

# Math114

2015 On Campus Math114 Self-Paced/Mastery Based(Intermediate Algebra)

**Within the first 2 weeks of the quarter you must not miss a class meeting or be late more than twice. More than 10 min. late is considered absent. If you can not make it to class for some extraordinary reason, have an accident or have an unexpected event such as traffic, then call or email before class begins.**

**Class attendance is required throughout the quarter. If you miss more than two class meetings or are late more than 4 times, you may be dropped from the class. If you definitely want to be dropped from the course YOU should make sure you drop yourself. If you do not drop then you may receive an "F" on your transcripts which can not be altered**

## **Contact Info:**

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## **Office Hours**

See Home Page at <http://faculty.deanza.edu/desiletslenore/>

**PREREQUISITES** Math 212 earning a C or better or qualifying score on De Anza's Math Placement Exam

## **The Course at a Glance:**

**Your grade depends on the following:**

- 1. 4 exams**
- 2. 4 Summary Papers**
- 3. 6 Group-Quizzes**
- 4. 2 Applied Worksheets**
- 5. Organized Notebook with Specific Notes(TBA)**
- 6. Final**

## **REQUIRED COURSE MATERIALS**

- 1. Aleks online software bought online -special site (with reduced cost) given by instructor via email**
- 2. Large 3-ring binder with binder paper and separators. See Notebook Organization Below**
- 3. Headphones**

**If your computer does not have the necessary hardware you may work at school either in the S42, S44 or S48 (the Math Labs) or the Open Media Lab. For open hours for the Math Lab go to**

[http://nebula.deanza.edu/PSME\\_Division/ComputerLabs.html](http://nebula.deanza.edu/PSME_Division/ComputerLabs.html)

and click on the 3 labs labeled S44, S42 and S48 for Summer 2014.

You will see open blocks which mean those times are open to all students. Although some instructor do not mind other students using computers, you must get permission by the instructor whose name appears in that block. There are also open hours listed on each of the doors a few weeks into the quarter.

There is also an Open Media Lab connected to the main library in the basement. Please go to the main deanza site to find hours of operation.

**Student Learning Outcomes: (What you will be able to do at the end of the quarter)**

**1: Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.**

**2: 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**

**ATTENDANCE** is required. If you are more than 10 min. late you are considered absent. After 2 absents you may be dropped from the class unless you have made prior arrangements with the Instructor.

**HOMEWORK and EXAMS** are done on a Smart Software called Aleks. Within Aleks I have set up Modules comprised of different homework topics. Modules usually correspond to one or two slices of the pie and a few other short topics. After finishing each Module Aleks will give you an assessment to check if you have learned and retained the material. If you have not achieved 90-95% you will need to go back and get help to learn or retain the topics before taking an exam. NOTE You MUST master the topics listed for each exam before taking the exam. This means taking the module assessments that automatically come up after the topics are completed. If any topics are reopened you must clean them up, that is, redo the problems until the topic is completed again.

**Learning** will be done Using the Online program called Aleks which contains videos, animations and an ebook, Mini-lectures by the instructor and/or Individual help either from the Instructor or Lab Tutor. It is your responsibility to ask for help when needed. Simply put your name on the front white board either under the instructors name or tutors name. You may also request a MiniLecture on any Topic by putting your name on the board and the topic requested.

**\*Important\***

**You Must ATTEND the Following MiniLectures BEFORE Working on the Topic on ALEKS:**

- 1) Absolute Value Eqn. and Ineq.**
- 2) Rational Functions, Graphs and Equations**
- 3) Variation**
- 4) Solving Eqns. with Rational Exp. or Radicals (Even Roots & Powers)**
- 5) Evaluating Exponential Expressions and Functions**

6) Logs(Loop)

7) Graphs of the Exp and Log Function

8) Compounding

9) Exp and Log Applications

**\*\*You must attend and take notes on the corresponding MiniLecture(presented only twice) before doing the ALEKS topic else 10 points will be deducted from your total score.\*\***

### **IMPORTANT DETAIL**

**1. EXAMS:** There are 4 exams that may be taken and retaken until they close(a schedule when exams close will be emailed as an attachment and posted in the classroom) All EXAMS must be done in LAB and during class. If you take an exam or a retake outside of the lab OR start without the permission of the instructor you will receive a ZERO for that exam with NO retakes. You may only take exams after you have completed the specified Mod assessments for that exam. Certain quizzes must be done before each exam. This too is indicated in the emailed attachment and posted in the lab.

The Mod assessments do not count in your grade. They are short tests which tell you what you may not really know for the exam. If you do not know a topic that you thought you did, the topic will reopen and you will need to complete problems in that topic again.

### **EXAM PROCEDURE:**

**0)MOST IMPORTANT:** NUMBER your problems,write LEGIBLY and SHOW your work! In some cases such as reading a graph work may not be required. In this case the instructor will look at your values to assess what type of mistake you may have made.

A) You may ONLY request to take EXAMS on Tu or Th at the beginning of class BEFORE the Exam CLOSES (See Closing Dates).

B) To take an Exam put your name on the board with the Exam Number.

C) You must take your Exam on a Computer at the front of the classroom on Colored Paper provided.

D) Once done with the Exam put your name back on the board and write "Review Exam". Do not write anything on your Exam papers until you meet with your instructor.

E) Your Instructor will call your name and go over your Exam Score. In order to take a retake, you will either need to find your mistake or complete extra work before retaking incorrect problems.You may NOT retake any incorrect problems that have no written work associated with them.

F) Once you finish the work required for the retake, put your name back on the board and show the instructor. If there is enough time, you will retake incorrect problems that day or the next day.

G) You may follow these instructions again if you wish to retake any additional incorrect

problems.

**Exam Closing Dates (Calendar):**

<http://facultyfiles.deanza.edu/gems/desiletslenore/Winter2015AleksCal.pdf>

**Exam Topics:**

<http://facultyfiles.deanza.edu/gems/desiletslenore/114TestTopics.doc>

**2.SUMMARIES:** Before each exam you **MUST** turn in a paper containing at least 3 topics listed under "Summary Topics". You may either write out steps to solve problems, describe a strategy to solve a problem or identify issues that occur when solving these types of problems. The minimum is one page but good students turn in as many pages as needed. You may **NOT** write any examples or use symbols. This means **NOT** writing out the example in words for instance three plus ... is still an example and can not be in a summary. You may not include any formulas. Instead of using 'x' use the word input and 'y' output. Any summaries with symbols or examples will not be counted. Summaries must be turned in before taking the corresponding exam.

**3.GROUP QUIZZES:** There are 6 group quizzes that must be done during a class meeting. You may review, even work on the quiz before coming to class. You must do the quiz with at least one other person during class. You may not use any material (not even a calculator) during the quiz. You may only take a quiz after you have taken notes on either the required mini-lecture or video. Each student must turn in a copy of the quiz solutions showing work. Notes and work must be done neatly to receive any credit. On the day you wish to take the quiz you must print out a **BLANK** copy of the quiz. Quizzes can be printed out under the tab called Resources. Simply go to the folder called Quiz Worksheets. See dates for when Quizzes **CLOSE**.

**4.APPLIED WORKSHEETS:** There are 2 Applied Worksheets, one on drugs in your system using exponential functions and the other on applications of log functions (pH level and dB). These worksheets are due the last day of classes and after you have taken Mod assessments for the 4th exam. These worksheets can be found under the Resources tab in the folder called Applied Worksheets. You may work with one other person and turn in one set of papers per worksheet assignment.

**5.NOTEBOOK:** Your Score on your Notebook will be based on Organization, Neatness, Completeness, Notes on Video or Mini-Lectures.

Your Notebook should be divided into the following categories:

a) Course Material (syllabus, Calendar, Topics)

b) Assessments: Label the Assessment by the Module or Initial Assessment

c) Notes/Quizzes: Notes are from Videos or MiniLectures. Also put your returned Quizzes.

d) Aleks Work - Label the name of the Slice and Topic you are working on.

e) Exam work - Top of page label Exam#, Date, Attempt #

**6.FINAL:** The Final is cumulative and done on Aleks. If you earn 90% or better on each exam you will be given practice exams to help you study for the final. There is only one retake on the final if you have time within the 2 hour time limit. You may take the final even if you do not complete the pie

### **DISTRIBUTION**

Exams Total=200 points (50 points each)

Summaries=40 points (10 each)

Quizzes= 60 points (10 each)

Workheets =40 (20 points each)

Notebook=60 (First 10 pts. = Have one by second week with sections/tabs and neat work.

Final= 900points

### **Grading Scale**

99%-100%=====**A+**

90%-98%=====**A**

89%=====**A-**

86%-88%=====**B+**

80%-85%=====**B**

79%=====**B-**

76%-78%=====**C+**

70%-75%=====**C**

66%-69%=====**D+**

50%-65%=====**D**

49%=====**D-**

<49%=====**F**

**IN THE FIRST 1 WEEK1 IF YOU ARE MORE THAN 10 MIN. LATE TWICE or MISS A CLASS YOU MAY BE DROPPED FROM THE CLASS.**

**If you decide to drop, you should do it on your own to make sure it gets done. DROPPING is your RESPONSIBILITY.**

**Policy on Cheating:** Students who submit the work of others as their own or cheat on exams or other assignments receive a failing grade on that assignment and are reported to college authorities.

**You may access your final grades through MyPortal at the DeAnza website  
[www.deanza.edu](http://www.deanza.edu)**