Math 1D, section 21   **Calculus 4**   **Winter 2023**

Instructor: Rick Taylor (Roderic Taylor)
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Classes: Classes will be held in person, 1:30 pm – 3:45 pm, Mondays and Wednesdays, in our assigned classroom. There may be pre-recorded lectures as well, especially for long weekends

WebAssign: WebAssign is not required or recommended for this class. I will make assignments available for those who enjoy using it, but it will not be graded.

Text: Calculus: Early Transcendental, 9th edition, by James Stewart, published by Thomson Brooks/Cole, 2016.

Calculator: A scientific calculator with trigonometric and exponential functions or a graphing calculator is recommended for this class for use during exams. Graphing calculators will not be allowed during exams.

Midterm Exams:
There will be two midterm exams for this course. There will be no make-up midterms. Instead, your final exam will replace your lowest midterm exam (as long as that is to your advantage). Each midterm exam is weighted 10 points (unless of course it is dropped).

Final Exam:
The final exam will be given Monday, March 27, 1:45 pm – 3:45 pm in our usual classroom. Taking the final is required for passing the course. If due to unforeseen circumstances such as illness or family emergency you are unable to take the final, let me know as soon as possible; you'll need to take an incomplete and make it up. If at the end of the quarter you decide you do not wish to pass the class so that you may be able to retake the course, then do not attend the final. The final exam is cumulative and is weighted 10 points.

Quizzes, Attendance, other activities:
Quizzes, attendance, and other activities will be weighted from 0-10 points. These are extra credit. They are weighted according to how much you finished, and are always scored 100%.

Honors Project: This is only relevant for students in the De Anza honors program who are taking the honors version of this class. If you take the honors section and fail to turn in a satisfactory project, your final grade will be penalized one level (for example going from A- to B+). Your work on the honors project does not otherwise affect your final grade.

Grade:
The final grade is determined by the weighted average of quizzes, midterms, and finals as described above.

- A   92% - 100%
- A-   90% - 91%
- B+   86% - 89%
- B   83% - 85%
- B-   80% -82%
- C+   70% - 79%
- C   60% -69%
- D   40% - 59%
- F   0% - 39%

An F will also be given in the case one gets a 0 on the final exam.

Policy on dropping:
I am required to drop students who do not attend any of the first week of classes. After that, if you decide you no longer wish to take this class it is your responsibility to go online and formally drop the class by the appropriate deadline. If you fail to do so, I will be unable to drop you at a later date.

Policy on Academic Integrity:
If a student is found to have cheated on an exam, they will receive a 0 for that exam. They will not be able to drop that score from their average as they normally might when computing the final grade,

Academic Help:
Mathematics is a challenging subject which takes time and effort to master. Of course, students differ in their backgrounds, but in general you should expect to do a minimum of 10 hours of work per week reading the book, doing homework, and thinking about the material. This is in addition to the time you spend in class. If you find you are having difficulty with the material, it is important to address the situation immediately, as it's easy to fall behind. The tutorial center is available in person Tuesdays and Wednesdays and online Monday to Friday for brief questions, as well as one on one sessions with a designated tutor. In addition, I encourage all students to come to my office hours. Often, I'm able to help students talking with them individually in a way that's not possible in a large lecture class.

Student Learning Outcome(s):

*Graphically and analytically synthesize and apply multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
*Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
*Synthesize the key concepts of differential, integral and multivariate calculus.

Office Hours:

M,T,W 10:00 AM	10:50 AM	Zoom,In-Person,By Appointment	S12 A
T	01:30 PM	02:20 PM	Zoom,In-Person,By Appointment	S12 A