MATH 125 “Applied Calculus”

Department of Mathematical Sciences       Spring 2016

READ THIS SYLLABUS CAREFULLY. YOU ARE RESPONSIBLE FOR KNOWING THIS INFORMATION!

Prerequisite: MATH 101(C – or higher) or placement exam.

Course Description: This course includes review of algebra, derivatives, and integrals including exponential and logarithmic functions. Applications to Economics, Business, and Technology will be studied.

Instructor: Igor Ferdman

Email: ferdmani@mail.ccsu.edu or igor@ferdman.us

Office: MS 211 (Maria Sanford)

Office Hours: Monday from 10:40 a.m, Saturday from 10:40 a.m. and by appointment.

Textbook: Calculus and its Applications by Bittinger & Ellenbogen, 11th ed

Class Meeting Times: M,W 9:25 a.m. – 10:40 a.m.

Course Requirements: Attend and participate in class regularly; complete homework assignments; take quizzes and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class.

Coverage: Anticipated coverage of the text, subject to change, is as follows:

Chapter R – Functions, Graphs, and Models (R.1 – R.6)
Chapter 1 – Differentiation.(1.1 – 1.8)
Chapter 2 – Applications of Differentiation (2.1 – 2.7)
Chapter 3 – Exponential and Logarithmic Functions (3.1 – 3.6)
Chapter 4 – Integration (4.1 – 4.7).

University Policies:

1. You must take the final examination at the time specified in the course selection book

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 Student Disability Services at: (860) 832-1952, Willard Hall, Room 101-03, 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. 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.”

5. 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 Enrollment Center 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).

**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.

4. A list of private tutors for hire is available in the Math Department office, Room 128 Marcus White, (860) 832-2835.

**Exams and quizzes.** There will be 2 midterm exams (TBA) and a comprehensive final exam. Final exam will be held on Monday, May 9 in regularly scheduled classroom unless otherwise notified by instructor. Exam time is 8:00 a.m. – 10:00 a.m. Throughout the semester we will be having quizzes, I will outline the dates when they will be given. All work must be shown. All quizzes and exams will be closed notes and closed book. One handwritten index card is allowed. There will be no make-ups for missed work unless
justified and well-documented circumstances or some other ways to replace it might be offered. I reserve the rights to refuse a makeup exam.

**Special notes**

- Students are not allowed to leave the room and then return while taking a test or exam unless permission is explicitly granted by the instructor. In the case of an emergency, please check with the instructor.
- We will use frequently TI-83 Plus graphing calculator in class.
- Cell phones, laptops and PDA’s are not to be used during class, exams, or quizzes unless special accommodations are necessary.
- If you feel there was an error in grading or something is unfair, feel free to discuss it with me after class.

**Homework.**

There will be homework assignments, which will be collected periodically throughout the semester. Your homework should be complete and easy to read. Please feel free to see me for assistance. Not all the homework assignments will be graded.

**Evaluation**

Minimum averages have been established for each of these grades:

- A 93% A– 90%
- B+ 87% B 83% B– 80%
- C+ 77% C 73% C– 70%
- D+ 67% D 63% D– 60%

To assign grades, I will form a weighted sum of all the grades you receive throughout the semester. The weighting will be

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
</tr>
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<tbody>
<tr>
<td>Two midterm exams</td>
<td>25% each</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>Homework</td>
<td>5%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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There will be a curve used in determining grades. Individual items (exams, quizzes, …) will be curved separately. This curve will be influenced mostly by the class performance as a whole. Overall course grades will **not be curved**. Extra credit points may be given for answering interesting questions during the class. These points will be added to the next quiz or test. Details will be provided prior to the question.

**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.

**Sexual Misconduct, Intimate Partner Violence and Stalking**

**Option 1.**
Central Connecticut State University is committed to providing a learning and working environment that emphasizes the dignity and worth of every member of its community. Sexual harassment (including sexual assault) in any form will not be tolerated. Sexual harassment” means unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive working or academic environment in any University activity or program. For additional information, please consult the CCSU policies at [http://www.ccsu.edu/page.cfm?p=1333](http://www.ccsu.edu/page.cfm?p=1333). All faculty members and staff have a duty to report incidents of sexual harassment including sexual misconduct, intimate partner violence and stalking to Rosa Rodríguez, Title IX Officer, Office of Diversity and Equity, Davidson Hall, 102.

To file a report contact: Diversity and Equity (860-832-1652); Student Affairs (860-832-1601); Student Conduct (860-832-1667) or the University Police (860-832-2375).

For support and advocacy contact: Office of Victim Advocacy and Violence Prevention at 860-832-3795 or sarahdodd@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)

**Option 2.**
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](http://www.ccsu.edu/page.cfm?p=1333). All faculty members and staff have a duty to report incidents of sexual harassment including sexual misconduct, intimate partner violence and stalking to Rosa Rodriguez, Title IX Officer, Office of Diversity and Equity, Davidson Hall, 102.

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