| Rudolf | Math 41.63 | Winter 2018 |
|---|---|---|
| G5 | Syllabus | 6:30 – 8:45 pm |

**Required text:** Precalculus with Limits, 3rd Edition, Larson, Ron et.al, Brooks/Cole, Belmont, CA. 2014

**Calculator:** A graphing scientific calculator is required. (TI-84 is recommended.) You cannot share them, and you may not use a cell phone or any other device. **Bring your calculator to class every day.**

**Office Hours:** Tuesday and Thursday 5:25 – 6:15 pm in S-43

**E-mail address:** hrudolf@presidiotrust.gov

**Attendance:** You are expected to attend class every day. Material not discussed in the text may be covered.

**Adding:** You must add by the **end** of the 2nd week of class (Saturday, January 20th). After that, I will not allow you to add.

**Dropping:** It is your responsibility to drop the course on or before Friday, March 2nd if you decide to discontinue the course. If you are on my final roster, I have to give you a grade.

If you miss an exam or the two quizzes before the drop date, and you don't make them up, it will be at my discretion to drop you.

**Prerequisite:** Math 114 (Intermediate Algebra) or its equivalent with a grade of C or better, or the Math Placement Exam with a qualifying score within the last calendar year.

**Course content:** Course topics will include four chapters in the book:

Chapter 1, Functions and Their Graphs,
Chapter 2, Polynomial and Rational Functions,
Chapter 3, Exponential and Logarithmic Functions
Chapter 10, Topics in Analytical Geometry

**Grading:** Your grade will be based on the following:

| | |
|---|---|
| 2 quizzes | 50 points |
| 3 exams | 300 points |
| 1 final exam | 150 points |
| | 500 points |

The grading scale is as follows:

| Percentages | Total Points | Grade |
|---|---|---|
| 88 – 100 | 440 – 500 | A |
| 76 – 87 | 380 – 439 | B |

| | | |
|---|---|---|
| 66 – 75 | 330 – 379 | C |
| 56 – 65 | 280 – 329 | D |
| Below 56 | < 280 | F |

**Testing:**  You are allowed **one** "excused" absence (i.e. illness, car trouble) on a day of a quiz or an exam. It will be your responsibility to notify me via e-mail before 3:00 pm the day of the next class period to make arrangements to make-up the quiz or exam. You must take your make-up quiz or exam during the next class period after it was originally scheduled.

If you don't show up to take the make-up, you will get a zero and it will count as your make-up.

**You may not use your make-up privilege for the final exam!**

If you know in advance that you will not be here for an exam, I will allow you to take the test early as long as you give me 2 class days advanced notice. If you take the exam early, it will not count as a make-up. (See the calendar for quiz and exam dates.)

**All quizzes and exams are closed book.** A cheat sheet, 8 ½ x 11 inches, will be allowed for the final exam. The final exam will be comprehensive.

**Testing Material:**

| Quiz/Exam # | Sections Covered |
| --- | --- |
| Quiz #1 on Chapter 1 | Sections 1.2 – 1.5 |
| Chapter 1 Exam | Sections 1.2 – 1.10 |
| Quiz #2 on Chapter 2 | Sections 2.1 – 2.4 |
| Chapter 2 Exam | Sections 2.1 – 2.7 |
| Chapter 3 Exam | Sections 3.1 – 3.5 |
| Chapter 10 (Tested on Final Exam) | Sections 10.2 – 10.4 |

**Testing Rules:**
1) If you come in late for an exam or a quiz, you lose the time.
2) A wrong answer for a problem cancels out a right answer.
3) Scratch paper will be provided for the exams and the final exam, but not for the quizzes.

**Handouts:** The chapter outline packets will be e-mailed to you the day prior to the day we start that particular chapter in lecture. Be sure to print it out and bring it to class. The packets also include copies of the transparencies that I will use in lecture and not having those transparencies in front of you during lecture will put you at a disadvantage.

**Homework:** Homework will be assigned at the beginning of each chapter and can be found at the end of each packet. The answers to the text problems can be found in the back of the book. Additional problems covering material not presented in the text will be assigned as well, and the answers to these problems will be given to you. It is highly recommended that you do the homework. Many problems will be assigned to allow you to practice, and for that reason, the homework will be **non-collectable**.

**Electronics:** Cell phones must be turned off or set for vibration only. Do not answer your phone and have a conversation in class!

If you have to take a call, then you need to leave the classroom and have the conversation far away from the classroom.

**Comments:**  1)    If I catch you cheating, you will be dropped from the course.

                     2)    Don't ever e-mail me asking me for your grade on a quiz, an exam, the final or the class.

                     3)    Make sure your De Anza e-mail in My Portal is current.

                     4)    If you have any learning disabilities, please make sure you talk to me ASAP and that you provide me with all of the appropriate paperwork and I will make accommodations for you.

**<u>Student Learning Outcome(s):</u>**

*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.