Mathematics Department
Physical Sciences, Mathematics, & Engineering Division
Math 31: Precalculus I (Section 22)
Syllabus
Winter 2021

**Instructor**: Ms. Jennifer gutierrez

**Office Hours**: Mondays & Wednesdays 5:00 – 5:40 pm
Tuesdays & Thursdays 4:00 – 5:00pm

**Email**: gutierrezjennifer@fhda.edu

**Office**: Zoom call

**Required Materials**:
(1) *Precalculus* on OpenStax. Download for free at https://openstax.org/details/books/precalculus.
(2) MyOpenMath account- a free online homework platform at https://www.myopenmath.com/.
    The Course ID is **96348** & the Enrollment Key is **wumbo**.
(3) Basic scientific calculator such as Texas Instruments TI30XIIS or https://www.desmos.com/scientific.
(4) Scanner such as CamScanner app, Genius Scan app, a printer, or any other scanning application/ device.

**Course Description**: This course covers polynomial, rational, exponential & logarithmic functions, graphs, solving equations, conic sections, systems of equations & inequalities, sequences & series.

**Course Structure**: This course will be meeting synchronously over Zoom. In other words, class attendance & participation are **mandatory**. The instructor will provide blank lesson notes, which are to be filled out during our class Zoom class meetings. We will be meeting during the scheduled days & times, i.e. Tuesdays & Thursdays 01:30pm – 03:45pm.

**Student Mentality**: Students are highly encouraged to come into this course with a new mindset! This means that students are encouraged to leave behind any prejudice or previous bad experience with math & begin this course with a positive attitude. Furthermore, a good student will ask questions, seek help, & be proactive with their education, in this class, & all other courses.

**Instructor Commitment**: My goal in this class is to create a welcoming environment for all students. I will assist students with the content as well as strongly encourage students to ask questions & seek help when needed!

**Communication**: The instructor will communicate via email &/or thru Canvas. It is essential to check your email frequently & be aware of any communication posted or sent in Canvas. When emailing the instructor, please write in the email's subject line both the course name & the email's subject. For example, Math 31- Homework Help.

Students can update notification settings following these steps: log into Canvas → go to Account → go to Notifications & adjust your Notification Preferences so that you have selected "Notify me right away" for Announcement, Submission Comment, Discussion Post and Conversation Message. The other notification settings are up to you.

**Course Evaluation**:

| | | | |
|---|---|---|---|
| (1) Homework | 15% | (4) Three Exams | 45% |
| (2) Class Prep | 10% | (5) Final Exam | 20% |
| (3) Quizzes | 10% | | |

**Homework (HW)**: Every lecture will have homework, which will be assigned in MyOpenMath. Occasionally, you may be asked to do a "paper" homework assignment. & every so often, you may be asked to show your work for the problems in the homework.

Homework assigned on Tuesday is due Thursday at midnight. Homework assigned on Thursday is due Sunday at midnight. You should aim to do much of the homework the day it is assigned.

**Class Prep (CP)**: Class prep may refer to either a reading assignment &/or completing a short worksheet. The purpose of class prep act is to introduce the lesson of the day. They are to be completed **<u>before</u>** we meet for class as they will serve as a foundation to the new material that will be discussed in the day's lesson. The details & instructions will be posted in Canvas.

**Quizzes**: Quizzes will be assigned on the weeks scheduled in the calendar below. These quizzes will be collaborative with groups of 3-4 students. Credit on quizzes will be heavily awarded to properly written solutions, not just correct final answers. Quizzes will have a time limit. Late quizzes are **<u>not</u>** accepted.

**Exams**: Exams will be assigned on the days scheduled in the calendar below. Exams will have a time limit. Late exams are **<u>not</u>** accepted.

**Final Exam**: The final exam will be administered during finals week. The final exam is comprehensive. If you do not take the final exam, you will **<u>not</u>** receive a passing grade.

**Grading System**:

| | |
|---|---|
| A | $94\% \leq x$ |
| A- | $90\% \leq x < 94\%$ |
| B+ | $87\% \leq x < 90\%$ |
| B | $83\% \leq x < 87\%$ |
| B- | $80\% \leq x < 83\%$ |
| C+ | $77\% \leq x < 80\%$ |
| C | $70\% \leq x < 77\%$ |
| D | $60\% \leq x < 70\%$ |
| F | $x < 60\%$ |

**Academic Integrity**: Academic dishonesty will not be tolerated. Students are not to copy, cheat, forge, nor obtain an unfair advantage with any assignment in this course. Appropriate actions will be pursued in suspicion of academic violations. For more information, read https://www.deanza.edu/policies/academic_integrity.html.

**Disability Accommodations**:
"Students who have been found to be eligible for accommodations by Disability Support Services (DSS), please follow up to ensure that your accommodations have been authorized for the current quarter. If you are not registered with DSS and need accommodations, please go to the DSS office in the Registration & Student Services Building (RSS) – Room 141 for information on eligibility and how to receive support services. You can also go online to https://www.deanza.edu/dsps/ (Links to an external site.) for additional information."

**Recording Policy**:
"To ensure compliance with the Family Education Rights and Privacy Act (FERPA), student recording of class lectures or other activities is generally prohibited without the explicit written permission of the instructor and notification of other students enrolled in the class section. Exceptions are made for approved accommodations under the Americans with Disabilities Act."

|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |
|---|---|---|---|---|---|
| **1** | 01/04 | 01/05<br>Lecture:<br>~ 1.1, 1.2<br><br>Homework:<br>~ Syllabus Quiz (due 01/05, 11:59pm)<br>~ Create groups of 3-4 students (due 01/05, 11:59pm) | 01/06 | 01/07<br>Lecture:<br>~ 1.3, 1.4<br>~ **Quiz 1**<br><br>Homework: | 01/08 |
| **2** | 01/11 | 01/12<br>Lecture:<br>~ 1.5, 1.6<br><br>Homework: | 01/13 | 01/14<br>Lecture:<br>~ 1.7, 2.1<br>~ **Quiz 2**<br><br>Homework: | 01/15 |
| **3** | 01/18<br><br>**Martin Luther King Day** | 01/19<br>Lecture:<br>~ 2.2, 2.3<br><br>Homework: | 01/20 | 01/21<br>Lecture:<br>~ 3.2<br>~ **Quiz 3**<br><br>Homework: | 01/22 |
| **4** | 01/25 | 01/26<br>Lecture:<br>~ 3.3, 3.4<br><br>Homework: | 01/27 | 01/28<br>Lecture:<br>~ 3.5<br>~ **Exam 1**<br><br>Homework: | 01/29 |

| 5 | 02/01 | 02/02<br>Lecture:<br>~ 3.6, 3.7<br><br>Homework: | 02/03 | 02/04<br>Lecture:<br>~ 3.8, 3.9<br>**~ Quiz 4**<br><br>Homework: | 02/05 |
|---|---|---|---|---|---|
| 6 | 02/08 | 02/09<br>Lecture:<br>~ 4.1, 4.2<br><br>Homework: | 02/10 | 02/11<br>Lecture:<br>~ 4.3, 4.4<br>**~ Quiz 5**<br><br>Homework: | 02/12 |
| 7 | 02/15<br><br>**President's Day** | 02/16<br>Lecture:<br>~ 4.5, 4.6<br><br>Homework: | 02/17 | 02/18<br>Lecture:<br>~ 4.7<br>**~ Exam 2**<br><br>Homework: | 02/19 |
| 8 | 02/22 | 02/23<br>Lecture:<br>~ 9.1, 9.2<br><br>Homework: | 02/24 | 02/25<br>Lecture:<br>~ 9.3<br>**~ Quiz 6**<br><br>Homework: | 02/26 |
| 9 | 03/01 | 03/02<br>Lecture:<br>~ 9.6<br><br>Homework: | 03/03 | 03/04<br>Lecture:<br>~ 10.1, 10.2<br>**~ Quiz 7**<br><br>Homework: | 03/05 |

| 10 | 03/08 | 03/09<br>Lecture:<br>~ 10.3, 10.4<br><br>Homework: | 03/10 | 03/11<br>Lecture:<br>~ 11.1<br>**~ Exam 3**<br><br>Homework: | 03/12 |
|---|---|---|---|---|---|
| 11 | 03/15 | 03/16<br>Lecture:<br>~ 11.2, 11.3<br><br>Homework: | 03/17 | 03/18<br>Lecture:<br>~ 11.4<br>**~ Quiz 8**<br><br>Homework: | 03/19 |
| 12 | 03/22 | 03/23<br><br>**Final Exam<br>1:45 – 3:45pm** | 03/24 | 03/25 | 03/26 |

**Note**: The instructor reserves the right to modify the syllabus & the schedule accordingly. Any changes made will be communicated via email & posted on Canvas. All times listed on this syllabus are in Pacific Standard Time.

**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.