

CSCE 1040 Computer Science II

Syllabus, Summer 2026 10W

Instructor:	Dr. Haili Wang
Office:	NTDP E260E
Email:	haili.wang@unt.edu • Include CSCE 1040.501 in the subject line. • Always use your official UNT email address.
Class Time	TuTh 10:00AM - 11:50AM Section 501 (FRLD 346)
Office Hours:	Office hours are flexible and available after class or online by appointment. Please feel free to speak with me after class or contact me to schedule a meeting time that works best for you.
Zoom link:	https://unt.zoom.us/j/6111962188
Prerequisite(s):	CSCE 1030 and MATH 1100, each with a grade of C or better.

TAs/IAs: **Iqbal, Fahmid Shahriar**

Email: FahmidShahriarIqbal@my.unt.edu

Office hour: see the canvas page.

Catalog Description

Continuation of CSCE 1030. Software design, structured programming, object-oriented design and programming.

Course Outcomes

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

1. Write readable, efficient, and correct C++ programs for all programming constructs defined for Programming Fundamentals I plus dynamic memory allocation, bit manipulation operators, exceptions, classes, and inheritance.
2. Design and implement recursive algorithms in C/C++.
3. Use common data structures and techniques such as stacks, queues, linked lists, trees, and hashing.
4. Create programs using the Standard Template Library.
5. Use a symbolic debugger to find and fix runtime and logical errors in C software.
6. Using a software process model, design and implement a significant software application in C++. Significant software in this context means a software application with at least five files, ten functions and a make file.
7. Implement, compile, and run C++ programs that include classes, inheritance, virtual functions, function overloading and overriding, as well as other aspects of Polymorphism.

Expected Student Outcomes:

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

Computer Engineering Students:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Computer Science Students:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Apply computer science theory and software development fundamentals to produce computing-based solutions.

Information Technology Students:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.

Textbook:

We are using a zyBooks text this semester as the required textbook.

zyBooks code: **UNTCSC1040WangSummer2026**

1. Click any zyBooks assignment link (Connect to zyBooks) in your learning management system (Do not go to the zyBooks website and create a new account)
2. Subscribe

You must subscribe using your UNT e-mail so that it can be tracked back to Canvas as you must access all assignment links to zyBooks through Canvas. Any issues with your zyBooks account (such as not recording grades on Canvas for completed zyBooks assignments) can be addressed by sending an email to support@zybooks.com and detailing the issue.

Recommended Reference Book

Walter Savitch, Problem Solving with C++, 9th Edition, Addison-Wesley

ISBN-10: 0133591743

ISBN-13: 978-0133591743

I reserve the right to modify course policies, the course calendar, assignment or project point values, and due dates.

This course has digital components. To fully participate in this class, students will need internet access to reference content on the Canvas Learning Management System, zyBooks, PuTTY (or similar tool) to connect to the CSE servers, and WinSCP (or similar tool) to upload/download files from the CSE servers. If circumstances change, you will be informed of other technical needs to access course content. Information on how to be successful in a digital learning environment can be found at [Learn Anywhere](#).

Course Evaluation

The Student Perception of Teaching (SPOT) survey is a requirement for all organized undergraduate classes at UNT. This short survey will be made available to you at the end of the semester, providing you with a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider SPOT to be an important part of your participation in this class.

Also, the ABET survey, which is separate from the SPOT, may be available at the end of the semester. The purpose of this survey is to give you the opportunity to give feedback on the course. Your feedback gives the instructor and department feedback that is used as part of ABET accreditation.

ADA Statement

The University of North Texas makes reasonable accommodation for students with disabilities. To request accommodation, you must first register with the Office of Disability Access (ODA) by completing an application for services and providing documentation to verify your eligibility each semester. Once your eligibility is confirmed, you may request your letter of accommodation. ODA will then email your faculty a letter of reasonable accommodation, initiating a private discussion about your specific needs in the course.

You can request accommodation at any time, but it's important to provide ODA notice to your faculty as early as possible in the semester to avoid delays in implementation. Keep in mind that you must obtain a new letter of accommodation for each semester and meet with each faculty member before accommodation can be implemented in each class. You are strongly encouraged to meet with faculty regarding your accommodation during office hours or by appointment. Faculty have the authority to ask you to discuss your letter during their designated office hours to protect your privacy. For more information and to access resources that can support your needs, refer to the [Office of Disability Access](#) website (<https://studentaffairs.unt.edu/office-disability-access>).

Acceptable Student Behavior

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 Dean of Students 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 classroom,

labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at <https://studentaffairs.unt.edu/dean-of-students/conduct>

Emergency Notification & Procedures:

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Canvas for contingency plans for covering course materials or change in calendar per the [Emergency Notifications and Procedures Policy](#).

Grading Policy

The various components of your grade are weighted as follows:

Attendance	up to 2% as bonus
Lab Assignments	20% drop 1
Participation Assignments (zyBooks, and in class activities)	15% drop 1
Challenge Assignments (zyBooks)	10% drop 1
Homework/Projects	15%
Lab Assessments 1-3 (in person)	30%
Final Exam (online)	10%

Your final letter grade will be based on your total score:

Total score ≥ 90 : A

Total score ≥ 80 and <90 : B

Total score ≥ 70 and <80 : C

Total score ≥ 60 and <70 : D

Total score <60 : F

Grades will be posted on Canvas throughout the semester to provide an ongoing assessment of student progress, **though the final assessment will be measured using the weighted average above**. Once a grade is posted on Canvas, students have **two (2) weeks** to dispute the grade (but not in the last assignment/homework or final exam, usually), unless otherwise instructed. The proper channel for grade disputes is to first go to the original grader (either the TA or IA) to resolve the issue. If, however, a resolution cannot be reached between the student and the grader, the student shall then go to the instructor, who will have the final say on the grade. All the assignments are due at 11:59 pm on the due date.

Lab Assignments: Students are responsible for submitting the correct assignments (i.e., uploading the proper files) for each applicable assignment submission on Canvas or zyBooks. A missed lab due to tardiness or absence in the lab may result in a grade of 0 for the missed lab. The lowest lab assignment grade will be dropped.

Participation and Challenge Activities: The participation and challenge activities grades will be based on the timely completion of assigned Participation Activities and Challenge Activities, respectively, in the required zyBooks e-book. **Pay special attention to see that your zyBooks**

scores match your Canvas scores for these activities. Your assignments are autograded, so your Canvas score must populate immediately after you submit on zyBooks. If they don't, start the activity on Canvas and submit again.

Homeworks: Programming assignments will not be accepted late beyond a 30-minute grace window unless there are verifiable system problems or outages of service on Canvas. Partial credit will only be given for programs that compile but are not complete. **No regular or late credit will be given for programs that do not compile on the CSE Linux servers or in the E-Book environment as assigned! The only points you may earn for non-compiling assignments are any points for design or report components.** If you are having trouble with an assignment, please consult with your instructor, TAs, IAs, or Peer Mentors associated with the class.

Assessment Exams: There will be three assessment examinations given in this course. These exams will be given during the assigned lab section to assess the student's programming ability. Please check the Lab Exams weeks in the Tentative Class Schedule table in this syllabus. The dates of these exams will be posted on Canvas and/or announced in class at least one week prior to the date of the exams as a reminder. A make-up exam will be given at the discretion of the instructor when a student misses an exam with an excused absence. Unexcused absences on the date of an exam may result in a grade of 0 for the missed exam, so every effort should be made to attend class on the day of a scheduled exam.

Final Exam: There will be a final exam during the scheduled exam time on the following day:

- **Section 501:** Tuesday, July 21, 2026 (10:00 a.m. to 12:00 a.m.).

The Final Exam will be given online via Canvas on the above dates (***you do not need to come to the UNT, but make sure that you have a quiet environment and a good internet connection***). All students are expected to take the final exam during the scheduled time period.

Course Policies

Lecture Section: Class attendance is regarded as an obligation as well as a privilege. All students are therefore expected to attend each class meeting. A student who misses class is still responsible for finding out what was discussed and learning the material that was covered and obtaining the homework that was assigned on the missed day. The instructor is not responsible for re-teaching material missing by a student who did not attend class. Therefore, each student is accountable for and will be evaluated on all material covered in this course, regardless of attendance. If there are extenuating circumstances preventing you from attending the class, please notify your instructor so that you can work together to ensure your success in learning the material.

Lab Attendance Policy:

- Attendance in lab assessments (lab exams) is mandatory.
- Attendance for the regular lab sessions is optional but highly encouraged.
- If you cannot attend your assigned regular lab session for the lab assessments (lab exams), you may switch to another lab section for that week. This must be coordinated and approved by the TAs or instructor in advance. Last-minute switches are discouraged and may not be accommodated.

- **Exceptions:** Exceptions to these policies will be considered on a case-by-case basis. These may include medical emergencies or other extenuating circumstances. Documentation may be required to support your request.

Programming Assignments: Starting early on programming projects is strongly encouraged. Students typically have great difficulty completing their projects one night the day before they are due. Students are allowed to discuss program design and other high-level issues with each other. Students are also allowed to help each other understand specific compiler or runtime error messages. Copying all or part of another person's program is strictly prohibited and will be treated as cheating. All programs will be submitted through the class Canvas website. No assignments will be accepted for grading via email or on paper.

Communications: The instructor, peer mentors and TAs require a current copy of the program when a student is asking a question about a program. Questions must be specific. Please do not send a program and simply say "This does not work". Also, please be prepared to show and explain your design when asking questions. If you have not completed a design, then the TA, Peer Mentor or Instructor may require you to complete one before answering questions about program logic for your code.

Course Status: All pertinent information about the class (assignments, exam reviews) is available via the class webpage. If there is ever a question as to when something is due, or an additional copy of a course document is needed, ALWAYS check the class webpage. If you feel there is incorrect or missing information on the class website, email the instructor about the problem immediately. Electronic mail (email) will be a major means of communication with the instructor outside of actual classroom discussions.

Please keep this information sheet handy during the semester and always periodically check the class homepage for any course information, including scheduling of programming assignments, exams, and exam reviews.

Class Notes and Programming Examples

The lecture slides will be available on Canvas. The programming examples provided in the class will be available on Canvas as well. You can bring your own computer to the class and type along with me during the programming demonstrations.

Academic Integrity

This course follows UNT's policy for Student Academic Integrity that can be found at <https://policy.unt.edu/policy/06-003> as well as the Cheating Policy for the Department of Computer Science and Engineering (posted on Canvas). Specifically, the first instance of a student found to have violated the academic integrity (i.e., cheating) policy may result in a grade of "F" for the course and have a report filed into the Academic Integrity Database, which may include additional sanctions. And although you may seek assistance from your TA/IA, Peer Mentors, and other students during the lab session for non-exam lab assignments, you are required to work on your own lab assignment and turn in your individual work to Canvas before the lab session is complete, unless directed otherwise. Individual programming assignments (i.e., projects) given

outside of the lab in this course are meant to be problem-solving exercises and must be the sole work of the individual student. You should not work with other students on shared program solutions or use program solutions found on the Internet. **You should not work with other students on shared program solutions or use program solutions found on the Internet or use answers from Generative AI/LLMs such as ChatGPT, Gemini, or Copilot, etc.** Specifically, you should never copy someone else's solution or code and never let a classmate examine your code. A sophisticated program will be used to compare your work to the work of all other students (including students in past classes). If you are having trouble with an assignment, please consult with your instructor, TAs, IAs, or Peer Mentors associated with the class. You must do your own work on participation and challenge assignments as well as exams. There should be no ambiguity here. In case the above description and in-class discussion of appropriate and inappropriate collaboration do not answer all of your questions, please meet with your instructor and look at the university Student Rights and Responsibilities web page.

All department policies on Academic Integrity and Student Conduct apply for this course – these are available at the following link:

<https://engineering.unt.edu/cse/students/resources/academic-integrity.html>. Any exceptions to these guidelines are noted explicitly in the syllabus.

A more complete policy will be made available soon, but for now be aware the "unauthorized" use of any person or technology that assists in a student's assignment, project, or paper is considered cheating under the UNT Student Academic Integrity Policy (UNT Policy 6.003). Unless a professor or instructor gives explicit "authorization," AI cannot be used to assist in the completion of assignments, projects, or papers. Doing so will result in a "cheating" violation. Again, if uncertain contact the instructor prior to using AI tools.

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 class announcement.

Tentative Class Schedule (subject to change):

Week	Date	Material Covered	Remarks
1	05/18 - 05/22	Syllabus, M1: Introduction and Review (Structures, Pointers, Dynamic Memory)	Lab0 (optional), Lab1
2	05/25 - 05/29	M1: Introduction and Review M2: Classes and Objects	Lab2
3	06/01 - 06/05	M2: Classes and Objects, M3: Constructors and Destructors, Copying objects, Review	Lab3, Lab4
4	06/08 - 06/12	M4: Standard Template Library	Lab5, Lab Exam 1
5	06/15 - 06/19	M4: Standard Template Library, M5: Data Structures and Tools, Review	Lab6, Lab7
6	06/22 - 06/26	M5: Data Structures and Tools, M6: Recursion	Lab8, Lab Exam 2

7	06/29 - 07/03	M7: Inheritance	Lab9, Lab10
8	07/06 - 07/10	M7: Inheritance, M8: Exceptions, Review	Lab11, Lab12
9	07/13 - 07/17	M8: Exceptions, M9: Class and Function Templates	Lab Exam 3
10	07/20 - 07/24	Final Exam Review	Final Exam

Important Dates:

05/18: First day of term

05/25: Memorial Day (Monday) – No Classes

06/18: Juneteenth Observance (Thursday) - No Classes

07/04: Independence Day (observed on July 3rd, Friday) - No Classes

07/24: Last day of term

See [UNT Summer 2026 Semester Calendar](#)