MATH 1A, Calculus, Fall 23

Email: kapurrenuka@fhda.edu

Campus Class Meeting Time: Monday and Wednesday from 1:30pm - 3:45pm in **S-42**
Zoom Class Meeting Time: Tuesday and Thursday from 1:30pm - 3:45pm

Prerequisite: Appropriate score on Calculus Placement Test within the past calendar year; or Mathematics 43 with a grade of C or better.

Course Description: Fundamentals of differential calculus.

Textbook: *Calculus Early Transcendentals;* 9th edition, by James Stewart, bundle with WebAssign access code. The eBook with WebAssign can be purchased for $60 directly through the link provided in Canvas.

Tutoring Services: Do not wait to get extra help. Contact me or tutoring to get help!

"To Do List"

Read the Announcements in Canvas. This should be a daily habit!

Remind:
Download the Remind App on your mobile. FREE
Send a text to 81010.
Text this message: @6bg8cd
Once the message is sent, you will get help with how to join REMIND
This texting application will allow you to contact me or any others in the class. It is free and your phone number will remain private. I will disable it at the end of the quarter.

Calculator:
A basic scientific calculator is required for this class such as Texas Instruments TI30XIIS Scientific Calculator. TI-83 Plus/TI-84 Plus calculator recommended but not allowed on Exams. This can be a physical or an online app, such as the one at https://www.desmos.com/scientific.
You can also go to the Canvas page for the course and look at the Module titled, **"**Technology Links

3.**WebAssign**:
Homework, Quizzes, Tests and Final exam are taken on WebAssign, which is an internet-based software.
Scroll down the Canvas homepage and click on:
CLICK ON: INSTRUCTIONS FOR WEBASSIGN REGISTRATION.
Follow the instructions on that page.
(Another way: CLICK ON Modules on the left side of the Canvas homepage)

Contact me: Texting, Email or Zoom. Set up a Zoom meeting if you need to meet with me.

Attendance: It is best to attend class. If you are unable to come to class, watch the videos that are posted.

Drop Policy: It is the student's responsibility to drop the course. You must come to every class for THE FIRST TWO WEEKS OF CLASS or you will be dropped. To avoid being dropped - If you are missing class during the first 2 weeks, email me and let me know. If you miss taking tests and a lot of the assignments, you may be dropped.

WEBASSIGN SUBMISSIONS

Click the Submit key at the bottom of each assignment to submit. No Canvas submission for it.

Homework (17%): Plan to log in to WebAssign daily. All homework must be submitted by 11:59 PM on the due date**.** 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 instructor". **No extensions are allowed**. To compensate for this, I will drop your lowest 5 homework scores.

Group Quizzes (16%): Quiz groups of usually 3 students. Each group has 45 minutes to complete the quiz. There are usually two attempts for each question. **NO make-up quiz** will be given. To compensate for this, I will drop your lowest quiz score.

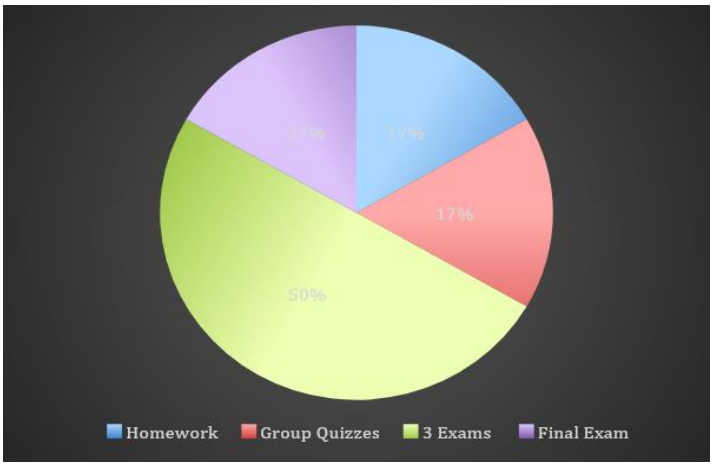
Exams (50%): There will be four exams during the quarter on WebAssign. You have 1:30 hours to complete the Test. **NO make-up Test** will be given. To compensate for this, I will drop your lowest exam score. Read about the Handwritten submission for each exam in the CANVAS SUBMISSION section.

Final Examination (17%): If you do not take the final exam, you **WILL NOT** receive a passing grade. **There will be a comprehensive final examination.**
WEBASSIGN FINAL EXAM DATE: TUESDAY, DECEMBER 12TH: 1:45pm to 4:15pm.

CANVAS SUBMISSION

The work for the 4 Exams needs to be handwritten and uploaded on Canvas. ALL the appropriate STEPS to get to the final answer input in WebAssign need to be shown for full credit. It needs to be well organized, neat and very legible! This counts for about 20% of your grade of each Exam. The key for the Exam is published after the exam window is expires. Then you can see the Exam questions and answers. Use that to show your work.

Grade	Percent
A+	$score \geq 97.5\%$
A	$92.5\% \leq score < 97.5\%$
A-	$90\% \leq score < 92.5\%$
B+	$87.5\% \leq score < 90\%$
B	$82.5\% \leq score < 87.5\%$
B-	$80\% \leq score < 82.5\%$
C	$65\% \leq score < 72.5\%$
C+	$72.5\% \leq score < 80\%$
D	$55\% \leq score < 60\%$
D-	$50\% \leq score < 55\%$
F	$score < 50\%$



Tentative Schedule for Math 1A *(Subject to change)*
The course material is subject to change at the instructor's discretion.

Week 1	**Section 2.1, Section 2.2, Section 2.3**
Week 2	**Section 2.3, Section 2.5, Section 2.6*** **Quiz 1 (2.1, 2.2, 2.3)**
Week 3	**Section 2.7, Section 2.8** **Quiz 2 (2.5, 2.6, 2.7)**
Week 4	**Section 3.1, Section 3.2, Section 3.3** **Exam 1: Section 2.1, 2.2, 2.3, 2.5, 2.6, 2.7, 2.8**
Week 5	**Section 3.4, Section 3.5** **Quiz 3 (2.8, 3.1, 3.2, 3.3, 3.4)**
Week 6	**Section 3.6, Section 3.9**
Week 7	**Section 3.10, Section 4.1, Section 4.2** **Quiz 4 (3.5, 3.6, 3.9, 3.10)**
Week 8	**Section 4.3, Section 4.4** **Exam 2: Section 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.9, 3.10** **Quiz 5 (3.9, 3.10, 4.1)**
Week 9	**Section 4.5, Section 4.7** **Exam 3: Section 3.6, 3.9, 3.10, 4.1, 4.2, 4.3**
Week 10	**Section 4.8, Section 4.9** **Quiz 6 (4.1, 4.2, 4.3, 4.4)**
Week 11	**Section 10.1, Section 10.2** **Exam 3: Section 4.1, 4.2, 4.3, 4.4, 4.5, 4.7, 4.8, 4.9**
Week 12	**Comprehensive Final Exam:** **TUESDAY, DECEMBER 12th TIME: 1:45pm to 4:15pm.** **The time for the final is fixed. This is the time to take the exam!!**

2.6 "precise definition" is optional; 10.2* cover differentiation only*

CANVAS: *We'll be* ***using CANVAS to manage our course. Our Canvas page contains all the class information, campus help, and tutoring help for our class.***
Do not hesitate to contact me by texting, email or a Zoom chat.
Good communication with me (text, talk, email) leads to less stress and thereby a happy student.

Student Learning Outcome(s):

• Analyze and synthesize the concepts of limits, continuity, and differentiation from a graphical, numerical, analytical and verbal approach, using correct notation and mathematical precision.
• Evaluate the behavior of graphs in the context of limits, continuity and differentiability.
• Recognize, diagnose, and decide on the appropriate method for solving applied real world problems in optimization, related rates and numerical approximation.

Office Hours:

M,W	06:15 PM	07:15 PM	Zoom