**Applied Business Mathematics, Math 123-01, CRN 40574**  
**Spring 2021**

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

**Prerequisite:** A Grade of C- or higher in Math 101 or exemption status as a result of the placement exam.

**Course Description:** *This course covers elements of finite mathematics and Calculus with an emphasis on applications to problems arising in business.*

**Textbook:** Mathematics – An Applied Approached, Sullivan and Mizrah, 8th Edition

**Instructor:** Dr. Jiaju Gong  
**Office:** MS219/MS211/Marcus White Computer Lab  
**Phone:** 860-987-3127  
**Email:** jiaju.gong@ccsu.edu  
*Note: Please include a remark such as “Math 123-01” so that I will not delete the message as a result of not being familiar with the address.*

**WARNING:** YOU WILL NOT GET CREDIT FOR MATH 123 IF YOU HAVE ALREADY TAKEN MATH124, 125, 135 or 152(formerly MATH122).

**Course Material:**  
Chapter 1: Linear Equations  
Chapter 2: Systems of Linear Equations; Matrices.  
Chapter 3: Linear Programming: Geometric Approach  
Chapter 10: Functions and Their Graphs  
Chapter 11: Classes of Functions  
Chapter 12: The Limit of a Function  
Chapter 13: The Derivative of a Function  
Chapter 14: Applications: Graphing Functions; Optimization

**Course Requirements:** Attend and participate in class regularly; complete and self-check homework assignments; take quizzes and tests, as scheduled.

**Calculator and MS Excel Use:** Graphing calculators and MS Excel are required for MATH 123. I will be using TI-83 and **MS Excel** (window or Mac, ask CCSU IT help 860-832-1720 if needed) in class. Please let me know if you have any problem, and I can help you make adjustments.

**Electronic Devices Policy:** Cell phones, laptops and PDA’s may be used during class, exams, or quizzes provided it is your own work. Penalties may be applied otherwise.
**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%

The average for the course will be based on the following weights:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Exam 1, 2, 3 (each 15%)</td>
<td>45%</td>
</tr>
<tr>
<td>Quizzes, Homework and Class Participation</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam (cumulative)</td>
<td>35%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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**Exams:**
All the exams/quizzes will be closed book, but you will be permitted to bring one 8 ½ by 11 inch sheet of notes. You will also be able to use a calculator on all the exams/quizzes. Your lowest score of three exams can be replaced by the fine exam if it is higher.

**Pop-up Quizzes:**
will be given at random through course (other than exam days). It last about 15 minutes. Usually, the quiz will be based on the problems just discussed in class or the homework problems that assigned before (exceptions will be announced in class). In order to account for the occasional absence, I will drop the at least two lowest quiz grades.

**Homework and classwork:**
Math is not a spectator sport – actively solving math problems on your own is the best way to learn the subject. Being able to do the homework problems quickly and correctly on your own will be the key to succeeding in this class. I will be checking homework randomly at various times throughout the course. Please keep your homework together in a notebook or folder that can be passed in exam days. You may be invited to explain your homework solutions to class. You may get **extra 10 points** for your class participation in the final exam.

Exams must be taken at their scheduled time – **no make-up exam will be guaranteed.**

If you do not take one of the exams at its scheduled time, you are **NOT** guaranteed a chance for a make-up exam. To request a make-up exam:

1) Inform (email or telephone) instructor in advance or within 24 hour of missed class
2) Document your reason for missing the exam with supporting material
3) Make up exam and assignment are subject to a 50% reduction in the score/grade.

Remember: as soon as you know you will miss an exam, contact me at once, e.g., by phone or e-mail given above.

Since there are dropped quizzes and a dropped exam built into the course, **no excuses will be accepted for additional work that is missed.** This includes doctor’s notes. If you have too much going on in
your life where you are excessively absent and thus cannot keep up with the workload, you will need to consider whether you should drop the course and take it at a time when you have less going on.

University Policies:
1. You must take the final examination at the time specified in the course selection book.
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.
3. Whenever a student is absent, it is the student’s responsibility to contact the instructor immediately upon returning to campus. In particular, “Regular class attendance is expected by the university.” “Excessive” absences may result in the lowering of the course grade.
4. In the event of weather emergency that requires curtailment or cancellation of classes, check web site http://www.ccsu.edu/cancel/. Or call 860-832-3333 for the “general snow message” or listen to WTIC (1080 AM).
5. The last day to drop is Monday, Apr. 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 withdraw from the course.
6. After Apr. 19 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.
7. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found online at: http://web.ccsu.edu/academicintegrity/. This policy is rigorously enforced by the Department of Mathematical Sciences.
8. 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.
9. 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).
11. 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).

**Study Tips:**

1. If you need help, take advantage of office hours. **Do not wait until just before the first exam.**
2. Attend and participate in class; **read textbook and review examples right after class**; complete homework assignments; take 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 credit hour.
3. Form a study group with other students in your section. Explaining solution to homework problem to each other is good way to learn.
4. Free tutoring is available in The Learning Center -- located in Diloretto (D-316). 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. Online “E-Tutoring” is also available on [www.ccsu.edu](http://www.ccsu.edu).
5. A list of private tutors for hire is available in the math department office, Room 128 Marcus White, 832-2835.

**Note:** The information on this syllabus is subject to change (by the instructor); changes will be announced in class.