Central Connecticut State University
Department of Mathematical Sciences

MATH 102
Applied Algebra
Fall 2021

READ THIS SYLLABUS CAREFULLY

Section Information:

Course: MATH 102 - Applied Algebra
Section: 102 - 12    CRN: 11160

Class Meetings: MW 8:00 AM - 9:15 AM

Classroom: Ebenezer D. Bassett Hall 206 (EDB 206)

Contact Information:

Instructor: Natasha Progonati

Email address: progonatin@ccsu.edu

Office: Maria Sanford, Room 211/219 or classroom.

Office hours: MW 9:15-10:50

* Additional office hours are available by appointment.
Course Requirements

You are required to:

1. Get a NEW workbook prior to the start of classes. You may order it from the bookstore at the link below.


   You must get a NEW workbook. The workbook is required for your written work in the course. Your professor will be checking that your workbook is new.

   The textbook, Algebra with Models, by Anton and Santoro, is available for free as an e-text on Blackboard. The hard copy is available at a reasonable price and is recommended, but not required.

2. Have access to a computer having the following minimum technological capabilities:

   a. A strong, reliable Internet connection
   b. Google Chrome browser
   c. Webcam and Microphone
   d. Scanner - Adobe Scan App on a cellphone will suffice
   e. Cisco Webex Extension
   f. Proctorio Chrome Extension
   g. Calculator - NON-graphing is fine but it must have logarithms (LOG/LN keys)

   For technology issues contact the IT Help Desk at (860) 832-1720 techsupport@ccsu.edu

IMPORTANT NOTES:

- All exams will be given on campus during the normally scheduled class time. There will be NO ONLINE EXAMS.

- In the unlikely case that all classes must be moved online, exams will be given remotely and proctored with the Proctorio Exention for Chrome. Therefore, you must be have the technology required to use it. (See above.)

- All students will be required to take a Diagnostic Test in the first weeks of class using Proctorio. Completion will count for your participation, but the score will not count towards your grade.

   For issues with Proctorio Extension contact https://proctorio.com/support
Course Description:

MATH 102 - Applied Algebra

Prerequisite: MATH 099 (C- or higher), or MATH 102combo (D-, D, D+), or placement exam

This is a three-credit-hour course. It carries 3 credits towards graduation that also count towards Skill Area II (General Education requirement).

MATH 102, Applied Algebra, is designed to strengthen basic algebraic reasoning skills but does not provide adequate preparation for pre-calculus. If your intended major requires MATH 116 or MATH 119, you will need to take MATH 103 next. It is a pre-requisite for those courses.

What grade do you need to earn?

You must earn a B– or better in this course in order to satisfy the prerequisite for:

MATH 115, 124, 125,
CHEM 161.

You must earn a C– or better in this course in order to satisfy the prerequisite for any other course with a MATH 102 prerequisite including but not limited to:

MATH 105, 106, 110, 113, 123
STAT 104, 200, 215.

A final grade of D–, D, or D+ in MATH 102 earns you 3 Skill Area II credits, but will not satisfy prerequisite requirements for any course with a MATH 102 prerequisite.

The major goals of this course are:

- To strengthen a growth mindset and flexible thinking in math and problem-solving.
- To achieve a deeper understanding of numbers and operations.
- To understand and apply mental math strategies for estimating and calculating without a calculator.
- To understand, analyze, and create models for algebraic reasoning and problem-solving.
- To express relationships among quantities in symbolic algebra.
- To reason and problem-solve with proportions and percentages using models and symbolic algebra.
- To comprehend, use, and create geometry formulas for measures of simple or composite figures.
- To evaluate and apply appropriate units of measure for different types of quantities.
- To gain an appreciation for the role variables plays in constructing mathematical models.
- To create tables, graphs, and equations to model mathematical situations.
- To evaluate mathematical models and determine valid domain and range values.
- To appreciate and analyze applications of algebra to a wide variety of real-world situations.

**University Policies:**

The link to the university policies is [CCSU Policies and Procedures](https://webcapp.ccsu.edu/?mm=universityCalendar)

**Calendar of Important Dates:**

Here is the link to the CCSU Academic Calendar: [https://webcapp.ccsu.edu/?mm=universityCalendar](https://webcapp.ccsu.edu/?mm=universityCalendar)

Classes meet at 8-9:15AM every MW at EDB Room 206

Last day for full-time students to withdraw from university and get 100% refund **August 25**.

Classes begin on **August 30**

Last day for part-time students to drop course and get 100% refund **September 1**

Last day to drop without a "W" **September 15**

Exam 1 on Wednesday, **September 22**

Exam 2 on Monday, **October 18**

Exam 3 on Monday, **November 8**

Last day to withdraw without permission on Monday, **November 17**

Exam 4 on Wednesday, **December 1**

Last day of classes on **December 7**

Final Exam - **Wednesday 12/8 @ 8:00 AM-10:00 AM**

Here is a link the final exam schedule: [Registrar - Final Exam Schedule](#)
Course Expectations:

- **Attend and participate** in every class, and be on time.

- **Come to class prepared** with your workbook, notebook, folder, calculator, and pencils/pens. Bring specific questions!

- **Turn phones off and put them away.** They should be out of sight and mind (not in your lap/pocket!) so you can focus on class.

- **Watch all videos carefully and take notes** - you'll likely have to review parts of them more than once to learn deeply.

- **Make repeated attempts on all homework assignments; take quizzes and tests as scheduled.**

- **Take responsibility** - complete all your work and keep to a schedule so that you do not fall behind.

- **Put in at least 6 hours every week outside of class** to watch videos, do homework and to study.

If you are having trouble with the class, first ask yourself,

"Am I putting in at least 6 hrs./wk.?”

"What else can I do to understand the material on my own?"

"What specific questions will I ask in class?"

**Topics, Readings, Assignments & Time Frames**
Estimated Pacing Guide - MATH 102 Fall 2021 MW

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Monday</th>
<th>Wednesday</th>
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<tbody>
<tr>
<td>1</td>
<td>8/30 - 9/1</td>
<td>Welcome and Review Unit 0 Topics 0.1-0.2</td>
<td>1.1</td>
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<td>2</td>
<td>9/6 - 9/8</td>
<td>No class</td>
<td>1.1-1.2</td>
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<tr>
<td>3</td>
<td>9/13 - 9/15</td>
<td>1.2</td>
<td>1.3</td>
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<td>4</td>
<td>9/20 - 9/22</td>
<td>Review</td>
<td>EXAM 1</td>
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<td>Unit 0 &amp; Sections 1.1-1.3</td>
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<td>Week</td>
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<td>5</td>
<td>9/27 - 9/29</td>
<td>1.4-1.5</td>
<td>2.1</td>
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<td>6</td>
<td>10/4 - 10/6</td>
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<td>2.2 - 2.3</td>
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<td>7</td>
<td>10/11 - 10/13</td>
<td>2.3</td>
<td>Review</td>
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<td>8</td>
<td>10/18 - 10/20</td>
<td>EXAM 2</td>
<td>3.1</td>
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<td>Sections 1.4-1.5 and Unit 2</td>
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<tr>
<td>9</td>
<td>10/25 - 10/27</td>
<td>3.2</td>
<td>3.3</td>
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<td>10</td>
<td>11/1 - 11/3</td>
<td>3.3</td>
<td>Review</td>
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<td>11</td>
<td>11/8 - 11/10</td>
<td>EXAM 3</td>
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<td>Unit 3 and Unit 2 (Cumulative)</td>
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<td>11/7 W/D</td>
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<td>13</td>
<td>11/22 - 11/24</td>
<td>4.3</td>
<td>No Class</td>
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<td>14</td>
<td>11/29 - 12/1</td>
<td>Review</td>
<td>EXAM 4</td>
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<td>Unit 4 (Cumulative)</td>
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<td>15</td>
<td>12/6 - 12/8</td>
<td>Review for Final</td>
<td>Wednesday 12/8</td>
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**Academic Integrity:**
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. The Department of Mathematical Sciences rigorously enforces this policy. Don't cheat; it's not worth it.
For further information on academic misconduct and its consequences, please consult the Student Code of Conduct (http://www.ccsu.edu/StudentConduct/codeofconduct.asp) and the Academic Misconduct Policy (http://www.ccsu.edu/AcademicIntegrity/).

**Student Behavior** - Taken from the BOR/CSCU STUDENT CODE OF CONDUCT

https://web.ccsu.edu/studentconduct/files/Student%20Code%20of%20Conduct%201.15.15.pdf

All members of CSCU must at all times govern their social and academic interactions with tolerance and mutual respect...Because of the BOR’s and CSCU’s commitment to principles of pluralism, mutual respect, and civility, certain activities are not acceptable on CSCU campuses.

Please be aware that any violations of this Code of Conduct will result in a report of misbehavior to the Office of Student Conduct. Severe violations can result in dismissal from CCSU.

**Faculty Syllabus Statement**

Central Connecticut State University (CCSU) complies with the letter and spirit of the Federal laws, the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act. CCSU Student Disability Services (SDS) staff approves and coordinates reasonable accommodations that provide equal access and educational equity to undergraduates and graduate students who have a documented disability. Through an individual interactive process, SDS arranges reasonable accommodations, auxiliary aids, and modifications to the learning environment and/or campus based on received documentation and functional limitations of the student.

While it is advisable that students arrange for accommodations prior to the start of the semester, a request and approval for accommodations can be made at any time during the semester. SDS notifies faculty of approved accommodations through an emailed accommodation letter, and students are copied and advised to discuss class accommodation arrangements with their instructors. SDS provides some auxiliary aids and a proctored testing center for accommodated exams. In some cases, SDS staff may contact and consult with faculty to discuss essential requirements of a course or program of study. SDS encourages faculty to also call when questions arise about accommodation arrangements.

In order to make students aware of Student Disability Services, we encourage faculty to include the following suggested syllabus statement and to bring attention to the statement with a general announcement at the beginning of the semester.
SDS appreciates your cooperation and collaboration in ensuring accessibility throughout our campus. Please contact our office if you have any questions or concerns.

Sincerely,
SDS Staff

Student Disability Services
Willard Hall, Room 201, Stanley Street, New Britain, CT 06050
T: 860-832-1952  F: 860-832-1865: Disabilityservices@ccsu.edu

Suggested Faculty ADA Syllabus Statement:

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 disabilityservices@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.

Central Connecticut State University Office of Diversity and Equity Suggested Statements for Syllabus

Syllabus statements are the first step in communicating expectations with students. The following examples are consistent with University policies and procedures related to the learning environment.

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 for 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 for 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; 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).