MATH 1A **Calculus** **Fall 22**
Email: kapurrenuka@fhda.edu **Instructor: Renuka Kapur**

Campus Class Meeting Time: Tuesday and Thursday from 6:30pm - 8:45pm in **S-42** (changed from G5)

Contact me: Text, Email or ZOOM OFFICE HOURS. Set up a Zoom meeting when cannot make it to office hours!

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

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 I will provide.

"To Do List"

1. FREE:
Download the Remind App on your mobile.
Send a text to: 81010.
Text this message: @b3eh77f
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.

2. **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.
Cost for WebAssign is about $60.

(Another way: CLICK ON Modules on the left side of the Canvas homepage)

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.

Grades:

Homework (16.67%): 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". **The lowest 5 homework scores will be dropped.** No extensions allowed, since the 5 lowest scores are dropped.

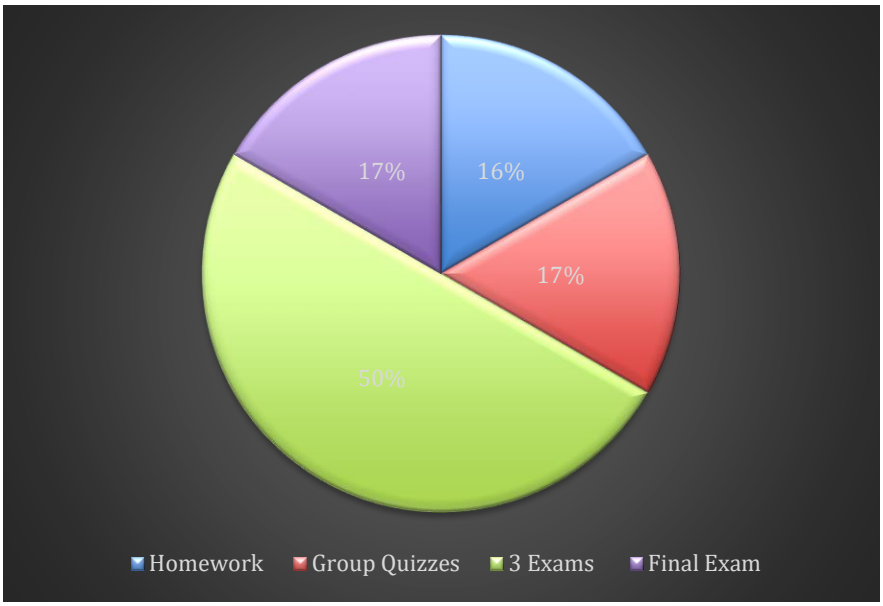
Group Quizzes (16.67%): There will be a quiz every week via WebAssign assigned intermittently throughout the term to test your skills on the concepts we are covering in class. Once you start the quiz, your group will have 1 hour to complete it, and you will get two attempts on each quiz. **NO make-up quiz** will be given. To compensate for this, **I will drop your lowest quiz score**.

Midterms (50%): There will be four exams during the quarter on WebAssign and Canvas. Each exam will have two parts: an online portion through WebAssign and a handwritten portion which you will upload to Canvas (Due 24 hours after the online Exam is due). Once you start the online portion of the exam, you will have 2 hours to complete it. These exams will be completed online 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**.

Final Examination (16.67%): If you do not take the final exam, you **WILL NOT** receive a passing grade. **There will be a comprehensive final examination. Can be taken from home or college.** **WEBASSIGN FINAL EXAM DATE: THURSDAY, DECEMBER 15TH: 6:30 pm to 10:30pm.**

(The course material is subject to change at the instructor's discretion)

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+	$72.5\% \leq score < 80\%$
C	$65\% \leq score < 72.5\%$
D+	$60\% \leq score < 65\%$
D	$55\% \leq score < 60\%$
D-	$50\% \leq score < 55\%$
F	$score < 50\%$



Tentative Schedule for Math 1A *(Subject to change)*

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	**Final Exam: Comprehensive** **THURSDAY, DECEMBER 15th** **TIME: 6:30pm to 10:30pm.** **The time for the final is fixed. This is the window to take the exam!!**

2.6 "precise definition" is optional*

10.2* cover differentiation only

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:

Zoom	W,M	06:00 PM	07:15 PM