Syllabus:
Math 134 Section 5

Instructor: Matthew Lorentz
email: lorentzm@math.hawaii.edu
Office: PSB 304
Meeting times: Tuesday, Thursday: 3:15 – 4:45
Textbook: *College Algebra, Blitzer*

Office hours: Wednesday, Friday: 2 – 3 ; Thursday: 12 - 1
It is important that you seek out help as soon as you experience difficulty. Extra help can be found at:

- The Learning Emporium, http://www.hawaii.edu/natsci/math.php
- And from The Learning Assistance center, http://manoa.hawaii.edu/undergrad/learning/

Course Material: This course will cover chapters 1–4 of the text. This class is for students who need to take Math 140 (Pre-calculus Trigonometry and Analytic Geometry) or Math 203 (Calculus for Business and Social Sciences). Students who just need a math class should take Math 100.

Homework: Your overall homework score will be worth 15% of your total grade. All homework assignments will on MyMathLab. Homework will be assigned once weekly on Monday and will be due on Sunday at 11:59pm

- MyMathLab: Go to http://www.pearsonmylabandmastering.com/northamerica/mymathlab/, or Google search MyMathLab.
- If you already have an account sign in.
- If you do not have an account click "register now" as a student and follow the instructions.
- The course ID is lorentz01048

In class work: Your in class work will be worth 15% of your grade.

- Before coming to class you must print the in class work.
    - Go to MyMathLab.
    - In the side menu scroll down and click on Course Tools.
    - Once in the Course Tools menu click on Document Sharing.
    - Download the appropriate classwork and print.
- You will be randomly divided into groups and work collaboratively on the in class work for the last 30 – 45 minutes of class.
- During classwork each group will be given a problem on the classwork to present to me at the end of class.
- Once your group has presented your problem you will receive credit for that day's classwork.

Tests: There will be three in class exams and a common final exam.

- Each in class exam will be worth 15% of your total grade.
- The final test will be worth 25% of your total grade.
- The final test will be will be cumulative.
- No calculators, notes, or books are allowed during tests.
- There will be *no* make-ups for any tests except in the case of a properly documented medical or family emergency. If you will miss a test for a school related excused absence (e.g. a travel team). It is your responsibility to arrange a time to take the test *before* the absence.

Cheating: I have a zero tolerance policy on cheating. If you are caught cheating you will receive a zero on that test. If you are caught twice you will not pass the class.

Grading curve: A 70% or better will be considered passing.

Accessibility: Any student who feels s/he may need an accommodation based on the impact of a disability is invited to contact me privately. I would be happy to work with you, and the KOKUA Program (Office for Students with Disabilities) to ensure reasonable accommodations in my course. KOKUA can be reached at (808) 956-7511 or (808) 956-7612 (voice/text) in room 013 of the Queen Lili'uokalani Center for Student Services.

Important dates:
January 16th no class, Martin Luther King Day (Monday)
January 17th last day to withdraw without a W.
January 18th last day to add/register courses.
February 20th no class, Presidents Day (Monday).
March 10th last day to withdraw.
March 27th no class, Kūhiō Day (Monday)
March 27th – 31st no class, Spring Break

Rough Schedule subject to change

WEEK #	SECTIONS TO COVER
1 **2** **3**	▪ 1.1 Graphs and Graphing Utilities ▪ 1.2 Linear Equations and Rational Equations ▪ 1.3 Models and Applications ▪ 1.5 Quadratic Equations ▪ 1.6 Other Types of Equations ▪ 1.7 Linear Inequalities and Absolute Value Inequalities
4	**Exam 1 (which covers Ch. 1)**

5 **6** **7**	▪ 2.1 Basics of Functions and Their Graphs ▪ 2.2 More on Functions and Their Graphs ▪ 2.3 Linear Functions and Slope ▪ 2.4 More on Slope ▪ 2.5 Transformations of Functions ▪ 2.6 Combinations of Functions; Composite Functions ▪ 2.7 Inverse Functions ▪ 2.8 Distance and Midpoint Formulas; Circles
8	**Exam 2 (which covers Ch. 2)**
9 **10** **11**	▪ 3.1 Quadratic Functions ▪ 3.2 Polynomial Functions and Their Graphs ▪ 3.3 Dividing Polynomials; Remainder and Factor Theorems ▪ 3.4 Zeros of Polynomial Functions ▪ 3.5 Rational Functions and Their Graphs ▪ 3.6 Polynomial and Rational Inequalities
12	**Exam 3 (which covers Ch. 3)**
13 **14** **15**	▪ 4.1 Exponential Functions ▪ 4.2 Logarithmic Functions ▪ 4.3 Properties of Logarithms ▪ 4.4 Exponential and Logarithmic Equations ▪ 4.5 Exponential Growth and Decay; Modeling Data
16	**Review for Final Exam (which is cumulative)** **The final exam is a common final and is scheduled for Wednesday May 10, 12:00 – 2:00**