

Computer Science 1/CSCE 1030.400- Fall 2026

Instructor Information

Course Instructor: Dr. Pradhumna Shrestha

E-mail Address: pradhumna.shrestha@unt.edu

- Include CSCE 1030.400 in subject line
- Always use your official UNT email address. I will NOT reply to an external email address since it violates UNT policies.
- I will reply to your email within 2 business days, if you don't see a response, something is wrong. Please resend the email.

Office Hours: TuTh 12.30 PM-1.30 PM @F265 or via appointment

Zoom Link: <https://unt.zoom.us/j/3251832551> (email me for appointment)

Course Description, Structure, and Objectives

COURSE DESCRIPTION

This course provides an overview of computers and programming. The focus is on problem analysis and techniques used in the development of algorithms and computer programs using a modern programming language. Topics include data types, expressions, statements, and operators, input/output, conditional statements, iteration, functions, lists, and debugging. No prior knowledge of programming is assumed.

PREREQUISITE(S)

MATH 1650 (or higher) with a grade of C or better. CSCE 1010 with a C or better

Co-REQUISITE(S)

CSCE 1015

REQUIRED TEXT(S)

A departmentally selected textbook and Internet-based resources are used in this course. Details on learning resources and reference materials are provided by the instructor at the beginning of each course section.

Programming in Python 3 with zyLabs, Bailey Miller, Available from <https://www.zybooks.com>.

SUGGESTED OPTIONAL REFERENCE TEXT(S)

The Fundamentals of Python: First Programs, Kenneth A. Lambert, Cengage Learning, 2011, ISBN: 978-1111822705.

Starting Out With Python, 4th Edition, Tony Gaddis, Pearson, 2014, ISBN 0-13-444432-9.

Federal regulations state that students may apply only 3 fully-online semester credit hours (SCH) to the hours required for full-time status for [F-1 Visa \(DOC\)](#) holders. Full-time status for F-1 Visa students is 12 hours for undergraduates and 9 hours for graduate students.

COURSE OUTCOMES

Upon successful completion of this course, the student will be able to:

1. Make use of a computer system's hardware, editor(s), operating system, system software, and network to build computer software and submit that software for grading.
2. Demonstrate understanding of basic programming structures such as variables, console and file I/O, branching, loops, functions, classes and modules using a suitable computer software in a modern programming language.
3. Demonstrate ability to perform string operations using a modern programming language.
4. Show understanding of data structures such as lists and directories using a modern programming language.
5. Show understanding of inheritance and exception handling using a modern programming language.
6. Use commonly accepted practices and tools to find and fix syntax, runtime, and logical errors in software.

ADA accommodation statement:

The University of North Texas makes reasonable accommodations for students with disabilities. To request accommodations, 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 accommodations 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 accommodations can be implemented in each class. You are strongly encouraged to meet with faculty regarding your accommodations 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>).

Academic Success Resources

UNT strives to offer a high-quality education in a supportive environment where you can learn, grow, and thrive. As a faculty member, I am committed to supporting you, and I want to remind you that UNT offers a range of mental health and wellness services to help maintain balance and well-being. Utilizing these resources is a proactive way to support your academic and personal success. To explore campus resources designed to support you, check out [mental health services](#) (<https://clear.unt.edu/student-support-services-policies>), visit [unt.edu/success](#), and explore [unt.edu/wellness](#). To get all your enrollment and student financial-related questions answered, go to [scrappysays.unt.edu](#).

Tentative Course Schedule

Week	Lecture	Lab	Projects
08/17-08/21	Syllabus, Introduction to Python	-	
08/24-08/28	Variables and Expressions	Lab 1	
08/31-09/04	Types	Lab 2	
09/07-09/11*	Branching	Lab 3	
09/14-09/18	Loops, Review for Exam 1	Lab 4	
09/21-09/25	Functions	Programming Exam 1	
09/28-10/02	Strings	Lab 5	Project 1 Due
10/05-10/09	Lists and Dictionaries	Lab 6	
10/12-10/16	Lists and Dictionaries, Review for Exam 2	Lab 7	
10/19-10/23	Recursion	Programming Exam 2	
10/26-10/30	Classes	Lab 8	Project 2 Due
11/02-11/06	Inheritance	Lab 9	
11/09-11/13	Files, Review for Exam 3	Lab 10	
11/16-11/20	Exceptions	Programming Exam 3	
11/23-11/27**	Thanksgiving Break	Thanksgiving Break	
11/30-12/04	Modules, Python Packages	Lab 11	Project 3 Due
12/07-12/11	Finals Week	-	

Labor Day (no classes, university closed) September 7, 2025

Thanksgiving Break (no classes) November 23-29, 2025

Campus Closure

Students will be notified through Eagle Alert of any campus closure that affects scheduled classes. In the event of a campus closure, course schedules and deadlines may be adjusted as necessary. The course calendar is subject to change, and students are responsible for monitoring university communications and complying with the University of North Texas Campus Closures Policy. [Campus Closures Policy \(https://policy.unt.edu/policy/15-006\)](https://policy.unt.edu/policy/15-006).

Attendance and Participation

Lecture Videos (Asynchronous)

Since this is a flipped class, we don't have traditional, in-person lectures. Instead, I'll post the week's lecture videos and prep materials on the course site every Monday morning. You can watch them on your own schedule, but please make sure to review them before coming to lab. Think of these videos as your essential prep work—watching them ahead of time ensures you have the background context needed to jump right into the weekly activities.

In-Person Labs (Mandatory)

Unlike the videos, labs are completely in-person, and showing up is mandatory and graded. The whole point of the flipped classroom is to use our face-to-face time for hands-on practice, collaboration, and troubleshooting. I'll take attendance at the start of every session, and it counts as a direct part of your grade. Missing a lab without a pre-approved reason means missing out on that day's assignment and participation points, so please make every effort to be there on time.

Assessing Your Work

Your course grade will be a weighted average according to the following:

- Lab Attendance 5%
- Participation Activities 5.0%
- Challenge Activities 10.0%
- Lab Assignments 15.0%
- Projects 1-3 (5% +5% + 5%) 15%
- Programming Exam 1 15.0%
- Programming Exam 2 15.0%
- Programming Exam 3 15.0%
- Final Exam 5%

Grades will be posted on Canvas throughout the semester to provide an ongoing assessment of student progress, though final assessment will be measured using the weighted average above. **Once a grade is posted on Canvas, students have one week to dispute the grade.** The proper channel for grade disputes is to first go to the original grader (either the TA or IA) in an attempt 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.

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 zyBook e-book. **Pay special attention to see that your Zybook 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. You have two (2) weeks after the grade is available to**

dispute the grade if they do not match, unless otherwise instructed. You can also email support@zybooks.com to get technical support from Zybooks, please copy me in the email.

Lab Assignments:

Lab assignments will be assigned and must be completed by the deadline. The lab assignment will be available at 12.01 AM on Mondays and will be due at 11.59 PM on Fridays. Late submissions will not be accepted. If you are late by a few minutes, email me. I may accept the assignment with a possible late penalty depending on circumstances.

Attendance is required to get the grade for the lab. A missed lab due to tardiness or absence will result in a grade of 0 for the missed lab.

Projects:

There will be three projects assigned during the semester. **Late submissions will not be accepted** and receive a grade of 0. If you are late by a few minutes, email me. I may accept the assignment with a possible late penalty depending on circumstances.

Programming assignments are designed to help you practice your coding on a larger project with various functionality. If you are having trouble with an assignment, please consult with your instructor/TAs associated with the class, or you can schedule an appointment with me.

Programming Exams:

The programming exams will be given to assess the student's programming ability. The exact date of the exam will be posted on Canvas and/or announced in class at least one week prior to the date of the exam. 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 will 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:

The final exam will be given on Canvas and can be taken remotely. You will need Lockdown Browser and a functioning web camera, speaker and microphone to take the test. More information about the final exam will be provided a few weeks before the exam.

ACADEMIC INTEGRITY

This course follows UNT's policy for Student Academic Integrity which 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 will result in a grade of "F" for the course and have a report filed into the Academic Integrity Database, which may include additional sanctions. Collaboration with other students is only acceptable for lab assignments that are not given as part of an exam. 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 still 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. 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.

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.

GenAI Use

Prohibited Use: *In this course, I want you to engage deeply with the materials and develop your own critical thinking and writing skills. For this reason, the use of Generative AI (GenAI) tools like Claude, CoPilot, ChatGPT, and Gemini is not permitted. While these tools can be helpful in some contexts, they do not align with our goal of fostering the development of your independent thinking. Using GenAI to complete any part of an assignment, exam, or coursework will be considered a violation of academic integrity, as it prevents the development of your own skills, and will be addressed according to the [Student Academic Integrity policy](https://policy.unt.edu/policy/06-003) (<https://policy.unt.edu/policy/06-003>).*

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.