MATH 152-06, Fall 2021
Instructor: Dr. Rachel Schwell
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Office: Marcus White 321 Office Phone: 832-2844
Office Hours: MF 10:00 – 11:30 am; T 12:30 – 2:30 pm; or by appt.

“Don’t practice until you get it right. Practice until you can’t get it wrong.”
(Source unknown)

Course Description: This course covers the differential calculus of the algebraic, trigonometric, exponential, and logarithmic functions, concluding with the definite integral, fundamental theorem of calculus, and integration by substitution. The emphasis is on understanding the basic concepts of functions, limits, continuity, derivatives, antiderivatives, and their applications.

Text: We will be using the free online text OpenStax Calculus Volume I, available here: https://openstax.org/details/books/calculus-volume-1, accompanied by the online homework platform Edfinity ($29).

Class Times: The class will meet MW 4:30 – 6:10 in MS 212.

Expected Background: I will assume that you are comfortable with all basic functions, including linear functions, polynomials, rational functions, exponentials, logarithms, and trigonometric functions (six of them). If you are not familiar or comfortable with any of the items on this list, you should start reviewing now. The internet is replete with useful sources. Google searches and youtube are your friends.

Goals of the Course: The goals of this course are not only mastery of differential calculus material, but also to further the critical-thinking and problem-solving skills required of you as a STEM major. Thus, you will often be asked to solve problems that are vary from what we have done in class (though the concepts were discussed in class). Lastly, the course will contain a lot of group work with a lot of input from YOU! We will do many in-class worksheets, whose purpose is to either reinforce/synthesize previously introduced concepts or to introduce new concepts via student-driven inquiry. I will usually ask for volunteers to put their solutions to the problems within the activities on the board for all to see. If there is a problem whose solution a large portion of the class does not follow, the student who wrote the solution will be asked to come back up and explain his or her work to the class. No one should have anxiety about being able to present a perfect solution to a problem. In fact, we can gain so much more from the discussion surrounding a flawed solution. The correctness will not be part of your grade, but your willingness to present and frequency of presentation will form a large part of your participation grade.

Homework: We will be using the online homework system Edfinity, accessible directly from Blackboard. There is a $29 fee to join, but that is your only required cost associated with the course. There will be a homework set for each section, with homework due every Sunday night by 11:00 pm. I encourage you to do the homework as soon as possible after each class. You will have an unlimited number of attempts to solve each problem correctly. If you fail to achieve an 80% on any given assignment, you will be prompted with some practice problems covering the prerequisite skills associated with that assignment (for example, practice on logarithms or exponents). These practice problems are not required but are strongly suggested for learning success. There is also an extra option of online "tutoring" with videos, sample worked-out solutions, and problem walk-throughs, for an added monthly cost (varies by subscription). This is not required, but if there should you feel you would like extra support.
Quizzes and Tests: There will be in-class quizzes every Monday, two semester exams, and a final exam. Each week’s quiz will cover the material from the homework due the preceding Sunday. Quizzes and exams must be taken in pencil, with points taken off for using pen. You may only make up quizzes in advance, but the lowest two quiz grades will be dropped at the end of the semester. Exams may only be made up in advance, or afterwards only with the proper documentation justifying your absence.

Your grade will be calculated by the following distribution:
Quizzes - 15%  
Final Exam - 25%  
Homework - 15%  
2 Exams - 20% each = 40%  
In-class Activities and Participation - 5%

Letter Grades will be assigned according to the following standard 100-point scale:
A: 92.5 and above  
A-: 89.5-92.4  
B+: 86.5-89.4  
B: 82.5-86.4  
B-: 79.5-82.4  
C+: 76.5-79.4  
C: 72.5-76.4  
C-: 69.5-72.4  
D+: 66.5-69.4  
D: 62.5-66.4  
D-: 59.5-62.4  
F: 59.4 and below

Attendance and Expectations: Although I will not take attendance, I expect you to attend class—you are responsible for all notes, announcements, etc. that are given during class time. What to do if you miss a class:

- Contact one of your classmates so that you can find out what you have missed and get the notes.
- Read over those notes and the sections from the book that you have missed.
- Attempt the homework on that section.
- Come to see me to discuss any points on which you are still stuck.

While I am more than happy to aid you in understanding what you have missed, you should not expect that I will recreate the lesson for you in office hours. You should thus make sure you have taken the steps above before coming.

The general rule for a college course is that you as the student are expected to put in two hours of study outside of class for every credit hour of the course. Thus, I expect that you will be putting in approximately 8 hours of work outside of class each week. If you find you are having problems and not understanding the material, the first question you should ask yourself is, “Am I putting in my 8 hours?” This is an average time estimate; some people require more, and some require less. You should keep studying and practicing until you have reached the mastery level of understanding and computation.

Office Hour Etiquette: If you need extra help, but cannot make the listed office hours, you should either make an appointment with me by e-mail or after class. I will always be happy to answer your questions in office hours. However, you must come prepared. In other words, you should have read over your notes and already made serious attempts on the homework.

Calculator Use: The recommended calculator for this course is the TI-83+. Similar calculators such as the TI-83, TI-84, TI-84+ and TI-86 are also acceptable and may be used for examinations. Calculators with a symbolic capability such as the TI-89 and TI-92 are not allowed on examinations. If you are wondering whether your calculator is acceptable, please ask me.
COVID-19 Sanitary Measures: As you are all aware, we are all required to wear masks while indoors on campus, unless we are alone. This includes in class, and it is part of my job to enforce this policy. If you need to take a sip of water during class, you may briefly lower your mask to do so and then put it back on. If you need to eat something quickly, I totally understand, but please step outside into the hall to do so (and make sure there is no one nearby). If I need to take a drink of water, I will do so behind the plexiglass screen at the front of the room.

We are also required to maintain at least three feet between us, which should be feasible during group work. I will maintain at least three feet of distance when approaching your group to discuss or answer questions.

The campus blueprint with details regarding all sanitary measures can be found here: https://www.ccsu.edu/blueprint/files/Blueprint%20Fall%202021.pdf

University Policies:

1. You must take the final examination at the time specified on the CCSU website: Monday December 12, 5:30 – 7:30 pm.

2. If you are a student with a documented disability, and would like to request academic accommodations, you are encouraged to contact Student Disability Services (SDS) at 860-832-1952, or email disabilityservices@ccsu.edu. Please visit the SDS website at http://www.ccsu.edu/sds/ to download an Intake form and documentation requirements. Temporary impairments may also qualify for accommodations. Central Connecticut State University provides reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act for students with documented disabilities on an individualized basis.

3. The last day to withdraw from a course is Wednesday, November 17. Approvals for withdrawal are not required; however, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student’s intention to drop the course.

After November 17 withdrawals are allowed only under extenuating circumstances and require approval of the course instructor, department chair and dean of the School of Arts and Sciences. Poor academic performance is not considered an extenuating circumstance.

4. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at http://www.ccsu.edu/AcademicIntegrity/. This policy is rigorously enforced by the Department of Mathematical Sciences.

Title IX Information:

Statement on Discrimination and Harassment

Central Connecticut State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment.
based upon age; ancestry, color; gender identity and expression; intellectual disability; learning
disability; mental disorder; physical disability; marital status, national origin; race; religious
creed; sex, (including pregnancy, transgender status, sexual harassment and sexual assault);
sexual orientation; or any other status protected by federal or state laws.

Any student who has concerns about should contact the Office of Equity & Inclusion (OEI) at 860-
832-1652, Student Affairs at 860-832-1601, or their faculty member. The OEI is located on the
main floor of Davidson Hall, room 119.

Sexual Misconduct, Intimate Partner Violence and Stalking

Central Connecticut State University (CCSU) will not tolerate sexual misconduct against
students, staff, faculty, or visitors in any form, including but not limited to: sexual assault, sexual
exploitation, sexual harassment, or stalking, as defined in CCSU policies. For additional
information, please consult the CCSU policy at
https://www.ccsu.edu/diversity/policies/index.html. All faculty members and staff have a duty
to report incidents of sexual harassment including sexual misconduct, intimate partner
violence and stalking to Pamela Whitley, Title IX Officer, Office of Equity & Inclusion,
Davidson Hall, 119.

To file a report, contact: Equity & Inclusion (860-832-1652), Student Conduct (860-832-1667) or
Student Affairs (860-832-1601). For criminal complaints, contact the University Police (860-832-
2375).

For support and advocacy, contact: Office of Victim Advocacy at 860-832-3795 or
jflanagan@ccsu.edu; Student Wellness Services at 860-832-1945 (confidential); Women's Center
at 860-832-1655; the local YWCA's Sexual Assault Crisis Services Hotline at 860-223-1787
(confidential) and Prudence Crandall Center for Domestic Violence (confidential) at 888-774-
2900 (24-hour hotline).