

## Syllabus: Math 114 (Section 29), Fall 2015

Instructor: Dr. Bill Wilson

Office Hours: 10:30-11:30 Tuesday, Thursday in E37; Monday 2:45-3:45 in E37

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**Required Materials:** Intermediate Algebra by Mark Clark  
Graphing calculator (not needed or allowed on exams)

### Student Learning Objectives:

- 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, formula, numerical, and written.

### Course Objectives:

- A. Develop, throughout the course as applicable, systematic problem solving methods
- B. Investigate the characteristics of rational expressions
- C. Develop rational function models to solve problems
- D. Explore the concepts of inverse relation and inverse function
- E. Investigate the graphical and numerical characteristics of exponential relationships and describe their meaning in the context of a problem
- F. Explore logarithmic functions
- G. Develop exponential and logarithmic function models to solve problems
- H. Investigate distances on a number line and in a plane and develop the equation of a circle
- I. Explore sequences and series
- J. Use systems of three linear equations to solve real world problems
- K. Investigate, throughout the course as applicable, how mathematics has developed as a human activity around the world.

**Homework:** Homework will be assigned most classes. Late homework will generally not be accepted.

**Exams:** Three exams will be given plus the final exam. There will be no makeups. If an exam is missed because of a valid excuse, an equivalent of the final exam score will be used as the score for the missed exam.

**Quizzes:** Regular quizzes will be given. You may correct and resubmit two quizzes for a higher score.

**Final Exam:** A comprehensive final exam will be given on 12/7/15 4-6pm.

**Accommodations:** Students requiring accommodations are welcome in this class. Please notify me immediately if you have special learning requirements. We need to make arrangements with DSS as soon as possible. Go to <https://www.deanza.edu/dss/> for more information.

**Grading:** 3 midterms @ 15% = 45%  
homework and class work: 10%  
quizzes: 15%  
final exam: 30%

**Scale:**

A+: 97+	A: 93+	A-: 90+
B+: 87+	B: 83+	B-: 80+
C+: 77+	C: 70+	
D: 60+		
F: < 60		

**ESL:** If English is a second language, a print English translation dictionary is allowed for exams/quizzes

### **Important Dates:**

Saturday, Oct. 3 : Last day to add quarter-length classes. Add date is enforced.

Sunday, Oct. 4 : Last day to drop for a full refund or credit (for 12-weeks, quarter-length classes).

Sunday, Oct. 4 : Last day to drop a class with no record of grade. Drop date is enforced.

Friday, Oct. 16 : Last day to request pass/no pass grade. Request date is enforced.

Friday, Nov. 13 : Last day to drop with a "W." Withdraw date is enforced.

### **Expectations of Students:**

1. **Academic dishonesty will not be tolerated.** If a student is found cheating on an exam or quiz, he or she will receive a 0 for the item. Repeated instances of cheating may lead to failing the course and further action.
2. **Showing your work.** You need to show your work on homework and exams to receive full credit.
3. **Respect you fellow students.** Silence cell phones and tablets in class.