

CSCE 2100 Computing Foundations I

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Office Hour: Tue. and Thur. 1:00pm – 2:00pm

Zoom URL: [Beilei Jiang's Zoom Meeting](#)

Teaching Assistants & Instructional Assistant:

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Course Description:

Introduces students to both data structures and formalisms used in computer science, such as asymptotic behavior of algorithms. Data structures and the formalisms used to both describe and evaluate those data structures simultaneously. By the end of the two-semester sequence of which this course is the first part, each student will have a solid foundation in conceptual and formal models, efficiency, and levels of abstraction as used in the field of computer science.

Communication Expectations:

This course will use the Canvas Learning Management system (LMS) to distribute course materials, post grades, and submit assignments. You are responsible for checking the Canvas course site regularly for class work and announcements. You may find the Online Communication Tips (<https://clear.unt.edu/online-communication-tips>) helpful. Should you have any questions about the course or material in general, you may attend your instructor's office hours or use your UNT e-mail address to e-mail your instructor directly at the e-mail address listed above with CSCE 2100-401 in the subject line.

Every attempt will be made to answer e-mails within 24-48 hours, but if no reply is received within this time frame, please follow up with your instructor again to ensure a response. Please do not expect a response over the weekend.

For assistance with assignments or questions about grading of a particular assignment, you may also contact the TAs or IAs assigned to this directly via e-mail or their office hours. This information will be available on Canvas under modules Start Here.

Grading Policy:

I will not accept late work in this course. All work turned in after the deadline will receive a grade of zero unless the student has a [university-excused absence](#) and provides documentation with 48 hours of the missed deadline.

Grades will be posted on Canvas throughout the semester to provide an ongoing assessment of student progress, but typically about 10-15 calendar days after the assignment was due. Grading discussion should first go to the TA or IA graded your assignment in 5 calendar days after grades posted, but if a resolution cannot be reached between the student and the grader, then you should go to the instructor who will have the final decision on the grade. After 5 calendar days, barring an exceptional circumstance, grades will not be altered. It is the student's responsibility to check any given grade and make complaints within at most 5 calendar days after the grades are announced. Grades will not be changed afterwards. Make-ups must need the instructor's special permission. In most cases, they are not allowed.

The final exam grading discussion will only be provided at a specific time, which does not follow the grading discussion policy mentioned above.

The final letter grade will be determined based on the following criteria: (It may be adjusted at the discretion of the instructors) A 90 – 100; B 80 – 89; C 70 – 79; D 60 – 69; F 59 and below.

Required Textbook:

We will be using an online textbook this semester through zyBook.

1. Open the assignment on Canvas (NOT zyBook).

2. Click on the load assignment tab and it will take you to the Zybook page.

3. For the first time only, subscribe.

- Click any zyBooks assignment (participation or challenge) link in Canvas (Do not go to the zyBooks website and create a new account)
- Enter the zyBook code:

UNTCSC2100JiangSummer2026

- Subscribe.

4. Complete your assignment.

5. Press Submit on Canvas. You will not get any points until you do this.

6. Verify your grade on Canvas for the assignment. It's auto graded and hence should appear immediately. If the grade shows zero or empty, something went wrong.

Optional Reference Textbook:

The Foundations of Computer Science, by Alfred Aho & Jeffrey Ullman

<http://infolab.stanford.edu/~ullman/focs.html>

Expected Course Outcomes:

Course Outcomes are measurable achievements to be accomplished by the completion of the course. These outcomes are evaluated as part of our ABET accreditation process.

1. Define and use the basic operations of sets, functions, and relations.
2. Define and demonstrate the basic properties of trees and graphs.
3. Use elementary graph and tree algorithms including traversals and searches.
4. Describe assertions in propositional logic form.
5. Describe simple circuits, I/O, and satisfiability using Boolean logic.
6. Use combinatorics and conditional probability in solving real-world problems.
7. Demonstrate a solid foundation in conceptual and formal models by describing loop structures in summation and/or product notation.
8. Demonstrate an introductory knowledge of finite state machines.

Make-up Work Policy:

For most situations there will be no make-up work for any assessment in this course. However, in the event of an unavoidable absence for one of the reasons below, email me as soon as possible so we can work out a solution. The following events are grounds for make-up work: being a participant in a conference in which you are presenting; being in an athletic or other UNT associated event in which you are an active participant; a family emergency; a severe illness; military duty; or in certain cases and with some restrictions a religious event. Additionally, in the case of a missed assignment due to illness, make-up work will only be allowed by the instructor to receive further notification from the Dean of Students. Student are responsible to send email to the Dean of Students with a physical copy of a signed doctor's note. See the [UNT Attendance Policy](#) for more information.

A student is responsible for requesting an excused absence in writing, providing satisfactory evidence to the **Dean of Students(deanofstudents@unt.edu)** to substantiate excused absence, and the Dean of Students will send the notification to the faculty member assigned to the course for which the student will be absent. When an absence is excused, the faculty member will provide a reasonable time after the absence for the student to complete an assignment, for an examination missed will duplicate the highest exam grade that the student had. Any student who misses a class over two absences without informing the instructor of valid

reasons, and obtaining approval, will lose the chance for the bonus credit.

Content Responsibility Policy:

Students are responsible for all content presented during class and required readings from the textbook. While attendance will be taken in class, you will be expected to know and understand the requisite topics and concepts. If you are confused or unsure about anything, please ask me or the TAs/IAs.

ODA:

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to 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 see the Office of Disability Accommodation website at <http://www.unt.edu/oda>. You may also contact them by phone at **940.565.4323**.

GenAI Use

In this course, you are encouraged to use Generative AI (GenAI) tools such as Claude, ChatGPT, and Gemini to support your learning and develop skills for a GenAI-oriented workforce. This use will help us stay technically proficient and ethically grounded.

However, GenAI should complement, not replace, our course materials. If something seems unclear, feel free to ask.

I use GenAI to enhance materials, streamline tasks, generate prompts, create scenarios, draft syllabi, build study guides, analyze performance. I will always disclose how I use GenAI, and I expect the same from you.

In line with the UNT Honor Code, all work you submit must be your own. Using GenAI tools without attribution or relying on them to complete assignments violates academic integrity and will be addressed according to our policy.

Academic Integrity and Collaboration:

UNT policy 06.003 defines the following breaches of academic integrity:

1. **Cheating.** “Cheating” means 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. use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
 - c. use, without permission, of tests, notes, or other academic materials belonging to instructors, staff members, or other students of the University;
 - d. dual submission of a paper or project, or resubmission of a paper or project to a different class without express permission from the instructor;
 - e. any other act designed to give a student an unfair advantage on an academic assignment.
2. **Fabrication.** “Fabrication” means falsifying or inventing any information, data, or research outside

of a defined academic exercise.

3. **Facilitating Academic Dishonesty**. “Facilitating academic dishonesty” means helping or assisting another in the commission of academic dishonesty.
4. **Forgery**. “Forgery” means intentionally falsifying or altering a score, grade, or official academic University record or the signature of another.
5. **Plagiarism**. “Plagiarism” means 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, or
 - 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
6. **Sabotage**. “Sabotage” means 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. 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. For more information see the [UNT Student Academic Integrity Policy](#).

Collaboration Policy:

For each assignment, exam, and quiz, all work is expected to be your own and no collaboration is allowed. However, for the weekly practice problems and any non-graded, practice assignments, students are encouraged to work together to solve problems.

Syllabus Revisions:

This syllabus may be modified as the course progresses should the instructor deem it necessary. Notice of changes to the syllabus shall be made through Canvas and/or in-class announcements.

Assessment Policy:

For each graded exam and quiz, you are not allowed to use your cell phones for any reason during an exam or quiz. For exams, a note sheet will be allowed, and the specifics of this will be discussed during the exam review.

Grading Breakdown:

Assignments & Examinations	Total Percentage
zyBook Activities (drop the lowest)	20%
Practice Problems (drop the lowest)	15%
Quizzes (drop the lowest)	15%
Midterm Exam 1 & 2	25%
Final Exam	25%

Midterm Exam 1: Week 4

Midterm Exam 2: Week 7

Final Exam: Week 10