MATH 102 Combo

Applied Algebra with Math Foundations

Prerequisite

MATH 099 (D- or higher) or placement exam

This is a five credit-hour course that meets for 5 credit-hours per week. It carries 3 credits towards graduation that also count towards Skill Area II (General Education requirement). The course covers material from two courses - MATH 099 and MATH 102.

MATH 099 Elementary Algebra

Review of fundamental algorithms of whole numbers, integers, rational numbers, and elementary algebra. Students who are required to take MATH 099 must pass this course with a C- or better before successful completion of 24 hours of regular coursework. Letter grade will affect GPA as if MATH 099 were a three credit course, but these credits may not be used to fulfill the number of credits required for graduation. This course may not be used to meet the General Education requirement nor requirements for a major, a minor, or certification in mathematics. Remedial.

MATH 102 Applied Algebra

An introduction to algebraic reasoning through quantitative analysis, problem solving, and modeling with linear, exponential, and quadratic functions. Students planning to take MATH 116 or MATH 119 must take MATH 103. No credit given to students with credit for MATH 115, MATH 116, MATH 119, MATH 123, MATH 124, MATH 125, MATH 135 or MATH 152. This course can be used to meet the General Education credit for Skill Area II but may not be used to meet requirements for a major, a minor, or certification in mathematics. General Education credits will not be given for both MATH 102 and MATH 103.

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, MATH 102 COMBO, in order to satisfy the prerequisite for any other course with a MATH 099 or MATH 102 prerequisite including but not limited to:

MATH 103, 105, 106, 110, 113, 123

STAT 104, 200, 215.

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

A final grade of D–, D, or D+ in MATH 102 Combo means you CANNOT take a regular MATH 102, MATH 103 or any class with a MATH 102 pre-requisite. If you need one of those you first have to either repeat the combo and earn a C– or better, or take MATH 099 followed by MATH 102.

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 play 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.

Instructor: Dr. Lubna Abdulrahman

Email address: abdulrahman.l@ccsu.edu

Office hours: MW 9:15 am -19:45 am

Office: MS 211 or 219
You are required to:

1. Get the TWO NEW workbooks prior to the start of classes. You may order them through the bookstore at the link below.


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

   The MATH 102 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:

   1. a. A strong, reliable Internet connection
      b. Google Chrome browser
      c. Computer 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

   **University Polices:**
   
   The link to the university policies is CCSU University Policies and Procedures

   **Calendrer for important thing:**
   
   Here is the link to the CCSU Academic Calendar: https://webcapp.ccsu.edu/?mm=universityCalendar
Classes meet every MWF at 10:50 am-12:15 pm in Bassett room 125

Classes begin on August 26

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

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

Exam 0 on Friday, September 20

Exam 1 on Wednesday, October 13

Exam 2 on Monday, November 1

Last day to withdraw without permission on Monday, November 17

Exam 3 on Monday, November 15

Exam 4 on Friday, December 3

Last day of classes on December 7

Final Exam  Wednesday December 8 from 10:30 am-12:30 pm

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 10 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 10 hrs./wk.?”

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

"What specific questions will I ask in class?"

**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](http://www.ccsu.edu/StudentConduct/codeofconduct.asp)) and the Academic Misconduct Policy ([http://www.ccsu.edu/AcademicIntegrity/](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](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.
Assessment/Grades:

To pass this course with a grade of C- or higher, you must satisfy ALL of the following:

- pass every online homework quiz with 60% or higher,
- pass the final exam with 60% or higher,
- earn an overall course average of 70% or higher.

Minimum Course Average Required:

<table>
<thead>
<tr>
<th>Letter 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>
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<tr>
<td>Minimum %</td>
<td>93</td>
<td>90</td>
<td>87</td>
<td>83</td>
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<td>77</td>
<td>73</td>
<td>70</td>
<td>67</td>
<td>63</td>
<td>60</td>
<td>&lt; 60</td>
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NOTE 1: If any one of your homework quizzes or your final exam score is below 60%, then the highest final grade you can earn is D+, regardless of the overall course average.

HOMEWORK - 20%

Homework makes up 20% of your final grade and consists of online homework quizzes and may also include written assignments and quizzes, class participation, etc. Each online homework quiz has a due date and a time limit, but may be reattempted an unlimited number of times. As long as an online homework quiz is attempted once before the due date, you are allowed to continue making attempts on it after the due date to improve your grade.

The online homework quizzes are part of your assessment in this course, like exams, but they are also a way to prepare for exams. You should be able to earn 60% or better on your own on the online homework quizzes in order to be prepared. If you are having trouble achieving these scores on your own, get help immediately. Be proactive! Don't wait!

IN-CLASS EXAMS - 50%

There will be 5 in-class exams during the semester, each worth 10%.

FINAL EXAM - 30%

The Final Exam is on campus during the university-scheduled exam time and counts for 30% of the final grade.

NOTE 2: Cheating is a serious offense that may result in your removal from the university. All instances of academic misconduct will be reported to the Office of Student Conduct.
EXTRA CREDIT and MAKEUP POLICIES

There are NO makeups and NO extra credit to improve an exam grade or the course average. If you miss an exam for any reason, there is NO makeup. If an exam is missed during the semester, the final exam will be used to replace the grade only ONCE. If you miss more than one exam then grades of zero will be entered for all missed exams after the first one.

Exam scores stand as originally graded. There will be no extra credit or other assignment by which you can bring up an exam score.

Here is the university policy for incomplete work:

"If circumstances beyond the student’s control prevented the student from completing certain work or caused the student to miss the final exam, a faculty member MAY issue a final grade of Incomplete. The INC grade will change to an F grade eight weeks into the following semester for undergraduates and after one year for Graduate students."

Students must provide proof of extenuating circumstances beyond their control (hospitalization for example) in order to ask for an Incomplete.

WHAT GRADE DO YOU NEED TO EARN?

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