Syllabus:
Math 134 Section 1

Instructor: Matthew Lorentz
e-mail: lorentzm@math.hawaii.edu
Office: PSB 304
Meeting times: MW 2:30-4:00
Textbook: *College Algebra, Blitzer*

Office hours: MW 9am-10am, T 2pm – 3pm
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 Saturday 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 lorentz39397

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 work independently for the first 15 minutes of in class work.
- After that you will be randomly divided into groups and work collaboratively on the in class work.
- Once in groups every group member will write their name on a piece of paper. Every member of the group will receive the same score, which will be recorded on this paper.

- If you do not bring a copy of the classwork to class you WILL NOT receive credit for that day.

Tests: There will be three in class exams and a common final exam.
- Each in class exams will be worth 15% of your total grade.
- The final test will be worth 25% of your total grade.
- The final test will be on Wednesday December 14th, and 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:
August 29th last day to withdraw without a W.
August 31st last day to add/register courses.
September 5th no class, Labor Day (Monday).
October 21st last day to withdraw.
November 8th no class, Election Day (Tuesday).
November 24th no class, Thanksgiving (Thursday).

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	**Midterm Exam 1 (which covers Ch. 1)**

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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	**Midterm 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	**Midterm 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)**