

# De Anza College Math 41.25 Fall '15

## Instructor Information

**Name:** Salvador Guerrero      **E-mail:** [guerrerosalvador@fhda.edu](mailto:guerrerosalvador@fhda.edu)

**Office Hours:** Monday/Wednesday 6:20-6:50 in E37

## Course Information

**Title:** Pre-Calculus I: Theory of Functions

**Location and Time:** E36 on Monday/Wednesday 4:00-6:15pm

### Materials:

Text (required): Precalculus with Limits, 3<sup>rd</sup> edition by Larson

Technology (optional): Graphing calculator (TI-84 recommended) or computer based graphing utility.

Note: Technology will not be allowed on any quizzes or exams, it is only recommended for further understanding while completing homework and investigating course material.

### Requisites:

Prerequisite: Mathematics 114 or equivalent (with a grade of C or better); or a satisfactory score on the College Level Math Placement Test within the last calendar year.

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

**Content:** Sections 1.2-1.10, A5-A6, 2.1-2.3, 2.5-2.7, 3.1-3.5, 10.2-10.4

**Description:** This course will provide an in-depth look at polynomial, rational, exponential and logarithmic functions, graphs, solving equations, and conic sections.

**Homework/Participation:** There will be 4 homework assignments which will be collected on the day of each exam. Participation points will be based on attendance and participation in class discussions and group work.

**Quizzes:** Quizzes, based on the homework and suggested problems, will be given periodically. The two lowest quiz scores will be dropped. There are no make-up quizzes.

**Exams:** There will be 3 midterm exams. If it benefits your grade, your lowest exam grade will be replaced by your final exam grade except in the case of cheating. There will be no make-up exams given under any circumstances.

**Final Exam:** A mandatory two hour comprehensive final exam will be administered on Monday December 7, 2015 at 4:00-6:00pm. The final must be taken at the scheduled time. Any student not taking the final will receive a grade of F.

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**Evaluation:** Your course grade will be determined as follows:

Homework/Participation	10/10%	Quizzes	15%
Exams	45%	Final exam	20%

**Letter grades will be assigned as follows:**

If your overall score is at least \_\_\_\_, then your letter grade is \_\_\_\_

97%: A+	92%: A	89%: A-	87%: B+	82%: B
79%: B-	77%: C+	72%: C	69%: C-	60%: D

A student earning less than 60% will receive a grade of F.

**Tentative Schedule:**

	Monday	Wednesday
Week 1	Syllabus, 1.2-1.3	1.4-1.5
Week 2	Quiz 1, 1.6-1.7	1.8-1.9
Week 3	Quiz 2, 1.9-1.10	1.10, review
Week 4	Exam 1, 2.1	2.2-2.3
Week 5	Quiz 3, 2.5	2.6
Week 6	Quiz 4, A6-2.7	2.7, review
Week 7	Exam 2, 3.1	3.2-3.3
Week 8	Holiday	Quiz 5, 3.4
Week 9	3.5, review	Exam 3, 10.2
Week 10	10.2-10.3	Quiz 6, 10.3-10.4
Week 11	Quiz 7	Final Review
Week 12	Final Exam	

**Student Learning Outcomes:**

1. Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.
2. Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.

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## Policies and Resources

**Academic Integrity:** Cheating, plagiarism and other forms of academic dishonesty will not be tolerated. Students are expected to be honest and ethical at all times in their pursuit of academic goals. A Student caught cheating, plagiarizing, or otherwise violating the rules for an assignment will receive a grade of 0 on the assignment in question; repeat offenders will receive a grade of F in the course. In either case, a student may be referred to the Dean for academic discipline. No grade of 0 due to academic dishonesty will be dropped or replaced.

**Classroom Courtesy:** All students are entitled to learn in an environment free from any distraction or disruptions. Your actions towards the instructor and towards your fellow classmates should be respectful at all times. Students who are disrespectful or disruptive can and will be asked to leave. If a student does not leave after being asked, they will be dropped from the course and referred to the Dean. I expect you to arrive to class on time and stay until class is dismissed. Cell phones and other electronic devices must be turned off while class is in session. **Audio/Video recordings of lecture are prohibited.**

**Attendance:** Attendance is required and you are responsible for all material covered in class. If you miss a class, contact a fellow student to find out what was covered. Also:

- Students who remain enrolled in a class beyond the published withdrawal deadline, as stated in the class schedule, will receive an evaluative letter grade in this class.
- It is the student's responsibility to add, drop or withdraw from classes before the deadlines stated in the college catalog. You should contact me before withdrawing.
- It is at my discretion to withdraw a student after the add/drop deadline due to excessive absences.

**Accommodation of Disability:** Students that have any disability, either permanent or temporary, which might affect their ability to perform in this class should contact me immediately. For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) see the contacts below:

- Disability Support Services (DSS): Student Services Building (408)864-8753

- Educational Diagnostic Center (EDC): Learning Center West 110; (408)864-8839. Special Education Division: (408)864-8407; <http://www.deanza.edu/specialed>

**English as a Second Language:** ESL students may use a translator and/or dictionary (print only, to be approved by instructor) during exams and quizzes. Please visit the college's listening and speaking center for further resources <http://www.deanza.edu/studentsuccess/lsc/>