

**CENTRAL CONNECTICUT STATE UNIVERSITY**  
**DEPARTMENT OF MATHEMATICAL SCIENCES**  
**SUMMER 2024**

**COURSE:** MATH 115 (11)  
**TITLE:** TRIGONOMETRY  
**PREREQUISITES:** MATH 101(C- or higher), or MATH 102 (B- or higher), or MATH 103 (C- or higher), or a placement exam.  
**COURSE DESCRIPTION:** This course covers relations, functions, inverses, and graphs. Using an analytic approach to trigonometry circular functions, angular measures, identities, graphs, and inverses will be studied.  
**INSTRUCTOR:** Dr. Ivan Gotchev  
**OFFICE:** MW 111  
**PHONE:** 860-832-2839  
**EMAIL:** gotchevi@ccsu.edu  
**WEB PAGE:** <https://directory.ccsu.edu/person/ivan-s-gotchev-phd>  
**SCHEDULE OF CLASSES:** MW 10:15 AM – 12:15 PM in EDB 126  
**OFFICE HOURS:** MTWR 12:20 – 12:55 PM in EDB 126  
**TEXTBOOK:** Trigonometry, 5<sup>th</sup> edition by Cynthia Y. Young, published by John Wiley&Sons, Inc. 2022.  
**COVEREGE:** All sections from 1.1 to 7.3 will be covered.  
**ATTENDANCE:** The material covered by this course will be discussed and explained clearly in class and proper examples will be solved. Therefore, regular class attendance is important.  
**EXAMINATIONS:** There will be three tests and three take-home exams during the semester and a cumulative final exam on Thursday, June 27, 10:15 AM – 12:15 PM in EDB 126. The examination problems will be similar to those solved in class, included in take-home exams, or given on tests or as homework assignments.  
**HOMEWORK:** The best way to learn mathematics is to solve as many problems as possible. In the list below are given the suggested problems that I recommend you solve before solving your take-home exam problems.  
**GRADING:**  
THREE TESTS 45%  
THREE TAKE-HOME EXAMS 30%  
FINAL EXAM 25%  
If you score 93% or more your final grade will be an A, 90% or more but less than 93% - A-, 87% or more but less than 90% - B+, 83% or more but less than 87% - B, and so on. Less than 60% is F.

**NOTE:** CELL PHONES AND OTHER COMMUNICATION DEVICES MUST BE TURNED OFF AT ALL TIMES DURING CLASS

**MATH 115(11), Summer 2024**  
**Suggested Homework Assignments and Tentative Timetable**

<b>Date</b>	<b>Section</b>	<b>Suggested Homework Assignments</b>
5/28	1.1	1 – 57, odd
	1.2	1 – 35, odd
5/29	1.3	1 – 39, odd
	1.4	1 – 45, odd
	1.5	1 – 63, odd
5/30	2.1	1 – 49, odd
	2.2	1 – 45, odd
	2.3	1 – 61, odd
6/3	2.4	1 – 51, odd
	Review Chapters 1 and 2	
6/4	Test 1, Tuesday, June 4; Take-Home Exam 1 Due Date	
6/5	Review Test 1	
	3.1	1 – 71, odd
	3.2	1 – 55, odd
6/6	3.3	1 – 55, odd
	3.4	1 – 57, odd
6/10	4.1	1 – 21, odd and 53 – 69, odd
	4.2	1 – 35, odd
6/11	4.3	1 – 37, odd
	Review Chapter 3 and 4	
6/12	Test 2, Wednesday, June 12; Take-Home Exam 2 Due Date	
6/13	Review Test 2	
	5.1	1, 5, 9, 11, 15, 21, 23, 31, 39, 51, 53
6/17	5.2	1, 5, 9, 11, 21, 25, 29, 31, 35, 37, 39, 67
	5.3	1 – 35, odd
	5.4	1 – 35, odd and 49, 51, 53
6/18	5.5	1 – 19, odd and 29, 33
	6.1	1, 5, 7, 15, 21, 25, 37, 49, 53, 55, 69, 79, 89, 91, 103, 105, 107
6/20	6.2	1 – 27, odd
	6.3	1 – 19, odd
	7.1	1 – 53, odd
6/24	7.2	1 – 25, odd and 45 – 53, odd
	7.3	1 – 15, odd
	Review Chapter 5, 6 and 7	
6/25	Test 3, Tuesday, June 25; Take-Home Exam 3 Due Date	
6/26	Review Test 3 and review for the final exam	
6/27	Final Exam, Thursday, June 27, 10:15 AM – 12:15 PM in EDB 126	

## UNIVERSITY POLICIES

1. **You must take the final examination on Thursday, June 27, 10:15 AM – 12:15 PM in EDB 126.**
2. **In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message.”**
3. **Students may drop a full semester course by Monday, June 3 without permission and without any notation on the record (no “W” grade). The last day to withdraw from a course without instructor’s approval is Sunday, June 23 (a “W” grade will appear on the record for that course). It is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Registrar’s Office are not considered official notice of a student’s intention to drop the course. After June 23 withdrawals are allowed only under extenuating circumstances and require approval of the course instructor and the department chair.**
4. 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 accommodation. Contact **Student Disability Services (SDC), Willard Hall, Room 201**, 860-832-1952, or email [disabilityservices@ccsu.edu](mailto:disabilityservices@ccsu.edu) if you are not already registered with them. Please visit the SDS website at <http://www.ccsu.edu/sds/> to download an Intake form and documentation requirements. CCSU 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.
5. 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.

For further information on academic misconduct and its consequences, please consult the Student Code of Conduct (<http://www.ccsu.edu/StudentConduct>) and the Academic Misconduct Policy (<http://www.ccsu.edu/AcademicIntegrity/>). *All members of CCSU must at all times govern their social and academic interactions with tolerance and mutual respect...Because of the BOR's and CCSU's commitment to principles of pluralism, mutual respect, and civility, certain activities are not acceptable on CCSU 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.

6. 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 Equity and 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.

7. **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).

## RESOURCES AVAILABLE

1. If you need help, take advantage of your 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 **DeLoreto 316**. 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.