MATH 125 “Applied Calculus”

Department of Mathematical Sciences  Spring 2021

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

Office: WebEx https://ccsu.webex.com/meet/ferdmani

Office Hours: Wednesday from 8:35 p.m to 9:35 p.m. and by appointment.

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

Class Meeting Times: MW 7:20 p.m. – 8:35 p.m.
WebEX room https://ccsu.webex.com/meet/ferdmani

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. 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 disability services@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. 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 or 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 19. 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 19, 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. TLC Spring Tutoring. These are the spring tutoring hours for math and statistics. This is the video link: https://www.youtube.com/watch?v=RhAlPUNdUq4
3. 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 10. Exam time is 7:45 p.m. – 9:45 p.m.
Throughout the semester we will be having quizzes, I will outline the dates when they will be given.
There will be no make-ups for missed work unless justified and well-documented circumstances. I reserve the rights to refuse a makeup exam.

Homework.

There will be homework assignments, which will be collected periodically throughout the semester. 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>Two midterm exams</th>
<th>15 % each.</th>
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<tbody>
<tr>
<td>Quizzes</td>
<td>15 %</td>
</tr>
<tr>
<td>Homework</td>
<td>15 %</td>
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<tr>
<td>Worksheets</td>
<td>15 %</td>
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Final Exam  20 %
Participation  5 %
Total  100%

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). (24-hour hotline).