

SUNY ULSTER

STONE RIDGE, N.Y. 12484

Course Outline: Spring 2022

COURSE TITLE: MAT 170 Calculus I Online

INSTRUCTOR: Chaitanya Mistry **PHONE:** 845-688-1575
mistryc@sunvulster.edu **OFFICE:** BUR 107 D

OFFICE HOURS: T/R: 10:01 - 11:01am; W: 10:45 -11:45am, 12:30-1:30pm
Available by an appointment. Please ask!

EMAIL USE: For this course, please use the *message* system in Blackboard for all communications.

REQUIRED MATERIALS:

WEBASSIGN access code

WEBASSIGN is a learning environment that provides access to an e-book version of the textbook with a multimedia component. This program is your required homework component of the course.

Graphing Calculator is required. TI-84 or TI-83+ is highly recommended. TI-89 or higher is **NOT** permitted.

TEXT: Calculus:Early Transcendentals, James Stewart, 9th Ed.(ISBN 978-1-337-61392-7)

OBJECTIVES: This is the first of a three semester sequence designed to give the student a knowledge and understanding of the basic concepts, procedures, and applications of differential and integral calculus. In this first course, the student will learn the concepts and methods of deriving limits, derivatives, and integrals and will be able to apply these concepts to graphs, optimization, related rates, motion, and area problems. In the process of learning calculus, various problem solving techniques and sound critical thinking will also be emphasized.

PREREQUISITE: Every student in this course is required to have successfully completed MAT 160 (or an equivalent Pre-calculus course) with a grade of C or higher, or successfully completed an additional year of high school mathematics beyond Math B.

COURSE OUTLINE: This course covers all or parts of the following chapters:

Chapter 2: Limits and Derivatives

Chapter 3: Differentiation Rules

Chapter 4: Applications of Differentiation

Chapter 5: Integrals

GRADING POLICY: There will be 2 exams: a midterm and a comprehensive department final examination. These exams are **NOT** online and must be taken with a designated proctor. Online work will be done through Blackboard and a program called WEBASSIGN. Hand-in homework will be scanned and uploaded in a drop box in Blackboard.

The final grade will be determined as follows:

1. Hand-in Homework... ..20%
2. WEBASSIGN.....20%
3. Midterm... ..30%
4. Final.30%

The **final exam** is **mandatory**. If you do not attend this exam, you will receive an F for the course.

A = 93-100	B = 83-86	C = 73-76	D = 63-66
A- = 90-92	B- = 80-82	C- = 70-72	D- = 60-62
B+ = 87-89	C+ = 77-79	D+ = 67-69	F = 0-59

ATTENDANCE: Attendance will be determined through Blackboard and WEBASSIGN. Based on the fact that this is a four credit course the student must meet the following criteria:

- The student must log in to Blackboard at least four times per week to view lesson plans for that week, check email and course announcements;
- The student must submit the weekly assignment;
- Additionally, the student must work in WEBASSIGN to complete the weekly homework (**8 hours per week minimum**).

WITHDRAWING: According to college policy a student withdrawn within the first 2/3 of the semester will receive a grade of “W”. Otherwise a grade of F will be assigned. If you decide to permanently stop attending and do not officially withdraw at the Registrar’s Office, you will receive an F for the course which will not be changed.

HOMEWORK: WEBASSIGN consists of weekly objectives. Weekly objectives consist of specific content covered. The material covered corresponds to the weekly lectures and hand in homework. Working through the weekly objective is equivalent to doing textbook homework in a traditional class. This homework is due every Sunday by 11:59 p.m.

You may view your weekly grade in the WEBASSIGN gradebook. **Do not get behind in WEBASSIGN!** Written homework, posted in Blackboard each week, is due Tuesday of the following week by 11:59 p.m. Download/print the pdf file, show all work, scan and upload the file to the designated drop-box. Please save the file with a name that indicates the homework number and your name. For example: HW1_MistryChaitanya. Taking a photo is not preferred but can be done as long as the work is clear and legible. Follow the online instructions to import your pictures to google docs to save as a pdf. I can't grade what I can't read! Do not leave all homework problems for the day they are due! You may not be able to complete the assignment in one day! You may also need to ask for help.

TUTORING: **Free** tutoring (Net Tutor) is available on **Blackboard**. Also, Center for Academic Planning and Support (C.A.P.S) has many other resources such as video tutorials and computer tutorials. For more information about The Math Place or other learning options, call the Center for Academic Planning and Support(VAN 247).

E-mail: caps@sunyulster.edu **Phone:** 687-5039

Students are encouraged to utilize these resources!

STUDENT ACADEMIC HONESTY POLICY Academic Honesty is taken very seriously by the College. breaking the rules of academic honesty results in immediate disciplinary consequences. For more information refer to the Student Handbook.