

MAT 131 - INTERMEDIATE ALGEBRA

SCHEDULE

Date	Section(s)	Topic
1	1.5,2.2	Linear Modeling
2	2.3,2.4	Function Notation, Predictions
3	3.1,3.2	Systems of Equations
4	3.3,3.4,3.5	Systems of Equations, Linear Inequalities
5		Exam 1
6	4.1	Exponents
7	4.2,4.3	Rational Exponents, Exponential Models
8	4.4,4.5	Exponential Models
9	5.1,5.2	Inverse Functions, Logarithms
10	5.3,5.4	Properties of Logarithms
11	5.5,5.6	Properties of Logarithms, Natural Logarithms
12		Exam 2
13	6.1,6.2	Adding, Subtracting, Multiplying Polynomial Expressions
14	6.3,6.4	Factoring Polynomials
15	6.5,6.6	Solving Polynomials
16	7.1,7.2,7.3	Graphing Quadratics, The Square Root Property
17	7.4,7.5	Solving Quadratics: Completing the Square & the Quadratic Formula
18	7.6,7.7,7.8	Quadratic Models
19		Exam 3
20	8.1,8.2	Domain, Simplifying, Multiplying, & Dividing Rational Expressions
21	8.3	Adding & Subtracting Rational Expressions
22	8.4,8.5,8.6	Simplifying, Solving, and Modeling Rational Functions
23	9.1,9.2	Radical Expressions
24	9.3,9.4	Square Root Functions
25	9.5,9.6	Modeling with Square Root Functions
26		Exam 4
27		Review for Final
28		Final Exam
29		Review Final Exam
30		Project

MAT 131 - INTERMEDIATE ALGEBRA - POLICIES

INSTRUCTOR: GREG SEVERANCE

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GRADING POLICY:

WEIGHTING

SEMESTER 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
65 - 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 JCC academic honesty policy in the JCC 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.

By hand homework will be assigned and graded. Unless otherwise specified by the instructor, this homework is due at the beginning of the class session following the session during which it was assigned. Homework problems must be submitted at the beginning of class or when the instructor arrives at class on the due date or they will not be accepted for credit.

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

EXAMS:

Exams will be open notes and TI-83+/TI-84+ graphing calculator dependent.

FINAL EXAM:

The final exam will be comprehensive and it will BE open notes and TI-83+/TI-84+ graphing calculator dependent.

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 responsible to obtain one. 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.

ADO OUTCOMES:

This course addresses the following institutionally defined Associate Degree Outcomes:

- Demonstrate computational skills and mathematical reasoning.
- Critical thinking.

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.