

MAT 131 - INTERMEDIATE ALGEBRA

<i>Week</i>	<i>Section(s)</i>	<i>Topic</i>
1	4.4,4.6,	Solving Linear Equations, Formulas,
	5.1,5.2,	Graphing Linear Equations, Functions, Domain and Range,
2	5.4,5.5,	Finding Linear Equations, Modeling with Linear Functions,
	5.6,6.1,	Using Models to Make Estimates/Predictions, Systems of Equations,
3	6.4,6.5,	Using Systems to Model Data, Applications
		<i>Exam 1</i>
4	7.2,7.3,	Multiplying Polynomials,
	7.4,7.5,	Exponents, Polynomial Division,
5	8.4,8.5,	Factoring, Using Factoring to Solve Polynomial Equations,
	8.6,9.3,	Predictions with Quadratic Models, Simplifying Radical Expressions,
6	9.4,9.6,	Square Root Property, Quadratic Formula,
		<i>Exam 2</i>
7	9.8,9.9,	Modeling with Quadratic Functions,
	10.1,10.2,	Integer Exponents, Scientific Notation, Rational Exponents,
8	10.3,10.4,	Exponential Functions,
	10.5,11.2,	Exponential Models, Inverse Functions,
9	11.3,11.4,	Logarithmic Functions, Properties of Logarithms,
	11.5,11.6,	Using the Power Property, Properties of Logarithms,
10		<i>Exam 3</i>
	11.7, supp	Natural Logarithms, Unit Conversion
11	12.1,12.2,	Simplifying Rational Expressions, Multiplying/Dividing Rational Expressions
	12.3,12.5,	Adding/Subtracting Rational Expressions, Solving Rational Equations,
12	12.7,12.8,	Proportions, Similar Triangles, Variation,
	13.1,13.2,	Simplifying Radical Expressions, Combining Radical Expressions,
13	13.3,13.4,	Rationalizing Denominators, Square Root Functions,
	13.5,	Radical Equations
14		<i>Exam 4</i>
		Final Exam Review
15		<i>Final Exam</i>
		Review Final Exam

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GRADING POLICY:

WEIGHTING

EXAMS	60%
EXERCISES/PROJECTS	20%
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 assignments 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 also 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?

MyMathLab. 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.

The Center for Student Success. 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.

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

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

MathTV online 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 miss a 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.

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.