MATH 31 – 20 Precalculus I

Asynchronous Learning on Canvas

Online (Canvas) CRN: 37509

Instructor: Nahrin Rashid

Email: rashidnahrin@fhda.edu or Canvas Inbox

Weekly in-person meetings: Monday & Wednesday 1:30 – 3:45 PM Room MLC270

Office hours via Zoom: Monday 4:45 PM to 8:00 PM or by appointment

---

Support: It can be frustrating when you need help, so please know that I am here to help you manage challenges and any frustration you may experience with the course. Please maintain close contact with me and I will do my best to support you.

How to reach out: If you have a question, the quickest and easiest way to contact me is via the Canvas inbox or email me rashidnahrin@fhda.edu. If you email me during my online office hours, I'll try to respond immediately. If you email me outside of my office hours, then I'll try to respond to you within 48 hours. From our course, click on "Inbox" in the left global navigation menu to access your Canvas conversations.

Tutoring Services:

On Campus in S-43 (MATH course tutoring only)

- Monday through Thursday 9am to 6pm
- Friday, Saturday and Sunday CLOSED

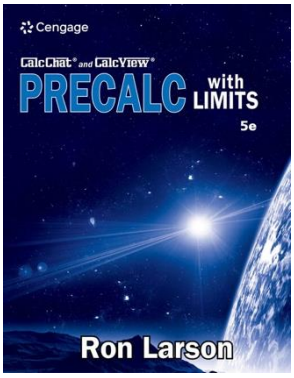
On Zoom Peer Tutoring

- Monday through Thursday 9am to 6pm
- Friday 9am-12:30pm
- Saturday and Sunday CLOSED

For drop-in tutoring outside these hours please use our online tutoring vendors (24/7 for most subjects)

Prerequisite: Math 109, 114 or 130 or placement

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



Textbook: Precalculus with Limits; 5th edition by Ron Larson bundle with Webassign access code.

Calculator: A basic scientific calculator is required for this class such as Texas Instruments TI30XIIS Scientific Calculator or online app, such as the one at https://www.desmos.com/scientific.

Software: All homework/quizzes will be done online using WebAssign which is an internet-based software. You will need to register at www.webassign.net to use this internet-based software. You will need the class key given by me in order to self-register. **Class key for WebAssign: deanza 5206 6201**

Discussion on Canvas: Post and answer questions in Canvas weekly discussion boards. These discussions will count for 5% of your grade.

Homework: Plan to log in to WebAssign daily. Homework will be assigned weekly and will have a due date. All homework must be submitted by 1:00 PM on the due date. You must set up an account by Friday, April 12 or you will be dropped from the class**.** If you have a homework problem you are not able to complete, you can send me your questions on WebAssign by clicking on "Ask my teacher". At the end of the quarter your lowest homework score will be dropped. Homework will count for 15% of your term grade. Please do not procrastinate! You can request extension on the homework up to five times during the quarter. **Class key for WebAssign: deanza 5206 6201**

Quizzes: There will be a quiz every week via WebAssign assigned intermittently throughout the term to test your skills on the concepts we are covering in class and online. Once you start the quiz, you will have 1 hour to complete it, and you will get two attempts on each quiz. **NO** make-up quiz will be given. These quizzes will count for 20% of your grade.

Midterms: There will be four proctored exams during the quarter in-person on WebAssign. Once you start the exam, you will have 2 hours to complete it. These exams will be completed during the class in computer Lab S44 and will contain the materials covered in the lectures, online, and in the book. If you are unable to take an exam for any reason, a makeup exam will not be given. To compensate for this, I will drop your lowest exam score. These exams will count for 40% of your term grade.

Final Examination: If you do not take the final exam, you WILL NOT receive a passing grade. There will be a proctored comprehensive final examination on **Monday, June 24, 1:45 to 3:45 PM in computer lab S44**. This test will count for 20% of your term grade.

Accessibility Accommodations: If you have a documented disability and wish to discuss academic accommodations, or if you would need assistance in the event of an emergency evacuation, please inform me as soon as possible.

Student Conduct: You are expected to be honest and ethical at all times in the pursuit of academic goals. When completing your work on an assignment or in taking a test, be sure to do your own work. Copying or using another person's work is plagiarism or cheating, so please be sure to submit your own work. Anyone caught cheating on an exam will receive an automatic 0 and be reported to the Dean of the PSME Division.

Important Dates

- The last day to add and drop with refund and without a “W” is Sunday, April 21.
- Memorial Day Weekend - no classes, offices closed, May 25 – 27
- The last day to drop classes with a “W” is Friday, May 31.
- Juneteenth Holiday - no classes, offices closed, Wednesday, June 19.
- Last day to request “Pass/No Pass” is the last day the class meets for the term.
- Final Exam Week – June 24 - 28.

Grade Breakdown

A+: 99% and above	**B+: 87 - 89%**	**C+: 77 - 79%**	**D: 63 - 66%**
A: 93 - 98%	**B: 83 - 86%**	**C: 70 - 76%**	**D-: 60 - 62%**
A-: 90 - 92%	**B-: 80 - 82%**	**D+: 67 - 69%**	**F: < 60%**

Tentative Schedule for Math 31, Spring 2024

Week 1	**Appendix A.4*, Appendix A.2 , Appendix A.5**
Week 2	**Section 1.2, Section 1.3*, Section 1.4**
Week 3	**Section 1.5, Section 1.6, Section 1.7** **Exam 1: Wednesday, April 24 (Section A.2, A.5, 1.2, 1.3, 1.4, 1.5, 1.6) in computer lab S44**
Week 4	**Section 1.8, Section 1.9, Section 1.10***
Week 5	**Section 2.1*, Section 2.2*, Section 2.3***
Week 6	**Section 2.4*, Section 2.5*** **Exam 2: Monday, May 13 (Section 1.7, 1.8, 1.9, 1.10, 2.1, 2.2, 2.3) in computer lab S44**
Week 7	**Section 2.6*, Section 2.7, Section 3.1**
Week 8	**Section 3.2, Section 3.3, Section 3.4** **Exam 3: Wednesday, May 29 (Section 2.4, 2.5, 2.6, 2.7, 3.1, 3.2, 3.3) in computer lab S44**
Week 9	**Section 3.5*, Section 7.3, Section 7.5**
Week 10	**Section 9.1, Section 9.2, Section 9.3**
Week 11	**Section 10.2*, Section 10.3*, Section 10.4*** **Exam 4: Monday, June 17 (Section 3.4, 3.5, 7.3, 7.5, 9.1, 9.2, 9.3) in computer lab S44**
Week 12	**Finals Week** **Final Exam: Monday, June 24 1:45 to 3:45 (Comprehensive) in computer lab S44**

This syllabus is subject to change at the instructor's discretion.

Appendix A4 Review as needed
1.3 Include applications
1.10 Variation is required, modeling is optional
2.1, 2.2, 2.5, 2.6 Include applications
2.3, 2.4 Cover only what I needed for FTA
3.5 Growth, decay, and logarithmic models are required. Other models are optional
10.2, 10.3, 10.4 include applications

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.

Office Hours:

M	04:40 PM	08:00 PM	Zoom