

Spring 2021 COURSE SYLLABUS

MATH 175- College Algebra

SECTION # 9373

Tues./Thurs. from 11:00am –12:50pm via zoom

INSTRUCTOR: Shahir Sikder

EMAIL: [shahir.sikder@gcccd.edu](mailto:shahir.sikder@gcccd.edu)

<https://SDSU.zoom.us/j/4407748292>

Office Hours: M & W: 10am -11am

Link to join Zoom Room:

4 hours lecture, 4 units

Final Exam: Thursday, June 3<sup>rd</sup>, 2021:  
10:00am-12:00pm

**Catalog Description:**

Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates. A *maximum* of 7 units can be earned for successfully completing any combination of MATH 170, 175, 176.

**Prerequisite**

“C” grade or higher or “Pass” in MATH 110 or equivalent (MATH 103 does not meet the prerequisite).

**Math 175 Student Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- 1) Graph functions and relations in rectangular coordinates and polar coordinates.
- 2) Apply transformations to the graphs of functions and relations.
- 3) Recognize the relationship between functions and their inverses graphically and algebraically.
- 4) Solve equations including rational, linear, polynomial, exponential, absolute value, radical, and logarithmic, and solve linear, nonlinear, and absolute value inequalities.
- 5) Solve systems of equations and inequalities.
- 6) Apply functions to model real world applications.
- 7) Identify special triangles and their related angle and side measures.
- 8) Evaluate the trigonometric function at an angle whose measure is given in degrees and radians.
- 9) Manipulate and simplify a trigonometric expression.
- 10) Solve trigonometric equations, triangles, and applications.
- 11) Graph the basic trigonometric functions and apply changes in period, phase, and amplitude to generate new graphs.
- 12) Evaluate and graph inverse trigonometric functions.
- 13) Prove trigonometric identities.

**COURSE MATERIALS:**

**TEXT: ebook: assignments online**

\*Text and Assignments will be through Knewton Alta on Canvas.

**Calculator:**

Any scientific calculator is required

**Additional Supplies:**

Graph paper: 8 ½ x 11 (1/4 grid), 8 ½ x 11 college ruled lined paper, compass set, triangle set/ruler

### **Knewton Access Code:**

This may be purchased with your textbook or separately. The textbook for this class is optional.

### **ATTENDANCE:**

Attendance to all lectures is mandatory. You are expected to be on time at every class meeting. I will begin class by taking attendance. **STUDENTS MISSING MORE THAN TWO CLASS MEETINGS ARE SUBJECT TO BEING DROPPED BY THE INSTRUCTOR REGARDLESS OF THEIR GRADE STATUS.**

### **LATE ARRIVAL AND EARLY DEPARTURE:**

Being late to class one or two times during the semester is understandable. However, habitual tardiness is disruptive. Class begins ON TIME and lasts the entire scheduled time period. Arriving late, leaving early, or making FREQUENT trips outside the room during lecture is not only inconsiderate, but also quite disruptive to other students. Students who routinely disrupt class in this manner will be dropped from the class. **Many students have made huge personal sacrifices to come to college; don't disrupt their class!**

*2 Tardies = 1 Absence & 2 Early departures = 1 Absence  
More than 2 absences may result in being dropped from the class.*

The decision on whether or not to drop you is based on the explanation given above. If you are dropped, it could affect your financial aid or academic status.

### **COURSE WORK:**

This course requires at least 8-10 outside hours per week of your time. Success in this class depends on you taking the time to learn the material.

### **GETTING HELP:**

#### **STEM Achievement Center**

STEM Achievement Center (H Building First Floor) is a resource center that provides individual assistance in Science, Technology, Engineering and Mathematics. Instructors and student tutors are available to answer homework questions, give confidence, and support students, plus also have access to graphing calculators, textbooks, instructional videos, and computer tutorial programs. STEM Achievement Center provides 36 computers for students to use.

Please contact Samantha Lee at [Samantha.Lee@gccd.edu](mailto:Samantha.Lee@gccd.edu)

**Phone:** 619-660-4396

#### **Open Hours for STEM Achievement Center:**

Monday-Thursday: 9:00am-6:00pm

Friday: 10:00am-2:00pm

---

### GRADING POLICY:

Category	Percentage
HOMEWORK	15%
Classwork / quizzes	15%
EXAM 1	60% (Exams 1-4)
EXAM 2	
EXAM 3	
EXAM 4	
FINAL EXAM	20%

*NOTE: Points and assignments may be subject to change.*

### ASSIGNING GRADES:

90 – 100 %	A
80 – 89 %	B
70 – 79 %	C
60 – 69 %	D
Below 60 %	F

Final Course Grades: It is YOUR RESPONSIBILITY to WORK for the grade you desire. I do not negotiate grades based on personal circumstances or any other obstacle that you think prevented you from receiving the grade you wanted. Work hard every day to achieve what is important to you.

### EXAMS:

There will be 4 in-class exams and one cumulative Final Exam. No exam score will be dropped, and there are no retakes. Exams will cover material from homework problems, handouts, and examples covered in class. If you do not take an exam, you will receive a zero for it. Make up exams may ONLY be taken by PRIOR ARRANGEMENT, or in the case of a DOCUMENTED emergency. No books and absolutely no cell-phones (or other electronic devices) will be allowed on exams (except the TI-84 Calculator).

### HOMEWORK:

The purpose of homework is to keep you on task and to prepare you for exams through daily practice.

### ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES:

Students with disabilities who may need accommodations in this class are encouraged to notify the instructor and contact Disabled Student Services & Programs (DSP&S) early in the semester so that reasonable accommodations may be implemented as soon as possible. Students may contact DSP&S in person in room A-113 or by phone at (619) 660-4239.

### ACADEMIC INTEGRITY:

CHEATING is the copying of any test or problem, or work done in a class that is not the student's own work. It also includes giving or receiving unauthorized assistance during an examination, whether it was intentional or not. Obtaining or distributing unauthorized information about an exam before it is given is also cheating, as is using inappropriate or unallowable sources of information during an exam. To avoid unintentional copying of work, students should cover their own exams and quizzes, and not leave a test or quiz on the

---

---

desk where another student may be tempted to look at it.

Cheating and plagiarism (using as one's own ideas writings, materials, or images of someone else without acknowledgment or permission) can result in any one of a variety of sanctions. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment (all of which may lead to a failing grade in the course) to, under certain conditions, suspension or expulsion from a class, program, or the college. For further clarification and information on these issues, please consult with your instructor or contact the office of the Associate Dean of Student Affairs.

### STUDENT CONDUCT:

I expect you to turn off and put away your cell phone, iPad, and laptop during class. Putting away these devices means that they are off your desk and away in your backpack. Therefore, there is absolutely NO CELL PHONE USE, WEB SURFING or TEXTING allowed in class. Students texting or using their phones during lecture will be asked to leave.

At all times, a student's conduct and language is expected to be respectful of others. It is extremely important ALL students feel comfortable in this class. Remember that YOU are in charge of your education, so take responsibility and do your best to learn the material. If you have a question, ask it. If you don't understand something, say so! Any question that will help you to better understand the material is a good question. Because of this, I expect you to be patient and respectful of others who are asking questions in an effort to do well.

### **To book zoom appointments with Tutoring Center:**

- Call **(619) 800-2407**
- Or email [cuyamacatutors@gmail.com](mailto:cuyamacatutors@gmail.com) with the subject or course and time you would like to meet with a tutor.

There is also [free online tutoring](#) provided by the college through NetTutor: Cuyamaca College provides all registered students with the opportunity to access online tutoring through NetTutor. Online tutoring is available in a wide variety of subjects, 24/7, to supplement on-campus tutoring that the STEM Achievement Center and Academic Resource Center already provides.

### **Cuyamaca Cares**

Cuyamaca Cares is a program that offers many opportunities for help with food, housing, and personal counseling. Since the food bank on campus is currently closed, there will be drive through opportunities coming soon which will be shared. If you have a specific need, please email Kaylin Rosal ([Kaylin.Rosal@gccd.edu](mailto:Kaylin.Rosal@gccd.edu)).

### **Course Location & Technical Support**

This course is taught in Canvas. To access our course, log in to Canvas via [Cuyamaca College's website](#) by clicking the link at the top of the page.

---

Questions about Canvas are best handled by Canvas Support (1-844-629-6835), although I will try to assist you with technical questions when possible. The [Canvas Guides](#) are an excellent resource for you as well.

If you can't log in to Canvas, please call the Cuyamaca College [Help Desk](#) at 619-660-4395 or email

[c-helpdesk@gcccd.edu](mailto:c-helpdesk@gcccd.edu). If you can't log in to WebAdvisor, call [Admissions & Records](#) at 619-660-4275.

By enrolling in the class over Spring 2021 upon the following conditions:

1. I will do my own homework, showing each and every steps with justification and will upload it on canvas.
2. All work on quiz and exams are my own work without consulting with others and any internet resources.
3. If I fail the above mentioned, my professor have the right to report me to academic affairs, without any questions.
4. I agree, in calculus there is no guess work or even If I know how to do a problem in my head, I must show work.
5. My professor have the right to ask me any questions from the homework, quiz and exams and failing to support my work also will result in point 3 from above.
6. All the work that I show must be my own work and must be the same logic as taught in class.

**Projected Course Outline Sp 2021**  
**(subject to change with prior notice) Class activities are not included in the schedule below (they'll be announced in class)**

Tuesday	Thursday
2/1 Introduction	
2/8	
2/15	
2/22	Exam 1
3/1	
3/8	
3/15	
3/22	Exam 2
4/5	
4/12	
4/19	
4/26	

5/3	Exam 3
5/10	
5/17	
5/24	
5/31	Exam 4

Final Exam: Thursday, June 3<sup>rd</sup>, 2021: 10:00am-12:00pm

---

