

De Anza College

Fall 2016**COURSE:** Math 210. - 61 (01607)

College Math Preparation Level 1: Pre-Algebra

DAY: Monday, Wednesday**Office:** Monday, Wednesday: 5:45 pm - 6:15 pm, Room E37**Preferred method of contact:** email.Type: **DeAnza Math 210** in Subject line if you want a reply.**Website:** <http://www.deanza.edu/faculty/tsujichristie/>**The website is the location of all the class information. This is only a summary.****INSTRUCTOR:** Mr. Chris Tsuji**Time:** 6:30 – 8:45 P. M.

5 Units.

ROOM: MCC-12**E-mail:** tsujichristie@fhda.edu**Check** website for additional information about the class.

Objectives: Use of basic arithmetic in application problems, estimation, the real number system, variables and linear equations, graphs of linear equations and the Cartesian coordinate system, the concept of function

Prerequisites: Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

Text: Prealgebra Textbook, Second Edition, Department of Mathematics, College of the Redwoods, 2012-2013.

Book and Solution manual available at: <http://mathrev.redwoods.edu/PreAlgText/>Students can use it **free**: online or download as pdf. Bookstore has books for student purchase (approx. \$30)Other places available: <http://www.lulu.com/shop/college-of-the-redwoods-department-of-mathematics/prealgebra-textbook/paperback/product-20276520.html>Solution manual (Odd-numbered problems): <http://www.lulu.com/shop/college-of-the-redwoods-department-of-mathematics/prealgebra-textbook-solutions-manual/paperback/product-20276549.html>

Materials: Pencil, eraser, paper and graph paper, 3” x 5” cards. No calculators are allowed.

Time commitment: According to the college catalogue, page 34 under Units, “Students should expect two hours of outside preparation for each one hour spent in class.” Since the class meets 4 + hours a week, it is expected a minimum of 8 hours a week should be spent on this class. Mastery of the material should determine by how much time you spend, not the clock.

Attendance: Regular and punctual attendance is expected of each student. Students will be allowed **three absences**. Every absence after the third will result in the deduction of 1 percentage point from your final grade percentage in the class. On the fourth absence, the student should complete the paper work for a drop or a grade of F could be given for the quarter.

Please contact instructor prior to absence if there is an extreme problem. Difficulties that could cause attendance problems should, at your initiative, be discussed with the instructor as early as possible.

If you miss class during the first two weeks, you will be dropped to make room for the wait list students. Add codes will be given on the second-class meeting.

If you decide to discontinue with the course, it is your responsibility to drop. You must officially drop on or before Friday, November 18th. If you are on the final report form, then you will receive a grade. If you miss more than six (6) class meeting, then the instructor has the right to drop you from the class.

It is your responsibility to sign the attendance sheet.

Assignments: All the assignments are on the Internet: MyOpenMath, <https://www.myopenmath.com/index.php>. This is a free site. The name of the course is: Math 210 Fall 2016. The course ID: 12942. The enrollment key: Tsuji Fall 2016

Assignments are to be attempted on a class-to-class basis. Time will be set at the beginning of each class to answer questions from the assignments. Write your question(s) on a 3-inch by 5-inch card and turn in at the beginning of class.

Your assignment score will be the percentage of assignments completed.

One should read the sections in the book that will be covered before class.

The problems assigned are not intended for mastery of the topic. More problems should be done from the book to master the topic of the assignment.

Quizzes: Quizzes will be based on the assignments. You must be in class to take the 'in class' quizzes. Expect a 10-point quiz every time the class meets. You are allowed to miss two 10 point in class quizzes. Take home quizzes will be emailed before each examinations for a review. Each take home quiz is 15 points.

Exams: There will be three exams, each worth 100 points Check the web site for the dates of the exams and other information about the exam.

Final Exam: A comprehensive 200-point **final exam** will be given on Wednesday, **December 14th from 6:15 P.M. – 8:15 P.M.** The final examination must be taken in order to receive a grade.

Make-Up: There are **no** make-ups for missed exams or quizzes. Exams and quizzes missed will be scored 0.

Cheating: Cheating will not be tolerated. If caught, a grade of F will be assigned for the quarter and the division dean will be notified.

Finished: If you leave the classroom after a quiz or exam is distributed, then you are finished.

The use of cell phones, cameras, texting devices or any other **unauthorized electronic** devices are not allowed in class.

Evaluation: Grades will be determined as follows

| | | |
|---------------------|-------------------|---------------------------|
| Exams | 300 points | |
| Quizzes – in class | 160 points | A: 738 - 820 points (90%) |
| Quizzes – take home | 60 points | B: 656 - 737 points (80%) |
| Assignments | 100 points | C: 574 - 654 points (70%) |
| Final Exam | 200 points | D: 492 - 573 points (60%) |
| Total | 820 points | F: 0 – 491 points |

NOTE:

- Be on time.
- Ask questions.
- Start a study group. It helps.
- Do not wait until it is toooooo late. Ask for help.
- There is NO extra credit. Do not ask. Try to obtain the points possible before asking for extra.

Extra help: Free online tutoring available. MyPortal, student tab and Smarthinking link.

- Instructor office hours and other times that can be arranged.

Special, Important Dates:

Saturday, October 8, last day to add.

Sunday, October 9, last day to drop with no grade of record.

Friday, November 18, last day to drop with W.

Wednesday, December 14 from, 6:15 P.M. – 8:15 P.M., Final Examination.

Student Learning Outcomes:

The Mathematics Department at DeAnza College has established the following outcomes for Math 210

Outcome 1: Demonstrate and apply a systematic and logical approach to solving arithmetic and geometric problems.

Outcome 2: Demonstrate and apply the knowledge and skills required to select the correct introductory formulas, procedures, and concepts from algebra and geometry and use them to solve problems

This is a tentative lecture, assignment schedule. The instructor has the right to modify if necessary.

| DUE | | section and problems | | |
|------------|--------|--|---------------------------------------|--------|
| | | Prime, Composite, Divisibility, Square Numbers - website | | |
| | 3-Oct | How to Enter answers in MyOpenMath | | |
| 26-Sep | | 1.1 | Intro to Whole Numbers | |
| | | 1.2 | Add, Subtract - Whole Numbers | |
| | | 1.3 | Multiply, Divide - Whole Numbers | |
| 28-Sep | | 1.4 | Prime Factorization | q1 |
| | | 1.5 | Order of Opeations | |
| | | 1.6 | Solving Equations - Add, Subtract | |
| 3-Oct | | 1.7 | Solving Equations - Multiply, Divide | q2 |
| | | 2.1 | Intro to Integers | |
| | | 2.2 | Add Integers | |
| 5-Oct | | 2.3 | Subtract Integers | q3 |
| | | 2.4 | Multiply, Divide - Integers | |
| | | 2.5 | Order of Opeations - Integers | |
| 10-Oct | 17-Oct | 2.6 | Solving Equations - Integers | q4, h1 |
| | | 3.1 | Mathematical Expression | |
| 12-Oct | | 3.2 | Algebraic Expression - Evaluate | q5 |
| | | 3.3 | Algebraic Expression - Simplifying. | |
| | | 3.4 | Combine Line Terms | |
| 17-Oct | | 3.5 | Solving Equations - Integers - Part 2 | q6 |
| | | 3.6 | Applications | |
| | | 4.1 | Equivalent Fractions | |
| 19-Oct | | Examination 1, chapter 1, 2 | | |
| 24-Oct | | 4.2 | Multiply Fractions | q7 |
| | | 4.3 | Divide Fractions | |
| 26-Oct | | 4.4 | Add, Subtract - Fractions | q8 |
| | | 4.5 | Multiply, Divide - Mixed Fractions | |
| 31-Oct | | 4.6 | Add, Subtract - Mixed Fractions | q9 |
| | | 4.7 | Order of Opeations - Fractions | |
| | | 4.8 | Solving Equations - Fractions | |
| 2-Nov | | 5.1 | Intro to Decimals | q10 h2 |
| | | 5.2 | Add, Subtract - Decimals | |
| | 9-Nov | 5.3 | Multiply - Decimals | |
| 7-Nov | | 5.4 | Divide - Decimals | q11 |
| | | 5.5 | Fractions and Decimals | |
| 9-Nov | | Examination 2, chapter 3, 4, 5 sec 1-3 | | |
| 14-Nov | | 5.6 | Solving Equations - Decimals | q12 |
| | | 5.7 | Intro to Square Roots | |
| | | 5.8 | Pythagorean Theorem | |
| 16-Nov | | 6.1 | Intro to Ratios and Rates | q13 |
| | | 6.2 | Intro to Proportions | |
| 21-Nov | | 6.3 | Unit Conversion - American | q14 |
| | | 7.1 | Percent, Decimals, Fractions | h3 |
| | | 7.2 | Solving Basic Percent Problems | |
| 23-Nov | | 7.3 | General Application of Percent | q15 |
| 28-Nov | | 7.4 | Percent Increase, Decrease | q16 |
| | 30-Nov | 7.5 | Interest | h4 |
| 30-Nov | | Examination 3, chapter 5 sec 4-8, Chapter 6 and 7 | | |
| 5-Dec | | 8.1 | The Cartesian Coordinate System | q17 |
| | | 8.2 | Graphing Linear Equation | |
| | | | Functions - See website for handout | |
| 7-Dec | | Review | | q18 |
| 14-Dec | 14-Dec | Final Examination | | |