Math 242 — Calculus II

Instructor: Kenny Corea kcorea@hawaii.edu

Office Hours: MF 1:30-2:30, WR 11-12 pm Keller 402E

Lectures:

Section	Meeting Time	Location
5-6	TR 9-10:15 am	Keller 302
9-10	MWF 12:30-1:20 pm	Keller 303

Recitation:

Section	TA	Recitation Time	Location	Office Hours Time	Location
5	Irvin	W 9:30-10:20 am	Keller 402	T 10:30-11:30, W 10:30-12:30	Keller 312
6	Irvin	W 12:30-1:20 am	Keller 403		
9	Saroj	F 9:30-10:20 am	Keller 404	TR 1:30-2:30	Keller 402G
10	Drew	F 11:30-12:20 pm	Keller 404	M 11:30-12:30 and 1:30-2:30, F 10:30-11:30	Keller 402F

You may attend any TA's office hours, but I encourage you to attend your TA's office hours if possible.

Course description: Integration techniques and applications, series and approximations, differential equations.

Book: *Calculus*, 8th Edition, by Stewart.

Calculators: No.

Prerequisites: A grade of C or better in Math 241 or Math 251A, or a grade of B or better in Math 215.

Course management: All course announcements, homework assignments, solutions to quizzes/worksheets, etc. will be available on our course webpage:

https://math.hawaii.edu/~kcorea/courses/242-f2022

It is your responsibility to keep up with the information on our webpage.

Grades: Your grade is broken down as follows:

Homework	10%
Worksheets	10%
Quizzes	10%
Exams	40% (2x20%)
Final	30%

Homework: Written homework will be assigned weekly, and due at the beginning of each week during lecture. All assignments will be weighed equally.

Recitations You will meet weekly with your TA for a discussion hour. At the beginning of each recitation you will take a 10 minute quiz. Each quiz will cover the material from the previous week; doing ALL your homework and reviewing the worksheet solutions from the previous week are good ways to prepare for a quiz. Following that you will work on a worksheet that is due at the end of the period. All quizzes and worksheets are weighed equally.

Exams: Attendance is compulsory. There will be three exams, two midterm exams and a final. Each exam covers the most recent material, and the final is cumulative.

Exam 1	Wednesday 9/28 6-7:15 pm Bilger 152
Exam 2	Wednesday 11/9 6-7:15 pm Bilger 152
Final	Wednesday 12/14 12-2 pm

The location of the final is TBD.

Make-up Policy: In general, quizzes, exams, and assignments will not be excused. However, I will treat each make-up request on case-by-case basis. Late homework will not be accepted as you have ample time to complete each assignment. Make up quizzes and worksheets will be at the discretion of your TA. If you know you will miss an exam in advance, we can schedule you to take it earlier.

 Your lowest two quiz, worksheet, and homework scores will be dropped. Your lowest midterm score will be replaced by your final score if it improves your overall grade.

Academic integrity: Cheating, plagiarism, and academic dishonesty will not be tolerated. Your are highly encouraged to work together on your homework, however the work you submit must be your own.

KOKUA: I am happy to work with you and the KOKUA Program (Office for Students with Disabilities), if you need course accommodations. For more information visit their webpage `https://hawaii.edu/kokua/`.

Tentative Schedule: We will cover chapters 6, 7, 9, and 11 of the Stewart text. The following is a rough timeline of what we are covering each week.

Week	Topic
1	Inverse Functions, Logarithms
2	Exponentials
3	Exponential Growth, Inverse Trig. *Labor Day*
4	L'Hôpital's Rule, Integration by Parts
5	Trig. Integrals, Trig. Sub.
6	Partial Fractions, **Exam 1**
7	Integration Strategies, Approximate Intergation
8	Improper Integrals
9	Sequences
10	Series
11	Integral Test, Comparison Test, *Election Day, Veteran's Day*
12	Alternating Series, Ratio and Root Test, **Exam 2**
13	Power Series, *Thanksgiving break*
14	Representations, Taylor and Maclaurin Series, Applications
15	Euler's Method, Separable, First-Order Linear
16	Modeling, Population Growth
17	**Finals week**