MATH 12 **Business Calculus**

Email: kapurrenuka@fhda.edu **Instructor: Renuka Kapur**

Zoom Class Time: Tuesday and Thursday at 6:30 pm. Look at our Canvas Homepage for details.

Zoom Office Hours: Posted on the Canvas Homepage

Contact me: Text, Email or ZOOM OFFICE HOURS. Password is on the Canvas Homepage

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

Prerequisite: Math 31, 31H, 41 or 41H.

Course Description: Introduction to limits, differentiation and integration of single variable functions; differentiation of multivariate functions; applications: tangents, extrema, area, others; various business applications.

E-Book/ Textbook: Applied Calculus for Managerial, Life, and Social Science, 10th edition, by Soo T. Tan

Drop Policy: It is the student's responsibility to drop the course. If you miss taking tests and assignments, you may be dropped.

"To Do List"

1. FREE:
Download the Remind App on your mobile.
Send a text to: 81010.
Text this message: @e89k22f
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 can be used. Calculator. TI-83 Plus/TI-84 Plus calculator recommended. This can be a physical or an online App. You can download Desmos App. This will be very useful.
Or 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
(Another way: CLICK ON Modules on the left side of the Canvas homepage)
Cost for WebAssign with the E-Book is about $111.

GRADES:

Homework (16%): 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 cannot 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

Quizzes (17%): There will be 6 quizzes via WebAssign assigned intermittently throughout the term to test your skills on the concepts we are covering in class. Once you start the quiz, you will have 45 minutes to complete it. You will get two attempts on the numerical question and one attempt on the multiple-choice 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 and Canvas. Each exam has two parts: A Multiple-Choice WebAssign Exam (worth 80%) and a Handwritten Exam (worth 20%) which you will upload to Canvas. These exams will cover the materials covered in the lectures, online, and in the book. **NO makeup exam will be given**. To compensate for this, **I will drop your lowest exam score**.

Final Examination (17%): Final Exam is comprehensive (All the material covered). Take the Final at the time and date stated in the Final Exam Schedule.

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

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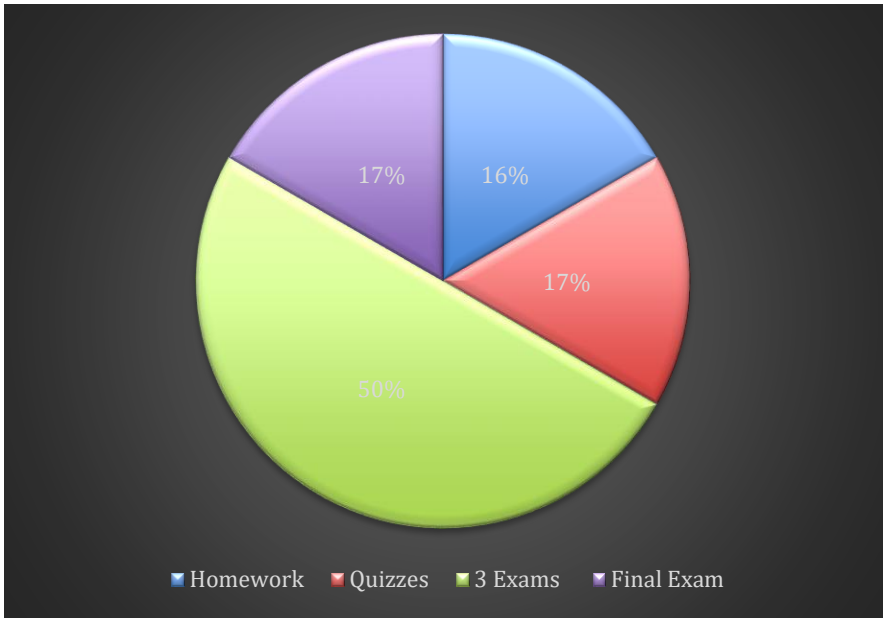
Grade	Percent
A+	$score \geq 97.5\%$
A	$92.5\% \leq score < 97.5\%$
A-	$90\% \leq score < 92.5\%$
B+	$87.5\% \leq score < 90\%$
B	$82.5\% \leq score < 87.5\%$
B-	$80\% \leq score < 82.5\%$
C+	$72.5\% \leq score < 80\%$
C	$65\% \leq score < 72.5\%$
D+	$60\% \leq score < 65\%$
D	$55\% \leq score < 60\%$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



Tentative Schedule for Math 12 *(Subject to change)*

Week 1	**Sections 2.4, 2.5, 2.6**
Week 2	**Sections 3.1, 3.2, 3.3** **Quiz 1 (2.4, 2.5)**
Week 3	**Sections 3.4, 3.5, 3.6** **Quiz 2 (2.6, 3.1, 3.2)**
Week 4	**Sections 3.7, 4.1,** **Exam 1: Sections 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 3.4**
Week 5	**Sections 4.2, 4.3, 4.4** **Quiz 3 (3.5, 3.6, 3.7)**
Week 6	**Section 4.5, 5.4** **Quiz 4 (4.1, 4.2, 4.3)**
Week 7	**Sections 5.5, 5.6** **Exam 2: Sections 3.5, 3.6, 3.7, 4.1, 4.2, 4.3, 4.4**
Week 8	**Sections 6.1, 6.2, 6.3** **Quiz 5 (5.4, 5.5, 5.6)**
Week 9	**Sections 6.4, 6.5** **Exam 3: Section 4.5, 5.4, 5.5, 5.6, 6.1, 6.2, 6.3**
Week 10	**Sections 6.6, 6.7** **Quiz 6 (6.4. 6.5)**
Week 11	**Sections 7.1, 7.4** **Exam 4: 6.1 6.2, 6.3, 6.4, 6.5, 6.6, 6.7**
Week 12	**Final Exam: Comprehensive – Thursday, March 27th**

Student Learning Outcome(s):

• Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.
• Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.

Office Hours:

M,W	5:30 PM - 6:20 PM	Zoom