

MAT 030 – FOUNDATIONS OF MATH – SCHEDULE

Day	Lesson	Topic
1		Course Introduction
2	1	How Big is a Billion?
3	2	Doubling, Scientific Notation, Ratios
4	3	Misinformation, Estimation, & Percentages
5	4	Order of Operations, Spreadsheet Formulas, Relative Size
6	5	Frequency, Frequency Tables, Histograms
7		Review – Exam 1
8		Exam 1
9	6	Mean, Median, Mode, Five-Number Summary
10	7	Financial Information, Credit Card Interest, Taxes
11	8	Risk, Risk Reduction, Absolute & Relative Change
12	9	Two Way Tables, Test Results, False Positives/Negatives
13	10	Ratios, Scaling, Dimensional Analysis, Relative Change
14		Review – Exam 2
15		Exam 2
16	11	Evaluating Expressions, Geometric Formulas
17	12	Dimensional Analysis, Unit Rates, Multiple Step Work
18	13	Breaking Down Formulas, Relating Change Between Variables
19	14	Performing Step Sequences in Forward and Reverse
20	14	Performing Step Sequences in Forward and Reverse
21		Review – Exam 3
22		Exam 3
23		Final Exam Review
24		Final Exam

POLICIES

INSTRUCTOR: GREG SEVERANCE
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GRADING POLICY:

WEIGHTING

SEMESTER EXAMS	60%
EXERCISES	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

REQUIRED MATERIALS:

- Coursepack
- MyMathLab Student Access Code
- A non-graphing calculator that will perform basic calculations (add, subtract, multiply, divide, percents, and fractions) is required. A graphing calculator may not be used. If you need to purchase a calculator, the Texas Instruments TI-30 is a good choice.

ATTENDANCE:

You are expected to attend all class sessions for the full duration. 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 during exams.

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.

Quizzes will be given in class and will count into your Exercises grade.

EXAMS:

Exams will be calculator dependent. You will be allowed one page (8.5 by 11, front and back) of notes for each exam. All previous note sheets may be used on the final exam.

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.
- MyMathLab homework exercises can be completed or reworked after they are due at no penalty up to the date of the final exam.

COURSE OBJECTIVES:

- Students will be able to interpret and communicate quantitative, mathematical, and statistical concepts.
- Students will be able to make sense of problems, develop strategies to find solutions, and persevere in solving them.
- Students will be able to reason, model, evaluate, and make decisions with mathematical, statistical, and quantitative information.
- Students will be able to use appropriate technology in a given context.
- Students will improve metacognition and self-regulation.
- Students will develop number sense and the ability to apply concepts of numeracy.
- Students will use proportional reasoning to solve problems that require ratios, rates, proportions, and scaling.
- Students will transition from specific and numeric reasoning to general and abstract reasoning.
- Students will understand and critically evaluate statements that appear in the popular media.
- Students will understand, interpret, and critically evaluate quantitative information in order to make decisions in their financial and civic life.

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.