

MAT 131 - INTERMEDIATE ALGEBRA

SCHEDULE

Day	Section(s)	Topic
1	R1.1-R1.5 (5-19)	Number Basics; Mathematical Notation; Exponents and Square Roots;
2	R1.6-R1.9; R2.1 (20-34)	Order of Operations, Linear Equations/Inequalities; Scattergrams;
3	R2.2-R2.5 (35-50)	Linear Models; Graphing Equations of the Form $y=mx+b$; Slope
4	R2.6-R2.10 (51-70)	Finding/Graphing Linear Equations/Models; Solving Systems of Equations
5	R2.11-R2.12 (71-76)	Functions, Domain and Range; Function Notation
6		Exam 1
7	10.1-10.3 (77-95)	Integer Exponents; Rational Exponents; Graphing Exponential Functions
8	10.4-10.5, 11.2 (96-116)	Finding Exponential Functions to Model Data; Inverse Functions
9	11.3-11.4 (117-131)	Logarithmic Functions; Properties of Logarithms
10	11.5-11.6 (132-138)	Power Property; More Properties of Logarithms
11	11.7 (139-142)	Natural Logarithms
12		Exam 2
13	R3.1-R3.4 (143-149)	Simplifying/Factoring/Solving Polynomials; Graphing Quadratic Functions
14	R3.5-R3.8 (150-162)	Vertex of a Quadratic Function; Solving Quadratic Equations
15	R3.9-R3-10; 12.1 (163-175)	Quadratic Models; Simplifying Rational Expressions;
16	12.2; 12.R1-12.R2 (176-188)	Multiplying and Dividing Rational Expressions; Unit Conversion
17	12.3, 12.5 (189-194)	Adding and Subtracting Rational Expressions; Solving Rational Equations
18	12.5; 12.7-12.8 (190-202)	Applications of Rational Equations; Proportions, Similar Triangles; Variation
19		Exam 3
20	13.1-13.3 (203-213)	Simplifying/Combining Radical Expressions; Rationalizing Denominators
21	13.4-13.5 (214-222)	Graphing/Solving Radical Equations; Modeling with Square Root Functions
22		Final Exam Review
23		Final Exam
24		Review Final Exam

MAT 131 – INTERMEDIATE ALGEBRA

POLICIES

INSTRUCTOR: GREG SEVERANCE

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GRADING POLICY:

WEIGHTING

EXAMS	50%
HOMEWORK	50%

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

ACADEMIC HONESTY:

If a student commits academic dishonesty I may sanction the student by taking appropriate action up to and including assigning a failing grade for the assignment, exam, or the course itself. 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. You may be dismissed from the course for, but not limited to, the following reasons as stated in the Academic Honesty Policy and the Student Rights and Responsibilities Handbook.

Misconduct for which students or visitors are subject to discipline is as follows:

- 1) Dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the College.
- 2) Forgery, alteration, or misuse of College documents, records or identification.
- 3) Obstruction or disruption of teaching, lecturing, research, administration, or other authorized activities on College premises...

ASSIGNMENTS:

Assignments are accessed via the MyMathLab website and can be completed without the supervision of a preapproved test center or proctor. You may redo and resubmit homework assignments as often as you like even after the due date to improve your grade.

MIDTERM EXAM:

The Midterm Exam is a handwritten exam must be taken at JC's Main Campus Testing Center, at another college's testing lab, or under the supervision of a JC approved proctor. The Midterm Exam will be hand graded and partial credit can be earned. SHOW YOUR WORK.

You are allowed one attempt for the Midterm Exam.

You are not allowed the use of the textbook or notes.

Necessary formulas will be provided.

You are allowed the use of a graphing calculator on the Midterm Exam.

FINAL EXAM:

The Final Exam is a handwritten exam must be taken at JC's Main Campus Testing Center, at another college's testing lab, or under the supervision of a JC approved proctor. The Final Exam will be hand graded and partial credit can be earned. SHOW YOUR WORK.

You are allowed one attempt for the Final Exam.

You are not allowed the use of the textbook or notes.

Necessary formulas will be provided.

You are allowed the use of a graphing calculator on the Final Exam.

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.

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 McDivitt Hall Tutoring Lab. Drop in tutoring is available at the McDivitt Hall Math Lab located in room 244. Typical hours are 9 am – 6 pm Monday – Thursday.

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 Googleing math help.

ADO OUTCOMES:

This course addresses the following institutionally defined Associate Degree Outcomes:

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

GETTING STARTED WITH MYMATHLAB:

It is very important that you get registered with Pearson **MyLab/Mastering** as soon as possible so you can get started on course content.

You will need the following items:

- 1) Your MyLab/Mastering Student Access Card: It can be purchased at the Jackson Community College Bookstore or online.
- 2) Course ID Number. I will supply this to you.

Registration Instructions:

Open a browser window on your computer and type in the address **http://<http://pearsonmylabandmastering.com/>**
Click on **Student** under the Register heading.
Follow the registration instructions. There are four steps to registering for MyLab/CourseCompass.

1. Access Information
2. Course ID number
3. Account Information
4. Confirmation and Summary

Use Mozilla Firefox or Google Chrome as your web browser. Not all features of the MyLab/Mastering website are compatible with Microsoft Explorer.

You may need to disable or modify your pop-up blocker for the JetNet and MyLab/Mastering websites.

NOTE! DO NOT USE THE "ASK MY INSTRUCTOR" FEATURE IN MYMATHLAB, IT HAS NOT BEEN RELIABLE.

If you have trouble registering with MyLab/Mastering please contact the MyLab Student Product Support Team. In the past other students have found them to be helpful, courteous and efficient. They can be reached at 800.677.6337.

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.