

CENTRAL CONNECTICUT STATE UNIVERSITY
Department of Mathematical Sciences
Fall 2021

Course Information

[Trigonometry – MATH 115 09](#)

CRN: [13681](#)

Duration: Aug 26, 2021 – Dec 14, 2021

Instructor: Samia Elsafty

Email elsaftys@ccsu.edu

Course Type: in person

Class meeting: M&W, 9:25am – 10:40 am

Location: Ebenezer D. Bassett (EDB) Room 109

WebEx link in case of any type of emergencies

<https://ccsu.webex.com/ccsu/e.php?MTID=m355fc73d2b7c70a34efa5e49658b4030>

Office hours: M&W : 10:40am– 12:00 pm (EDB– 124) and by appointment

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

[Access to all the material for this course is through Blackboard Learning and Wiley Plus](#)

Students are required to purchase access code to Wiley Plus through Blackboard learning

Course Description Study of relations, functions (special emphasis on the six trigonometric functions), inverses, and graphs. An analytic approach to trigonometry using circular functions, angular measures, identities, graphs and inverses. No credit given to students with credit for [MATH 119](#), [MATH 124](#), [MATH 135](#), or [MATH 152](#). Can be used to meet requirements of a major or minor in mathematics only for students seeking elementary, early childhood or middle

level certification. Not recommended for use in meeting certification requirements for secondary school mathematics.

Prerequisite

[MATH 101](#) (C- or higher) or [MATH 102](#) (B- or higher) or [MATH 103](#) (C- or higher) or placement exam.

Textbook: Trigonometry, 4th Edition, by Cynthia Young, published by John Wiley & Sons, Inc. **with using WileyPlus.**

You 'll need to purchase access through WileyPlus by clicking on the link on BBL navigation bar, looking at all options they offer you and choosing the option that you wish to use.

Coverage: We will cover Chaps. 1 – 7 of the textbook. (There is a review section on intermediate algebra in the appendix, if you need a refresher. *However, it is up to you to review this material if you need to.*)

Course Requirements: Attend and participate in class regularly; *read the book* and complete homework assignments, take quizzes and 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 hour in class. **For a math class, the expectation is at least 6 hours per week outside of class.**

Calculator Use: Graphing calculators are required for Math 115. The textbook is based on the TI-83 and TI-84.

- Homework/Quizzes on WileyPlus

Accessing homework for Math 115

The homework for Math115 for Fall 2021 will be found in WileyPlus. The link to WileyPlus will be directly through Blackboard (You have to purchase the WileyPlus access code)

Warning: When accessing your online homework, use **Firefox or Chrome as your browser**; there are problems that can occur if you use Internet explorer or Safari

This is how to access your homework through Blackboard:

Method 1: Directly from the navigation bar on BBL

- The link to WileyPlus can be found in by following these steps:
 - Login to Blackboard
Under Course Content
 - Click on WileyPlus link

Method 2: From each module

- The link to WileyPlus can be found in by following these steps:
 - Login to Blackboard
Under Course Content
 - Click on Learning Modules

Help and resources for Wiley Plus

Student Registration Information:

- [Video walking through registering for WileyPlus in Blackboard](#)
- [How to Register for WileyPlus in Blackboard guide](#)
- [Technical Support for Students:](#) Go to www.wileyplus.com/support. At this website you can:
 - Search by topic for answer to Frequently Asked Questions (FAQs)
 - Participate in Live Chat (available 24 hours a day Monday–Friday, with extended weekend hours).
 - Submit a question using our easy online form

There will be homework assignments for each section of the text. Each assignment will be made available on WileyPlus on the first day of the module.

You will get five attempts for each question that is not multiple choice and fewer than five attempts for each multiple-choice question; the exact number of attempts will depend on the number of choices. After each attempt, you will be told whether your answer is correct or not. If you are not able to get the correct answer after your initial attempts, we recommend that you seek help from your instructor through online office hours, or discussion forum before attempting to answer the problem again.

Written Quizzes Assignments on BBL:

There will be Written Quizzes **Assignments**, which need to be solved on paper and uploaded within Blackboard learn. These count towards **5 %** of total grade. The due dates are posted in the appropriate folder within **Blackboard Learn**.

A nice Way to upload your written Quizzes is using Adobe Scan

Here is a link to how to

[How to Use Adobe Scan – YouTube](#)

- Exams (Online)

There will be four Chapters exams, and a Final. All Exams will be **Online**

Exam1	(Ch 1-2)	Online	Sep-15	10 % Online +3% in class
Exam 2	(Ch 3&4)	Online	Oct- 13	10 % Online +3% in class
Exam 3	(Ch 5)	Online	Nov- 3	10 % Online +3% in class
Exam 4	(Ch 6&7)	Online	Dec- 06	10 % Online +3% in class
Final	(Ch 1-7)	Online	Dec	10 % Online +8% in class

Discussion Board (Piazza):

This term we will be using **Piazza** for class discussion. The system is highly catered to getting you help fast and efficiently from classmates and myself. Rather than emailing questions to the instructor, I encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email team@piazza.com.

Find our class signup link at BBL navigation bar. Participating on Piazza will be 4% of your grade.

<https://piazza.com/class/krv3ves0b1iei>

Feedback and response:

You will get immediate feedback on your homework through WileyPlus. For the Written Quizzes that are submitted feedback will be given within one week of the submission. Exam feedback will be given through announcements in Blackboard. The response time for piazza discussion boards will vary depending on peer-to-peer discussions on topics and instructor feedback. It's recommended that you use course email if you have a personal question, and the instructor will answer those messages accordingly

Topics Covered: Chapters 1 through 7 of this textbook will be covered in this course. See details in the tentative course schedule section.

TENTATIVE LIST OF COURSE TOPICS

Course Requirements: *For this course, the expectation is at least 6 hours of work outside of class each week to complete the reading materials and problem sets.* However, a general rule for any course is that you are expected to put in at least 3 hours of work outside of class for every "1 hour 15 minutes" in class. You are encouraged to attend all the class sessions. **There will not** be a recorded video of each lecture posted on BBL, so if you are interested of the class lectures, you should attend those meeting. You are responsible to complete satisfactorily all the reading material, the content of the text and lectures and all assignments whether you are attending or not. You must complete all H/W assignment on

WileyPlus before or on the due date. It is essential for understanding the methodology and passing the tests. You are responsible to take all the quizzes and exams at their scheduled times. You are encouraged to work with others on these problems, and to utilize any resources available.

Makeup Policy: In general, you will not be allowed to make up any exam, quizzes, homework, or worksheet. In circumstances where you have a medical, family, or personal emergency which prevents you from submitting your work on time, a proof in the form of doctor's note excusing you from work (because of medical emergency), or an email from your parent (about family/personal emergency) will need to be provided. If you are an athlete who will miss class time, quizzes, homework, worksheets, or exams, you will need to ask your athletic advisor to send an email to your instructor stating the circumstances for the absence.

Zero Tolerance Policy

If a student is caught cheating on any of the assessment components whether it is a single homework, worksheet, or exams regardless of the weight of the assessment towards the final grade, the student shall receive a F for the entire course and will be reported to the community standards office. **No exceptions.**

Grading Assessment: The final grade for this course will be calculated based on the following weights.

Assessment	Method	Method	%
Homework (online)	WileyPlus		14 %
Quizzes	WileyPlus		12 %
Extra quizzes	Submitted on BB		5 % Extra
Participation on Piazza	Online		4 %
Exam1 (Ch 1-2)	Online Sep-15	In class Sep-15	10 % for online& 3 % for in class
Exam 2 (Ch 3&4)	Online Oct- 11	In class Oct- 11	10 % for online& 3 % for in class
Exam 3 (Ch 5)	Online Nov- 1	In class Nov- 1	10 % for online&

				3 % for in class
Exam 4 (Ch 6&7)	Online	Dec- 06	In class Dec- 06	10 % for online& 3 % for in class
Final (Ch 1-7)	Online	Dec-	In class	10 % for online& 8 % for in class

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%

Important Dates: See the academic calendar at <https://www.ccsu.edu/calendar/>

Withdrawal Policy: Nov/17/ 2021 Withdraw from full semester courses without approval;" W" will be enter. **After Nov 17** 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.

Calculator: The TI-83+ or equivalent calculator will be used during this course. This calculator should be brought to each class. You will also be needed for the exams. Note, a TI-83+ is discussed in our textbook, so it is preferred.

Disability Statement:

Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, room 241, Copernicus Hall if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty

University Policies:

You are responsible for understanding and abiding by the University's policy on academic integrity. Information on the policy may be found at <http://www.ccsu.edu/AcademicIntegrity/> . This policy is rigorously enforced by the Department of Mathematical Sciences.

STATEMENT ON DISCRIMINATION, HARRASSMENT, AND MISCONDUCT

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 this should contact the Office of Diversity and Equity (ODE) at 860-832-1652, Student Affairs at 860-832-1601, or his/her faculty member. The ODE is located in Davidson Hall, Room 102.

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 policies at <http://www.ccsu.edu/diversity/policies/index.html> . All faculty members and staff have a duty to report incidents of sexual harassment including sexual violence to Rosa Rodríguez, Title IX Officer, Office of Diversity and Equity, Davidson Hall, 102.

To file a report, contact: Diversity and Equity (860-832-1652); Student Affairs (860-832-1601);

Student Conduct (860-832-1667) or the University Police (860-832-2375). For support and advocacy, contact: Office of Victim Advocacy & Violence Prevention (Carroll Hall 248) at 860-832-3795 to speak with Sarah Dodd (sarahdodd@ccsu.edu); Student Wellness Services at 860-832-1945 (confidential), the 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).

RESOURCES AVAILABLE

1. If you need help, take advantage of the instructor's office hours. Do not wait until just before the first test to do so.
2. Free tutoring is available in The Learning Center – located in Willard-DiLoreto Hall Room D316. 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
3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.
4. A list of private tutors for hire is available in the Math Department office, Room 128 Marcus White, (860) 832-2835.

Resources Available:

1. If you need help, take advantage of my office hours. *That is what they are for.* Do not wait until just before the first test to do so. You should come and see me as soon as you are having any difficulty in the course. Bring all your homework with you so that I can see where you are having trouble. I view your seeking help as a sign of effort in the course, not as a sign of weakness. Some of my best students have been frequent visitors to office hours for help on homework.

Week	Monday	Wednesday	Important dates	Due Dates	
				WileyPlus (H/W)	WileyPlus (Quizzes)
1 Aug/Sep 8/30-9/01	Day 1 Orientations Review	Day 2 1.3-1.5		9/4	9/5
2 Sep 9/6-9/8	Day 3 No class	Day 4 2.1-2.2		9/11	9/12
3 9/13-9/15	Day 5 2.3-2.4	Day 6 Exam 1	In class Sep-15	9/18	9/19
4 9/20-9/22	Day 7 3.1	Day 8 3.2		9/25	9/26
5 9/27-9/29	Day 9 3.3	Day 10 3.4		10/2	10/3
6 October 10/4-10/6	Day 11 4.1	Day 12 4.2		10/9	10/10
7 10/11-10/13	Day 13 4.3	Day 14 Exam 2	In class Oct-13	10/16	10/17
8 10/18-10/20	Day 15 5.1	Day 16 5.2		10/23	10/24
9 10/25-3/27	Day 17 5.3	Day 18 5.4		10/30	10/31
10 November 11/1-11/3	Day 19 5.5	Day 20 Exam 3	In class Nov-3	11/6	11/7
11 11/8-11/10	Day 21 6.1	Day 22 6.2		11/13	11/14
12 11/15-11/17	Day 23 6.3	Day 24 7.1	11/17 Last day to Withdraw form a course without permission	11/20	11/21
13 11/22-11/24	Day 25 7.2	Day 26 7.3		11/27	11/28
14 Nov/ Dec 11/29-12/1	Day 27 7.4	Day 28 7.5		12/4	12/5
15 December 12/6-12/8	Day 29 Exam 4	Day 30 No class	In class Dec-6	12/11	12/12
16 12/13-12/15	Final Exam				

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This schedule is tentative and subject to change

Instructor: Samia Elsafty

Email: elsaftys@ccsu.edu

Assignment Number	Section	HW Exercises and Problems (Young, 4 th Edition)
1	1.1	1, 5, 7, 9, 13, 15, 17, 19, 21, 25, 27, 33, 39, 43, 47, 51, 55, 63, 65, 67
2	1.2	1, 3, 5, 9, 11, 13, 15, 19, 27, 31, 33, 39, 41, 42, 51, 52, 53
3	1.3	1, 3, 5, 7, 9, 11, 13, 17, 19, 23, 25, 35, 37, 39, 45, 47
4	1.4	1, 3, 5, 7, 9, 11, 13, 21, 27, 63, 69, 73, 75
5	1.5	1, 5, 29, 35, 41, 47, 51, 55, 59, 63, 65, 67
6	2.1	1, 3, 5, 15, 19, 21, 23, 31, 33, 35, 37, 39, 41, 45, 51, 55, 65, 67, 69
7	2.2	1, 5, 7, 11, 13, 17, 23, 25, 31, 41, 49, 51, 53
8	2.3	1, 3, 5, 7, 9, 17, 21, 25, 31, 35, 39, 41, 47, 53, 55, 57, 59, 61, 67, 71, 81, 83, 89, 91, 93
9	2.4	1, 3, 7, 11, 17, 19, 21, 23, 27, 37, 41, 45, 47, 51, 53, 57, 61, 63, 69, 71
10	3.1	1, 7, 11, 13, 19, 25, 27, 35, 39, 45, 51, 55, 59, 61, 71, 79, 83, 85, 93, 95, 101
11	3.2	1, 3, 9, 13, 19, 37, 49, 51, 55, 59, 61, 63, 69, 73, 75
12	3.3	1, 11, 13, 21, 27, 33, 35, 43, 53, 57, 61, 65, 71, 73, 75
13	3.4	1, 3, 5, 7, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 39, 41, 43, 45, 47, 49, 55, 57, 67, 69, 71, 73, 74, 75
14	4.1	1, 5, 7, 9, 11, 15, 33, 35, 37, 45, 47, 53, 55, 63, 65, 73, 75, 77, 79, 81, 87, 89, 91
15	4.2	1, 3, 9, 13, 15, 27, 29, 31, 35, 41, 45, 47, 61, 67, 73, 75
16	4.3	1, 3, 5, 19, 21, 25, 31, 37, 45, 61, 63, 67
17	5.1	1, 3, 5, 9, 11, 13, 15, 21, 25, 27, 35, 37, 41, 59, 63, 73, 75
18	5.2	1, 3, 9, 15, 21, 25, 31, 37, 39, 59, 65, 67
19	5.3	1, 3, 5, 13, 15, 23, 25, 27, 33, 53, 55, 63
20	5.4	1, 3, 7, 17, 19, 23, 27, 29, 37, 41, 49, 55, 57
21	5.5	1, 3, 5, 13, 19, 25, 31, 33, 39, 49, 51, 53
22	6.1	1, 3, 5, 11, 13, 15, 17, 25, 29, 37, 39, 69, 71, 73
23	6.2	1, 7, 9, 11, 19, 23, 27, 29, 33, 55, 61, 69, 77, 83
24	6.3	1, 3, 7, 11, 13, 17, 19, 21, 23, 25, 45, 53
25	7.1	1, 3, 5, 7, 9, 15, 21, 23, 25, 43, 45, 47, 55, 57
26	7.2	1, 3, 7, 9, 13, 23, 31, 33, 43, 49, 51, 57, 59, 61
27	7.3	1, 3, 17, 39, 41, 55, 57
28	7.4	1, 5, 7, 9, 19, 21, 31, 33, 37, 43, 45, 55, 57, 59, 63, 67, 69, 73, 91, 93, 95, 97, 99
29	7.5	1, 3, 9, 13, 17, 19, 33, 35, 45, 49, 61, 63, 65, 69