11.3)	Logarithms, Graphing Log Functions, Applications of Logarithms
15	2.6 (11.4, 11.5)	Power Property, Modeling with Exponential Functions
16	2.7 (11.6)	Properties of Logs, Natural Exponential/Log Functions
17	2.8 (11.7)	Applications and Modeling with Exponential and Log Functions
18		Review
19		**Exam 2**
20	3.1 (12.1)	Graphs of Rational Functions, Domain/Range, Asymptotes, Holes
21	3.2 (12.2, 12.3, 12.4)	Multiply/Divide & Add/Subtract Rational Expressions
22	3.3 (12.5)	Complex Fractions, Rational Equations & Inequalities
23	3.4 (12.6, 12.7, 12.8)	Modeling with Rational Functions, Similar Triangles, Variation
24	3.5 (13.1, 13.4)	Simplifying Radical Expressions, Add/Subtract/Multiply Radicals
25	3.6 (13.2, 13.3, 15.2)	Quotients of Radicals, Rationalizing Denominators, Graphing
26	3.7,3.8 (13.5, 13.6, 15.3)	Radical Equations, Modeling, Pythagorean Theorem, Distance Formula
27		Review & Project Due
28		**Exam 3**
29		Review
30		**Final Exam**

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GRADING POLICY:

WEIGHTING

EXAMS	40%
QUIZZES	15%
EXERCISES	15%
PROJECT	10%
FINAL EXAM	20%

GRADING SCALE

90 - 100%	4.0
85 - 89%	3.5
80 - 84%	3.0
75 - 79%	2.5
70 - 74%	2.0
65 - 69%	1.5
60 - 64%	1.0
50 - 59%	0.5
0 - 49%	0.0

ATTENDANCE:

You are expected to attend all class sessions although you will not be graded directly on your attendance. I reserve the right to withdraw you from the class if missed assignments are excessive to the degree that I do not think you will pass the course.

ACADEMIC HONESTY:

Refer to the JC academic honesty policy in the JC handbook for a complete policy description. The potential consequences of violating the academic honesty policy are as follows. If I suspect a student of academic dishonesty I may penalize the student by taking appropriate action up to and including assigning a failing grade for the paper, project, report, exam, or the course itself.

Cellular phones are not to be used for any purpose in the classroom.

ASSIGNMENTS:

In class exercises will be assigned and graded. Unless otherwise specified by the instructor, in class exercises are to be completed immediately and are due upon completion.

Homework will be assigned on MyMathLab. The due dates for MyMathLab assignments are specified in MyMathLab.

EXAMS:

Exams will be TI-83+/TI-84+ graphing calculator dependent. You will be allowed one standard notebook sized sheet of paper with your handwritten notes on it. It cannot have solved problems.

FINAL EXAM:

The final exam will be comprehensive and TI-83+/TI-84+ graphing calculator dependent. You will be allowed one standard notebook sized sheet of paper with your handwritten notes on it. It cannot have solved problems.

WHERE CAN YOU GET HELP?

<u>MyMathLab.</u> The MyMathLab software contains many methods for providing help. Explore the site and find the method that works best for you. Note that MyMathLab maintains a great product support service. You can reach them 800.677.6337.

<u>The Center for Student Success.</u> Drop in tutoring is available at the Center for Student Success in Walker Hall room 123. Regular tutoring and additional support for academic success can be arranged by calling 517.796.8415 or by stopping by the Center for Student Success.

<u>The JC Information Technology Solution Center.</u> If you are having problems with JetNet or internet access contact the JCC Information Technology Solution Center by calling 517.796.8639

<u>The Kahn Academy online</u> at http://www.khanacademy.org/ which covers topics including developmental math and prealgebra. Scroll down until you get to the appropriate category.

<u>MathTV online</u> at http://mathtv.org which covers topics including developmental math and prealgebra.

A variety of other online math help exists and can be found by doing an internet key word search for "math help".

MAKEUP POLICY:

You must notify the instructor in advance if you must a miss class session during which an exam is scheduled or an assignment is due. The instructor, at his discretion, may allow you to take the exam or submit the assigned work early. If this is not possible, the following provisions apply.

- Exams cannot be made up.
- Assigned work that is submitted after it is due will not be accepted for credit. In class quizzes or graded exercises that are missed cannot be made up.

GRAPHING CALCULATOR:

The Texas Instruments TI-83+ or TI-84+ graphing calculator is ***required equipment*** for this course. You are required to obtain one prior to the first class meeting and bring it to every class meeting. Throughout the course procedures will be discussed, demonstrated, and used during class that are specific to this calculator. Exams and homework will be TI-83+/TI-84+ calculator dependent. Use of a graphing calculator other than the TI-83+/TI-84+ is strongly discouraged.

GENERAL EDUCATION OUTCOMES:

This course addresses the following institutionally defined General Education Outcome GEO 3

REVISION:

I reserve the right to revise any part of this document as I deem necessary throughout the semester. Revisions, if they occur, will be announced during class.