MAT1275CO College Algebra and Trigonometry Corequisite   **Spring 2024**
Class Hours: Monday Wednesday Friday 8:00-9:40 am
Classroom: N702
Section: D103

Instructor: Dr. Kayla Davie
Email: mathwithdrdavie@gmail.com
Office Hours: Monday 10:00-11:00 am and Wednesday 3:00 pm-4:00 pm (Zoom) and by appointment
Office: N825

Prerequisite: Math proficient but criteria not met for MAT 1275, OR credit for MAT 1190 OR credit for MAT1190CO and permission of department

Description: Topics include quadratic equations, systems of linear equations, exponential and logarithmic functions; topics from trigonometry, including identities, equations and solutions of triangles.

Textbook: College Algebra and Trigonometry: Expressions, Equations and Graphs, by Holly Carley and Ariane Masuda, adapted from Intermediate Algebra 2e by Lynn Marecek and Andrea Honeycutt Mathis, et al. OpenStax, on LibreTexts, Summer 2023.
Workbook: MAT 1275 Workbook by Holly Carley and Ariane Masuda, Summer 2023. The workbook is based on the 6-point process from the chapter book Mathematical Literacy and Critical Thinking by Rojas, E., & Benakli, N. (2020). In: But, J. (eds) Teaching College-Level Disciplinary Literacy. Palgrave Macmillan, Cham.

OpenLab Site: https://openlab.citytech.cuny.edu/davie-mat1275co-spr2024/

Topics:

Chapter 1.1:	Arithmetic	4 lectures
Chapter 1.2:	Polynomials	4 lectures
Chapter 1.3:	Rational Expressions	4 lectures
Chapter 1.4:	Radical Expressions	4 lectures
Chapter 2.1:	Linear Equations	1 lecture
Chapter 2.2:	Quadratic Equations	4 lectures
Chapter 2.3:	Polynomial Equations	1 lecture
Chapter 2.4:	Rational Equations	3 lectures
Chapter 2.5:	Radical Equations	2 lectures
Chapter 3.1:	Linear Equations with Two Variables	2 lectures
Chapter 3.2:	Quadratic Equations: Conics	2 lectures
Chapter 3.3:	Systems of Equations	2 lectures
Chapter 4.1:	Trigonometric Expressions	3 lectures
Chapter 4.2:	Trigonometric Equations	1 lecture
Chapter 4.3:	Exponential and Logarithmic Expressions	3 lectures

Exams: Exams will be given on February 16, March 8, April 5 and May 10. The final exam will be given Wednesday, May 22 from 8:00-9:40 am.

- You may have a scientific calculator on the day of the test.

- On test days, you will not receive a test form unless you submit your cellular phone and/or smartwatches.

- There will be **NO MAKEUP EXAMS** without approval of either The Student Accessibility Center L237 (medical) or Student Affairs N325 (bereavement). Any exam you miss or do not submit will count as a 0 toward your final grade.

- Only methods discussed in class will be graded.

- No extra time will be given to latecomers.

- **Once one student leaves during an examination, no latecomers will be allowed to take the exam.**

- All students are **REQUIRED** to take the **FINAL EXAM**.

Quizzes: There will be 15 minute quizzes given regularly. The questions on the quizzes will be similar to homework questions and questions seen in lecture. Quizzes will be announced at least one class before they are given and will be given at the start of class. Quizzes will also be announced on OpenLab.

Homework: Homework assignments will be posted on OpenLab. These problems will not be collected but are suggested to ensure you are prepared for quizzes and exams.

Grading:

Exams	60 %
Final Exam	30 %
Quizzes	10 %

Grades will be assigned approximately as follows:

Letter	Grade Range	Letter	Grade Range
A	93-100	C+	77-79.9
A-	90-92.9	C	70-76.9
B+	87-89.9	D	60-69.9
B	83-86.9	F	-59.9
B-	80-82.9		

Technology Requirements:

- You will need a **scientific calculator**. You cannot use a graphing calculator on exam days.

- **Internet access**: If you do not have Internet access or a device that can attain access, please follow this link.

- City Tech Email Address as well as your **CUNYFirst Login** credentials.

Attendance and Class Participation: You are expected to attend each class meeting AND be on time. It is your responsibility to avoid scheduling any activity that might interfere with class. You are expected to be an active participant during class and working on MAT1275CO material only. Please turn off all electronics while in class. If you absolutely MUST take the call, leave the classroom immediately.

City Tech policy mandates that students can have no more than 10% absences without penalty. In this section, that means you are allotted **4 ABSENCES**. Two latenesses are counted as one absence. If you stay, the penalty is having your final grade reduced by a partial-letter grade (e.g. from a B to a B-). See the CUNY policy for an unofficial withdrawal grade definition.

If you are recognized as making a positive contribution to class discussion, group work, or the instructor is informed that you are regularly attending NYCCT-based tutoring outside of class, your final grade may be raised a partial-letter grade (e.g., from C to C+). Note, this will only apply if you are passing with at least a C grade.

Important Dates: Please see the Spring 2024 Academic Calendar for important dates of the semester. We will have class on Thursday, February 22nd because classes will follow a Monday schedule.

Academic Integrity: All work that you submit must be your own. Any violation of the City Tech Academic Integrity Policy will result in an automatic 0 and a Faculty Action Report sent to you and the Academic Integrity Committee. Penalties that may be assessed include a 0 as an assessment grade or an automatic failure of the course.

Accessibility Statement: City Tech is committed to supporting the educational goals of enrolled students with disabilities in the areas of enrollment, academic advisement, tutoring, assistive technologies, and testing accommodations. If you have or think you may have a disability, you may be eligible for reasonable accommodations or academic adjustments as provided under applicable federal, state and city laws. You may also request services for temporary conditions or medical issues under certain circumstances. If you have questions about your eligibility or would like to seek accommodation services or academic adjustments, you can leave a voicemail at 718-260-5143, send an email to: Accessibility@citytech.cuny.edu, or visit the Center for Student Accessibility's website.

City Tech Diversity & Inclusive Education Statement: This course welcomes students from all backgrounds, experiences and perspectives. In accordance with the City Tech and CUNY missions, this course intends to provide an atmosphere of inclusion, respect, and the mutual appreciation of differences so that together we can create an environment in which all students can flourish. It is the instructor's goal to provide materials and activities that are welcoming and accommodating of diversity in all of its forms, including race, gender identity and presentation, ethnicity, national origin, religion, cultural identity, socioeconomic background, sexuality and sexual orientation, ability, neurodivergence, age, and etc. Your instructor is committed to equity and actively seeks ways to challenge institutional racism, sexism, ableism and other forms of prejudice. Your input is encouraged and appreciated. If a dynamic that you observe or experience in the course concerns you, you may respectfully inform your instructor without fear of how your concerns will affect your grade. Let your instructor know how to improve the effectiveness of the course for you personally, or for other students or student groups. We acknowledge that NYCCT is located on the traditional homelands of the Canarsie and Lenape peoples.

The instructor reserves the right to amend to the syllabus in any way that she deems academically advisable. Amendments will be announced in class and on OpenLab.

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Textbooks

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Expectations

- Arrive to class on time. Two latenesses are counted as one absence. More than four absences will result your final grade being reduced by a partial-letter grade e.g. from a B to a B-). See the CUNY policy for an unofficial withdrawal grade definition.

- Come to class prepared and be ready to work with classmates.

- Quizzes will be given at the start of class and will be 15 minutes long. Quizzes will be announced at least one class before it is given. Quizzes will also be announced on OpenLab.

- Keep wireless devices (cell phones, tablets, etc.) off during class.

- Be organized. Keep all of your classwork.

- No make up exams are given without approval of either The Student Accessibility Center L237 (medical) or Student Affairs N325 (bereavement).

- For the CUNY policies/definitions on cheating and plagiarism see the College Catalog.

Grading Policy

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Quizzes	10 %