# University of North Texas

# Department of Computer Science and Engineering

# CSCE 1030:001 – Computer Programming I

Classes: Monday and Wednesday: 4:00 pm – 5:20 pm

Room: Gate 132

## Instructor Information

**Name: Subharag Sarkar**

Email id: subharag.sarkar@unt.edu

Student Hours:

Monday and Wednesday: 12:30 pm to 1:30 pm at GAB 330.

<https://unt.zoom.us/j/82114151218>

Tuesday: 3:00 pm to 5:00 pm NTDP E245C.

<https://unt.zoom.us/j/89270409997>

If you are unable to meet during this time, email the instructor to set an alternate meeting time

## TA/IA Information

Refer to the Canvas Module for information on all the TA and IA

## Course Description, Prerequisite and Learning Outcome

Introduction to computer science and engineering, problem-solving techniques, algorithmic processes, software design and development.

**Course Description**

This class is face-to-face, and it happens during 16 weeks of a semester, and there is going to be 1 canvas module per week.

**Course Prerequisites**

MATH 1100 and CSCE 1010 (for CSE majors only), each with a grade of C or better.

**Corequisite**

CSCE 1015 (for CSE majors only).

**Course Objectives:**

By the end of this course, students will be able to:

1. Write readable, efficient, and correct programs for basic programming constructs plus

2. Use common data structures and techniques such as structures, arrays, pointers.

3. Use a software process model to design and implement a significant software application in a modern programming language consisting of multiple functions.

**Course Evaluation**

Student Perceptions of Teaching (SPOT) is the student evaluation system for UNT and allows students the ability to confidently provide constructive feedback to their instructor and department to improve the quality of student experiences in the course

## Academic Accommodation

The University of North Texas makes reasonable academic accommodations for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Access (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to the faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time; however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by appointment. Faculty members have the authority to ask students to discuss such letters during their designated office hours to protect the privacy of the student. For additional information, refer to the Office of Disability Access website (https://studentaffairs.unt.edu/office-disability-access). You may also contact ODA by phone at (940) 565-4323.

## Supporting Your Success and Creating an Inclusive Learning Environment

UNT strives to offer you a high-quality education and a supportive environment, so you learn and grow. As a faculty member, I am committed to helping you be successful as a student. To learn more about campus resources and information on how you can be successful at UNT, go to unt.edu/success and explore unt.edu/wellness. To get all your enrollment and student financial-related questions answered, go to scrappysays.unt.edu.

I value the many perspectives students bring to our campus. Please work with me to create a classroom culture of open communication, mutual respect, and belonging. All discussions should be respectful and civil. Although disagreements and debates are encouraged, personal attacks are unacceptable. Together, we can ensure a safe and welcoming classroom for all. If you ever feel like this is not the case, please stop by my office and let me know. We are all learning together. I also encourage you to review UNT’s student code of conduct so that we can all start with the same baseline civility understanding (Code of Student Conduct) (https://policy.unt.edu/policy/07-012).

## Required/Recommended Materials

**Required Textbook.**

1. Zybooks will be used extensively for this class. Available from <https://www.zybooks.com/>. In addition, supplemental materials will also be provided during term.

**Access to Zybook**

1. Sign in or create an account at learn.zybooks.com

2. Enter zyBook code: **UNTCSCE1030SarkarFall2025**

3. Subscribe

**A subscription is $89.**

## Course Requirements/Schedule

**Procrastination Policy:**

Students are provided an appropriate window of time to complete each assignment from its official posting date to its due date. Once posted, students are expected to attempt assignments promptly, so that they may seek assistance to identify and resolve any issues in an efficient and timely manner. Therefore, the instructor or TAs are not required (but may choose to, if willing and able) to answer emails regarding a particular assignment after 4:00 pm CDT on its due date. After 4:00 pm CDT on the published due date, it will be assumed that the student is able to complete the assignment successfully. This policy is to ensure that students attempt the assignment before the actual due date, so that they may seek any needed assistance without procrastinating.

**Programming Assignments:**

Students will need to be able to program in C++, for their programming assignments. If in doubt, contact the instructor to verify that the programming environment is acceptable. Programs should be compressed in a zip file then use the dropbox on Canvas. ***Programming assignments will be due at 11:59 p.m. on due date.***

**Late Submission Policy:**

Assignments may be turned in late, but not more than 5 days. All the late submissions will lose 20% of the grade for each extra day.

**On-time:** **0%**

**Each extra day: 20% per day**

**Class Policy:**

**1.** Emails will be answered as promptly as possible.

**2.** Student behavior that interferes with an instructor’s ability to conduct a class or other students’ opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student’s conduct violated the Code of Student Conduct. The university’s expectations for student conduct apply to all instructional forums, including university and electronic classrooms, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at <https://policy.unt.edu/policy/07-012>

**3.**Usage of cell phones, earphones, and other electronic devices, during exams is strictly prohibited. The usage of laptops and tablets is permitted for class purposes. Usage of classroom computers, if any, are not allowed, while the class is in session. Any student who uses an unauthorized device will lose 1 point (out of 100) and may be asked to leave the classroom.

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| Date | Topics |
| 08/18/2025 | **Introduction** |
| 08/20/2025 | **Introduction** |
| 08/25/2025 | **Pseudocode and Flowchart** |
| 08/27/2025 | **Variables/Assignments** |
| 09/01/2025 | **Labor Day Holiday** |
| 09/03/2025 | **Variables/Assignments** |
| 09/08/2025 | **Branches** |
| 09/10/2025 | **Branches** |
| 09/15/2025 | **Loops** |
| 09/17/2025 | **Loops** |
| 09/22/2025 | **Arrays** |
| 09/24/2025 | **Arrays** |
| 09/29/2025 | **Arrays** |
| 10/01/2025 | **Review** |
| 10/06/2025 | **Exam I in LAB Section (No Lecture Class)** |
| 10/08/2025 | **Exam I in LAB Section (No Lecture Class)** |
| 10/13/2025 | **User Defined Functions** |
| 10/15/2025 | **User Defined Functions** |
| 10/20/2025 | **Streams** |
| 10/22/2025 | **Streams** |
| 10/27/2025 | **Structs** |
| 10/29/2025 | **Structs** |
| 11/03/2025 | **Structs** |
| 11/05/2025 | **Pointers** |
| 11/10/2025 | **Pointers** |
| 11/12/2025 | **Pointers** |
| 11/17/2025 | **Input/Output** |
| 11/19/2025 | **Review** |
| 11/24/2025 | **Thanksgiving Break Holiday** |
| 11/26/2025 | **Thanksgiving Break Holiday** |
| 12/01/2025 | **Exam II in LAB Section** |
| 12/03/2025 | **Exam II in LAB Section** |

**This schedule is tentative and subject to change at the instructor’s discretion.** Changes will be announced in class. The instructor reserves the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. **EXAM I and EXAM II will be held at regular LAB class time in the same location as LABs.** Students should be prepared to be available till the end of Finals Week in case of any changes to the Last Exam scheduling. In case of campus closing, you will be alerted by Eagle Alert. For more information, you can read the following policy [Campus Closures Policy](https://policy.unt.edu/policy/15-006) (<https://policy.unt.edu/policy/15-006>).

## Assessing Your Work

**Exam Absence policy**

Absence from exams may be excused, with appropriate documentation, for illness, critical family emergencies, military service obligations, observance of major religious holidays, and certain university service commitments. Requests for excused absence, and documentation for such absences, must be provided as soon as possible. In case of an excused absence, the instructor will set up a makeup exam on a date before the last day of finals week. Even if the reason for an absence/non-attendance is valid, a request for an excused absence/re-attempt will be rejected if provided later than the day of the exam. The dates for all the exams are subject to change. Any changes will be announced in class at least a week in advance. Students are expected to be available till the last day of finals week. No accommodations will be made if the student misses an exam due to being unavailable before the last day of finals week.

**Academic Dishonesty Policy**
UNT policy 06.003 defines the following breaches of academic integrity:
A. **Cheating**. The use of unauthorized assistance in an academic exercise, including but not limited to:
a. use of any unauthorized assistance to take exams, tests, quizzes or other assessments;
b. usage of sources beyond those authorized by the instructor in writing papers, preparing reports, solving
problems, or carrying out other assignments; usage without permission, of tests, notes, or other academic
materials belonging to instructors, staff members, or other students of the university;
c. dual submission of a paper or project, or resubmission of a paper or project to a different class without
express permission from the instructor;
d. any other act designed to give a student an unfair advantage on an academic assignment.
B. **Plagiarism**. Use of another’s thoughts or words without proper attribution in any academic
exercise, regardless of the student’s intent, including but not limited to:
a. the knowing or negligent use by paraphrase or direct quotation of the published or unpublished work of
another person without full and clear acknowledgement or citation.
b. the knowing or negligent unacknowledged use of materials prepared by another person or by an agency
engaged in selling term papers or other academic materials.
C. **Forgery**. Altering a score, grade or official academic university record; or forging the signature of
an instructor or other student.

D. **Fabrication**. Falsifying or inventing any information, data or research as part of an academic
exercise.
E. **Facilitating Academic Dishonesty**. Helping or assisting another in the commission of academic
dishonesty.
F. **Sabotage**. Acting to prevent others from completing their work or willfully disrupting the
academic work of others.

Cheating of any sort will not be tolerated in this course. All submissions must be your own original
work. Taking information or code from the internet or other students is considered a breach of
academic integrity. Failure to adhere to these strict standards will be cause for disciplinary action that
could be as severe as expulsion from the university. If it is determined a student cheated on any
assignment in this course they will receive an F for their final course grade and an academic integrity
report will be filed with the Office of Academic Integrity. Further, UNT is now maintaining a
database recording any acts of academic dishonesty that is available to employers.
Additionally, because these are group projects, if one group member is caught cheating the
consequences of their actions will extend to the group as a whole. It is the responsibility of all group
members to insure that when they put their names on their submission as a whole and submit it, the
submission does not contain any instances of cheating. Failure to report known instances of cheating
within a group will be deemed facilitation of academic dishonesty and reported as such.
For more information see the UNT Student Academic Integrity Policy.

**Collaboration Policy:**For each project submission, all work is expected to be your own. While you should be working with
your group members, you are not to collaborate with other groups for projects, provide solutions to
other groups, search for solutions on the internet, or purchase solutions. Doing so will be deemed a
breach of academic integrity. However, for any non-graded, practice assignments students are
encouraged to work together to solve problems

**Grading Information**

Grades are based on mastery of the content. As a rule, I do not grade on a “curve” because that is a comparison of your outcomes to others. However, I encourage you to find opportunities to learn with and through others. Explore [Navigate’s Study Buddy](https://navigate.unt.edu/) (<https://navigate.unt.edu>) tool to join study groups. Maximize your learning with our coaching staff at the Learning Center.

**AI Policy**

In all academic work, the ideas and contributions of others must be appropriately acknowledged and work that is presented as original must be, in fact, original. Using an AI-content generator (such as ChatGPT, GitHub CoPilot, Cody, Ghostwrite and others) to complete coursework without proper attribution or authorization is a form of academic dishonesty. If you are unsure about whether something may be plagiarism or academic dishonesty, please contact your instructor to discuss the issue. Faculty, students, and administrative staff all share the responsibility of ensuring the honesty and fairness of the intellectual environment. For this course you must cite any work performed by others, including AI entities. If you would like to use AI entities exclusively to complete your homework and other assignments, realize you must, of course, cite this when you submit your assignment. Also realize you are still responsible for making sure an coding assignments execute properly. Also, all AI-only assignments will be graded on a different scale, where the highest possible grade you can achieve on any assignment is a 70. Grading rubrics will be scaled accordingly. This does not apply to any exams, as you must do those without outside assistance. Failure to cite any sources, including AI assistance, will result in a -100 for
the first occurrence, and a failing grade in the class (and reporting the Academic Integrity violations to the Dean of Students) for any subsequent occurrence

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| Material | Contribution to Final Score |
| C++ Zybooks Practice  | 10% |
| C++ Zybooks Challenges | 10% |
| EXAM I | 20% |
| EXAM II | 20% |
| Class Attendance (85% Attendance) | 5% |
| Lab Attendance (85% Attendance) | 5% |
| Labs | 30% |

Grading scale:

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| --- | --- |
| Numerical Score | Grade |
| >=90 | A |
| >=75 & <90 | B |
| >=60 & <75 | C |
| >=50 & <60 | D |
| Otherwise | F |

**For the Exams and Assignments, any appeals on grades (except the last one) must be made online no later than seven days after the grades are published.** Appeals should be as specific as possible and must contain a valid reason. Appeals such as “I think I deserve more for this assessment, or my overall grade has reduced as a result of this assessment” are NOT valid reasons, and such appeals will not be processed. Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels. Grading is done carefully, and, in most cases, appeals will not result in a change of mark. **No makeup exams or assignments will be provided for the purpose of bumping up your grade under any circumstances.**

## Attendance and Participation

*Research has shown that students who attend class regularly are more likely to be successful. You should attend every class unless you have a university-excused absence such as active military service, a religious holy day, or an official university function as stated in the* [S*tudent Attendance and Authorized Absences Policy (PDF)*](https://policy.unt.edu/policy/06-039) *(*[*https://policy.unt.edu/policy/06-039*](https://policy.unt.edu/policy/06-039)*). If you cannot attend a class due to an emergency, please let me know.* Students who enter class 10 minutes after class starts, will be marked absent for that day.