SYLLABUS FOR MATH 114, INTERMEDIATE ALGEBRA, SUMMER 2015

Math-114. − 08, CRN: 11027

Instructor: Professor Wyatt Howard

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Class Hours: Monday, Tuesday, Wednesday, and Thursday from 3 : 00P.M.-5 : 15P.M. in room MLC-105.

Office Hours: Thursdays from 5 : 20P.M.-6 : 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.

• **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 provide me with documentation. For example, if you had to visit the emergency room, then I will ask for a doctor's note. If you miss an exam without a valid reason, then you will receive a zero for that exam. In the even this occurs, you will be permitted to replace the zero you received on **one** midterm exam by your next midterm (or final exam in the event you miss the third midterm) grade on a percentage

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Date: June 26, 2015.

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: Tuesday July 7th for Midterm 1, Tuesday July 21th for Midterm 2, and Thursday July 30th for Midterm 3.

Final Exam: The date of the final is exam is on Thursday August 6th. **The date of the final exam is set in stone** and will not be changed.

Midterm 1 20%
Midterm 2 25%
Midterm 3 25%
Final 30%

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

Policies for This Class: These policies are part of the syllabus and will be strictly enforced. By enrolling in this course, you as the student agree to accept these policies and follow them and agree that **the instructor reserves the right to drop a student from the course with a W if any of the policies are violated**. Further action may also be taken against a student who violates specific policies, such as the policy on cheating.

• Cell phone use (talking on your phone, texting, etc.) during lecture is not allowed. This is considered to be rude behavior and tells me that you are not paying attention in class. If you are using your phone, then you will be warned once to stop. If it happens again, then you may be asked to leave the class and you will not be allowed back into the class until you emailed the instructor or talked to him before the next class meeting.

• Talking during class is also not allowed. This is also considered to be rude behavior, and it is distracting to the professor. If you are being disruptive and talking to another student during class, then I reserve the right to move you to the front of the classroom or I may ask you to leave the class and you will not be allowed back until the class until you have emailed the instructor.

If you have an emergency and need to use your cell phone, then you are free to excuse yourself from class to deal with the situation.

• Tests are usually given at the end of class and must be completed by the time class time ends. You will receive a two minute warning before your time is fully up. When time is over, you must put down your writing utensil and **stop writing immediately**. If you do not stop writing immediately, your test may **not** be collected and you may receive a grade of zero. Also, during exams everything must be off of your desk and either in your backpack (or under your seat if you do not have a backpack). If the instructor sees any phones, paper, notebooks, textbooks, etc. out during an exam, then it will be considered cheating and the student will receive a zero for that exam. If the instructor observes a student placing his or her hands beneath his or her desk for an extended period of time, the instructor may ask that student to stand up or move to another desk. If a student is observed with a cell phone in his or her hands, lap, or other easily accessible place after the student has received his or her test, that student will be considered cheating and will receive a zero on that test.

• If a student is caught cheating, the instructor reserves the right to assign a grade of F for the entire course or to drop the student with a W from the course. If a student is returned a graded test or quiz and the student changes his or her incorrect answers in order to receive more points, the student is considered cheating and such an act will carry the same consequences as those mentioned above. If you are caught cheating on the final exam, you will automatically receive a grade of F for the course.