**Course Title:** Calculus I, MATH 152 - 06, 06*
Fall 2020

**Credits:** 4 (This implies about 8 hours per week of work outside the class)

**Prerequisite:** MATH 115 and MATH 116 (both with C- or higher), or MATH 119 (C- or higher), or Placement Exam.

**Course Description:** This course introduces the students to the fundamental concepts of calculus with functions of one independent variable. The course comprises limits and continuity, differentiation and integration. The emphasis of the course is on understanding and applications. The students are responsible for reviewing precalculus including the definition and properties of polynomial, rational, trigonometric, exponential and logarithmic functions.

**Instructor:** Nelson Castaneda

**Office:** Marcus White 123

**Phone:** 860 832-2851

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I will not meet in person with students in my office this semester. All office hours will be conducted online.

**Office Hours:** Online using Blackboard Collaborate. You will find a link to this application on the Blackboard Learn menu for our course. I will be available to meet with you on the following times

Monday and Wednesday 3:00 - 4:30 PM, Friday 11:00 AM – 12:00 PM.

We can arrange to meet at a different time if necessary.

**Textbook:** *Calculus Volume 1*, freely available from OpenStax. Look for it in (openstax.org). This book is a collaborative effort of several authors. Senior contributors Gilbert Strang and Edwin Hermann.

**Class Meeting Times:** Tuesday, Thursday 4:30 – 6:10 PM. A few students will attend class in MS 321. The class will be broadcast live for the rest of the students. To see the broadcast go to Blackboard Learn and click on Media Gallery from the main menu.

**Homework:** The Homework Assignments will be posted on the Edfinity Platform. Here is the invitation to join our course in Edfinity. This service has a cost of 17 dollars for you.

**Coverage:** We cover most of Volume 1. Additional notes and MATHEMATICA notebooks that might contain information not covered in the book will be posted on Blackboard Learn.

**Graphing Calculators:** Any graphing calculator is acceptable for homework and class work. However, for tests and quizzes calculators more sophisticated than a TI - 84 are not allowed.

I will post practice tests and review your work on them if you submit a solution using \LaTeX.\n
**\LaTeX:** \LaTeX is an typesetting program that is widely used to produce scientific or specialized books and manuscripts. Here is an introductory video by Dr. Rachel Schwell that shows how to use a friendly website called overleaf. Here is a Wikipedia article on Overleaf. I will often use the program Wolfram Mathematica for class explanations. You are encourage to download this program and to learn the basics of it.

**Wolfram Mathematica:** Wolfram Mathematica is a sophisticated technical computing system that is used in several scientific disciplines. Our university has a license that allows you as a student to download a version of Mathematica for free. To download Mathematica you can go the link that is posted on the Math Resources menu of our department website.

**Attendance:** I expect you to join the online sessions of our course and that you participate actively in them through the chat, asking questions or sharing your ideas. *Please keep me informed if you have to miss classes for justifiable reasons.*

**Assessment:** There will be a few homework assignments posted on Edfinity, two intermediate tests, and
a final exam. Class participation is worth 10% of the grade, the homework assignments 30%, the intermediate tests and the final 20% each. The final exam is cumulative and is given on Tuesday, December 15 from 5:30 to 7:30 PM.

The minimum averages to determine the letter grades are as follows:
A 93% A- 90% B+ 87% B 83% B- 80% C+ 77% C 73% C- 70% D+ 67% D 63% D- 60%

**Final Exam:** Tuesday, December 15 from 5:30 to 7:30 PM.

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**University Policies:**

1. You must take the final examination at the time specified in the university’s Final Exam Schedule: Tuesday, December 15 from 5:30 to 7:30 PM.

2. If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible. My telephone number and office hours are given above.

   I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, Willard - DiLoreto Hall, Room W 201, if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message,” or check the online Cancellation/Delay Information.

4. Students may drop full semester courses up to the last day of the third week of classes in the regular semester. Courses dropped by Tuesday, September 15 will not appear on the student’s transcript. Please drop the course by September 15 if you think that this course is not appropriate for you. Feel free to schedule an appointment with me to discuss your situation.

5. Students withdrawing from a full semester course from September 16 through November 17 (through the 12th week of the semester) may do so by completing a withdrawal form. A notation of “W” will appear on the student transcript. Withdrawals during this time do not require written authorization; however, it would be prudent for the student to discuss this matter with their instructor or/and their academic advisor.

6. Forms to either drop or withdraw from a course may be found on the registrar’s website or obtained in the registrar’s office in Willard - DiLoreto Hall, Room D 202.

7. 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 17th withdrawals are allowed only under extenuating circumstances, only for students who are passing the course, and require written approval of the course instructor and the department chair.

8. 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 website of the Office of Diversity and Equity.

9. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at Academic Integrity Policy. This policy is rigorously enforced by the Department of Mathematical Sciences.

10. All students are expected to demonstrate integrity in the completion of their course work. Academic integrity means doing one’s own work and giving proper credit to the work and ideas of others. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism and to avoid all forms of cheating and plagiarism. Students who engage in plagiarism and other forms of academic misconduct will face academic and possibly disciplinary consequences. Academic sanctions can range from a reduced grade for the assignment to a failing grade for the course. From a disciplinary standpoint, an Academic Misconduct Report may be filed and a Faculty Hearing Board may impose sanctions such as probation, suspension or expulsion.

11. For further information on academic misconduct and its consequences, please consult the Student Code of Conduct and the Academic Misconduct Policy.