MATH 152/71 – Calculus I  
Spring, 2016

MyMathLab (Code sold separately) ISBN: 9780321199911

Instructor: Dr. A. Vaz
Class Meetings - M, W 4:30-6:10 p.m. Room - EW 312
Telephone - (860) 832-2722
Office Hours - M, W 3:15 - 4:15 p.m. Room - MS 219

Course Description:
This course introduces students to the concepts of limits, derivatives, and applications of derivatives, including transcendental functions. Antiderivatives and definite integrals will also be considered. Emphasis is on conceptual understanding and related applications. A graphing calculator is required.

Prerequisites: Both MATH 115 and MATH 116 or MATH 119 (C- or Higher) or MPE

Content Outline:
Chapter 1 - Functions and Their Graphs (Review)
Chapter 2 - Limits and Continuity
Chapter 3 - Derivatives – including Trigonometric, Exponential & Logarithmic Functions, Implicit Differentiation, Related Rates, Linearization and Differentials.
Chapter 4 - Applications of the Derivatives – including applied Optimization and Antiderivatives.
Chapter 5 - Integrals – including Areas and estimating with Finite Sums, The Definite Integral, Fundamental Theorem of Calculus, Indefinite Integrals and the Substitution Method.

Course Requirements:
Attendance is expected. In the event you cannot attend class, it is your responsibility to learn the material you missed. Complete required homework assignments (the two lowest homework scores may be dropped.) No late homework will be accepted. An excess of three (3) absences may affect your course grade. No Make-Up Exam except in an extenuating circumstance, and with prior consent.

Electronic Devices Policy:
Cell phones, laptops and PDA’s are not to be used during class, exams, or quizzes unless special accommodations are necessary.

University Policies:
1. 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.”

2. Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Stephanie Scapeccia in Student Disability Services at: (860) 832-1952, Willard Hall, Room 101-04, 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. All students are expected to demonstrate integrity in the completion of their coursework. 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.

For further information on academic misconduct and its consequences, please consult the Student Code of Conduct (http://www.ccsu.edu/StudentConduct) and the Academic Misconduct Policy (http://www.ccsu.edu/AcademicIntegrity).

4. 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 Diversity and Equity (ODE) at 860-832-1652, Student Affairs at 860-832-1601, or his/her faculty member. The ODE is located on the main floor of Davidson Hall, room 102.

5. 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 policies at http://www.ccsu.edu/page.cfm?p=1333.

6. The last day to withdraw from a course and receive the grade of “W” is Monday, April 18. Approvals for withdrawal prior to this date 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 Registrar’s Office are not considered official notice of a student’s intention to drop the course. After April 18, withdrawals are allowed only under extenuating circumstances and require approval of the course instructor and department chair (in that order). Poor academic performance is not considered an extenuating circumstance.

Assessment:
Your course grade will be calculated using your performance on nine (9) homework sets, three (3) One-Hour tests, and a required final exam based on the following weights:

<table>
<thead>
<tr>
<th>Homework (9) Sets</th>
<th>20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test #1 - Wed., Feb. 17</td>
<td>20%</td>
</tr>
<tr>
<td>Test #2 - Wed., Mar. 30</td>
<td>20%</td>
</tr>
<tr>
<td>Test #3 - Wed., Apr. 27</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam - Monday, May 9 (4:30-6:30 p.m.)</td>
<td>20%</td>
</tr>
</tbody>
</table>

(Refer to the Evening Exam Schedule, Spring 2016)

In order to help your grade, assuming that your final exam score is good, it will also replace your worst score on any of the three in-class tests.

The letter grade you earn will be assigned according to the following standard 100-point scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D+</th>
<th>D</th>
<th>D-</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starts at</td>
<td>93%</td>
<td>90%</td>
<td>87%</td>
<td>83%</td>
<td>80%</td>
<td>77%</td>
<td>73%</td>
<td>70%</td>
<td>67%</td>
<td>63%</td>
<td>60%</td>
<td>&lt; 60</td>
</tr>
</tbody>
</table>

Resources Available:
1. If you need help, take advantage of your instructor’s office hours. Do not wait until just before the first test to do so.
2. Free tutoring is available in The Learning Center -- located in Willard Hall, Room 101. They can be reached at (860) 832-1900. A schedule for the hours the Center is open will be posted soon after the beginning of the semester.
3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.
4. A list of private tutors for hire is available in the Math Department office, Room 107 Marcus White, (860) 832-2835.