SYLLABUS FOR MATH 114, INTERMEDIATE ALGEBRA, WINTER 2015

MATH-114. – 15, CRN: 32335

Instructor: Professor Wyatt Howard

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Class Hours: M,T,W,Th,F from 11 : 30A.M.-12 : 20P.M. in room MQ-3.

Office Hours: Thursdays from 1 : 00P.M.-2 : 30P.M. in Room E37.

Textbook: *Intermediate Algebra for College Students*, 5th Ed. by Blitzer. We will plan on covering Chapters $1-7$ and $9-11$ in the textbook.

Grading:

• **Homework:** Homework will be assigned after almost every class. I will not collect all of your homework and grade each assignment. However, on quiz and exam days you need to bring **all** of your homeworks with you to class. I will collect 1 assignment on quiz days and 2 on exam days. Before you take the quiz or exam I will call one of these assignments at random and you will turn them in with your quiz or exam. This will count for 1 question on your quiz and 2 questions on your exam. I will not accept late homeworks. If you turn the wrong homework assignment, then you will receive a zero for that assignment. It is your responsibility to make sure that you are organized and turn in the correct homework assignment. The homework will be graded on a scale of $1-5$ where 5 is a perfect score. I will be primarily grading the homework on effort and to give you feedback.

• **Quizzes:** There will be a quiz almost every week based on the homework problems. I do **not** give make up quizzes **unless** you ask me for an exception before you miss the quiz with a valid reason. If you miss a quiz, then you will receive a zero for that quiz. I will also give you the opportunity to retake your quiz in my office hours one week from the day that the quiz is handed back. However, you will do the entire quiz on the blackboard in front of me during office hours. This is meant to give you personalized feedback on your work and help prepare you for the exam.

• **Tests:** There will be a total of 4 exams in the class: 3 midterms and 1 final. I do **not** give make up exams **unless** you ask me for an exception before you miss the exam with

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a valid reason. If you miss an exam without a valid reason, then you will receive a zero for that exam. In the event this occurs, you will be able to replace the zero you received on one midterm exam by your final exam grade on a percentage equivalent basis. You can use **scientific calculator** for both the quizzes and exams. You are **not** allowed to use a graphing calculator. The final exam will be cumulative.

Tentative Dates for Midterms: Friday January 23rd for Midterm 1, Friday February 13th for Midterm 2, and Friday March 6th for Midterm 3.
Final Exam: The date of the final is exam is on Tuesday March 24th from $11:30 A.M. - 1:30 P.M.$ **The date of the final exam is set in stone** and will not be changed.

Quizzes 10%
Midterm 1 20%
Midterm 2 20%
Midterm 3 20%
Final 30%

• **Grade Breakdown:**
$90 - 100\% = \text{A}.$
$80 - 89\% = \text{B}.$
$70 - 79\% = \text{C}.$
$60 - 69\% = \text{D}.$
below $60\% = \text{F}.$

This grading scale is not set entirely in stone. I may curve the class at the very end of the course. It depends on how the entire class performs, but the above scale will be a good indication of how you are doing in the course.

Student Learning Outcomes:
• Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
• Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four points of view-visual, formal, numerical, and written.

Course Description: Develop, throughout the course as applicable, systematic problem solving methods. Investigate the characteristics of rational expressions. Develop rational function models to solve problems. Explore the concepts of inverse relation and inverse function. Investigate the graphical and numerical characteristics of exponential relationships and describe their meaning in the context of a problem. Explore logarithmic functions. Develop exponential and logarithmic function models to solve problems. Investigate distances on a number line and in a plane and develop the equation of a circle. Explore sequences and series. Use systems of three linear equations to solve real world problems.

Prerequisites: Completion of Math 112 with a grade of C, or equivalent; qualifying score on Placement Test. You should have solid arithmetic skills. This is because we will be studying algebra and it depends heavily on you having a strong foundation in arithmetic.

Warm-Up Exercises: Warm-up exercises will be given almost everyday. This will consist of $1-3$ exercises that I will post on the board and have you work on either by yourself or in groups when you enter class. After the first few minutes I will walk around the class to observe how everyone is tackling the exercises and to provide help. These problems are intended to help warm-up your mind for the lecture that day. Please take these seriously.

Blue/Green Books: Each student is required to purchase 4 large blue/green books and turn them in to me during the first two weeks of class. I will talk more about this on the first day of class.

Free Tutoring: The Math Tutoring Center in Room $S4$ offers free tutoring on Mondays-Thursdays from $9:00$A.M.-$5:30$P.M. I strongly encourage you to utilize this resource. More information can be found here:
http://www.deanza.edu/studentsuccess/mstrc/

Supplemental Resources: I encourage you to poke around the library and web to see what other supplemental resources exist. One great resource is the following link:
http://tutorial.math.lamar.edu/Classes/Alg/Alg.aspx

Disability Support Services: If you need to contact the Disability Support Services, then please contact them as soon as possible. More information can be found here:
https://www.deanza.edu/dss/

Academic Integrity: This is pretty straightforward: Do not cheat on quizzes, exams, or directly copy other student's work. It is not worth getting caught and suffering the consequences. For more information about De Anza College's policy on academic integrity:
https://www.deanza.edu/studenthandbook/academic-integrity.html