

COURSE: Math 41-28 Precalculus
DAY: TTh
TIME: 4:00 – 6:15 p
EMAIL: isonmillia@fhda.edu

QUARTER: Spring 2018
INSTRUCTOR: Millia Ison
OFFICE PHONE: 864-5659
OFFICE NUMBER: S76e

OFFICE HOUR : MTWTh: 6:20 – 7:10p

COURSE PREREQUISITES: Math 114 or equivalent course with a grade a "C" or better.

TEXT: Precalculus With Limits by Ron Larson, 3rd edition.

ENROLL WEB ASSIGN : Class code: **deanza 9545 4127**

EQUIPMENT: A computer is required.

GRADING:

| | | |
|----------------------------|---------------------------------|--------------------------------|
| WebAssign -----80 points | A: 93% - 96 % , 558 - 600 pts | C+: 76% - 79 % , 456 - 479 pts |
| 12 quizzes -----70 points | A- : 90% - 92 % , 540 - 557 pts | C: 70 % - 75 % , 420 - 455 pts |
| 3 midterms --- 300 points | B+: 87% - 89 % , 522 - 539 pts | D: 60 % - 69 % , 360 - 419 pts |
| Final exam ---- 150 points | B: 83% - 86 % , 498 - 521 pts | F: 0 % - 59 % , 0 - 359 pts |
| Total ----- 600 points | B-: 80% - 82 % , 480 - 497 pts | |

QUIZZES: TuTh, 6 points each quiz.

MIDTERM EXAMS: Wednesdays. (100 points each). Scheduled dates are subject to change.
Please see the next page calendar.

FINAL EXAM: **Thursday, June 28**, 4:00 – 6:00 p
Fail to take the final exam, you will receive “F” for your grade.

IMPORTANT NOTES :

- No make-ups for quizzes. Absences are counted as 0's. your lowest quiz grade will be dropped.
- No make-up midterm exams. Absences are counted as 0's. For special circumstances, the percent of your final exam score will be replaced for the missed midterm exam. You must contact me before or on the day of the exam.
- See the other side for the homework assignment. Exams and quizzes are to test your understanding of the classroom discussions and homework assignments. Cheating of any form on quizzes, midterm exams or final exam will be grounds for disciplinary action.

IMPORTANT DATES: Sunday, April 22 --- Last day to drop without grade on your record.
Friday, June 1 --- Last day to drop with a "W".

ATTENDANCE: Regular attendance is required. Frequent absences will result in a “W” or “F” for the class. The last day for you to drop the class is **June 1**. After that day, you will receive a grade.

| Chapter | SEC | Topics | | Monday | Tuesday | Wednesday | Thursday | Friday |
|--|------|--|-------|----------------------|-----------|-----------------------------|---------------|----------------------|
| Appendix | 5, 6 | Solving Equation/Inequalities | April | 9 | 10 | 11 | 12 | 13 |
| Functions and Their Graphs | 1.2 | Graphs of Equations | | | A5, A6 | | A6, 1.2 | |
| | 1.3 | Linear Equations of Two Variables | | | | | | |
| | 1.4 | Functions | April | 16 | 17 | 18 | 19 | 20 |
| | 1.5 | Analyzing Graphs of Functions | | | 1.2, 1.3 | | 1.3, 1.4 | |
| | 1.6 | A library of Parent Functions | | | | | | |
| Polynomial and Rational Functions | 1.7 | Transformation of Functions | April | 23 | 24 | 25 | 26 | 27 |
| | 1.8 | Composite of Functions | | | 1.5,1.6 | | 1.7,1.8 | |
| | 1.9 | Inverse Functions | | | | | | |
| | 1.10 | Mathematical Modeling and Variations | April | 30 | 1 | 2 | 3 | 4 |
| Exponential and Logarithmic Functions | 2.1 | Quadratic Functions and Models | May | | 1.9, 1.10 | | Review Exam 1 | |
| | 2.2 | Polynomial Functions of Higher Degree | | | | | | |
| | 2.3 | Polynomial and Synthetic Division | May | 7 | 8 | 9 | 10 | 11 |
| | 2.4 | Complex Numbers | | | 2.1, 2.2 | | 2.2, 2.3 | |
| | 2.5 | Zeros of Polynomial Functions | | | | | | |
| Topics in Analytic Geometry | 2.6 | Rational Functions | May | 14 | 15 | 16 | 17 | 18 |
| | 2.7 | Nonlinear Inequalities | | | 2.4, 2.5 | | 2.5, 2.6 | |
| | 3.1 | Exponential Functions and Their Graphs | | | | | | |
| | 3.2 | Logarithmic Functions and Their Graphs | May | 21 | 22 | 23 | 24 | 25 |
| | 3.3 | Property of Logarithms | | | 2.7 | | Review Exam 2 | |
| All homework assignments and due dates are listed on WebAssign. These are the least amount of exercises you need to do. If you don't master the material well afterdoing WebAssign, work with more of the similar problems in the text. | 3.4 | Exponential and Logarithmic Equations | May | 28 | 29 | 30 | 31 | 1 |
| | 3.5 | Exponential and Logarithmic Models | | | | | | |
| | 10.2 | Introductions to Conics: Parabolas | | Memorial Day Holiday | 3.1 | | 3.2 | last day to drop w/W |
| | 10.3 | Ellipses | May | 4 | 5 | 6 | 7 | 8 |
| All homework assignments and due dates are listed on WebAssign. These are the least amount of exercises you need to do. If you don't master the material well afterdoing WebAssign, work with more of the similar problems in the text. | 10.4 | Hyperbolas | June | | 3.2, 3.3 | | 3.3, 3.4 | |
| | | | June | 11 | 12 | 13 | 14 | 15 |
| | | | June | 18 | 19 | 20 | 21 | 22 |
| | | June | 25 | 26 | 27 | 28 | 29 | |
| | | | | | | Final 4:00–6:00 p | | |

Student Learning Outcome(s):

*Investigate, evaluate, and differentiate between algebraic and transcendental functions in their graphic, formulaic, and tabular representations.

*Synthesize, model, and communicate real-life applications and phenomena using algebraic and transcendental functions.