

MAT 033 – Algebra for Statistics – SCHEDULE

<i>Date</i>	<i>Course Pack</i>	<i>Topic</i>
23-May	1-13	Constants, Variables, Ratios, Exponents, Square Roots
25-May	14-27	Order of Operations, Simplifying, Solving Formulas
30-May		<i>Memorial Day</i>
1-Jun	28-42	Inequalities, Margin of Error, Unit Conversion, Medical Unit Conversions,
6-Jun	43-54	Introduction to Statistics, Statistical Variables, Levels of Measurement
8-Jun		<i>Exam 1</i>
13-Jun	55-67	Observational Studies, Designed Experiments, Sampling Methods, Bias
15-Jun	68-79	Design of Experiments, Fractions, Ratios, Rates, Rounding, Percent
20-Jun	80-89	Language of Probability, Probability Models, Expected Value
22-Jun	90-101	Empirical/Subjective Probability, Operations with Fractions, Addition Rule
27-Jun	102-112	Complement Rule, Scientific Notation, Multiplication Rule,
29-Jun		<i>Exam 2</i>
4-Jul		<i>Fourth of July</i>
6-Jul	113-127	Scattergrams, Linear Relationships, Graphing Linear Equations
11-Jul	128-135	Graphing Linear Models, Slope
13-Jul	136-144	Rate of Change, Finding Linear Equations, Creating Scattergrams
18-Jul	145-161	Correlation, Regression Equations, Linear Models
20-Jul		<i>Exam 3</i>
25-Jul	162-178	Qualitative/Quantitative/Discrete/Continuous Data
27-Jul	179-199	Distributions, Misleading Graphs, Sigma Notation, Average
1-Aug	200-210	Measures of Central Tendency/Variation, Grouped Data
3-Aug	211-222	Measures of Position, Outliers, Five Number Summary, Boxplots
8-Aug		Final Exam Review
10-Aug		<i>Final Exam</i>
15-Aug		Review Final Exam

MAT 033 – ALGEBRA FOR STATISTICS

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GRADING POLICY:

WEIGHTING

EXAMS 1 - 3	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 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 open notes and TI-83+/TI-84+ graphing calculator dependent.

FINAL EXAM:

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

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.

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.