DEPARTMENT *of* COMPUTING

College of Business & Technology

EAST TENNESSEE STATE UNIVERSITY

Course Syllabus – Fall 2024

CSCI 1250 – Introduction to Computer Science

The Stuff You're Looking For…

Contact Information

Instructor: William H Rochelle (Rook)
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Office: BlueSky 2.2176

Office Hours

Tuesday:	12:00pm – 2:00pm
Thursday:	12:00pm – 2:00pm
Friday:	Varies. Email at least 48h in advance to schedule.

Class Meeting Schedule

Meeting Days: Monday, Wednesday
Meeting Time: 10:35pm – 12:35pm
Location: BlueSky 2.X
Start Date: August 26, 2024
End Date: December 12, 2024

Prerequisites

- Currently enrolled or satisfied CSCI 1100

Weighted Averages for Assignments

Attendance:	10%
Quizzes:	15%
Projects:	35%
Tests:	40%

Awarded Letter for Earned Grade

A (4.0):	93 or above
A- (3.75):	90-92
B+ (3.25):	87-89
B (3.0):	83-86
B- (2.75):	80-82
C+ (2.25):	77-79
C (2.0):	73-76
C- (1.75):	70-72
D+ (1.25):	67-69
D (1.0):	60-66
F (0):	60 or below

* Be sure to review "Other Grading Policies" below.

Things You Need

Software

Students need consistent and reliable access to a computer to run the software listed below as well as reliable internet access to complete this class. In addition, the computer should meet minimum specs according to the software vendor sites. (Linux, Mac, or Windows Required)

- **D2L:** http://elearn.etsu.edu. D2L will facilitate resource distribution, homework submission, grade reporting, and other class elements. Students should regularly check D2L for announcements and grades.
- **diagrams.net:** https://www.diagrams.net/ . A tool used to create visual diagrams and other charts.
- **.NET:** https://dotnet.microsoft.com/en-us/. .NET is a free, cross-platform, open-source developer platform for building many different types of applications.
- **Visual Studio:** Visual Studio is a source-code editor made by Microsoft for Windows, Linux and macOS.
- **GitHub** – https://github.com. Provider of Internet hosting site for software development and version control using Git.

- **Python (>3.9)** – Python is an open-source interpreted scripting language with myriad applications.
- **Visual Studio Code** – https://code.visualstudio.com

Reading Materials

In addition to the listed readings below, the instructor may provide additional materials at their discretion.

- Bill Wagner. "C# Docs - Get Started, Tutorials, Reference." C# Docs - Get Started, Tutorials, Reference. | Microsoft Docs, https://docs.microsoft.com/en-us/dotnet/csharp/.
- Python Documentation: https://docs.python.org/3/
- Python Tutorial: https://docs.python.org/3/tutorial/

Course Information

Credit Hours: 4

Description: Introduces all aspects of the programming and problem-solving process and the elements
of good programming style. A high-level language is used as a vehicle for introducing these concepts.
Laboratory use of the computer in designing, coding, debugging, and executing programs is an integral
part of the course.

Course Objectives

The purpose of this course is to introduce students to problem solving and programming. Students will learn to solve problems through problem analysis, decomposition, and modeling. Students will be introduced to the basics of programming such as variables, looping, and decision structures. Students will develop an understanding of proper documentation as well as coding conventions and style.

The department's objectives for offering this course are to:

- Provide students with an understanding of foundational computer science topics.
- Prepare students for a career in computing or related fields.
- Provide students with a framework for problem solving.

Learning Outcomes

Upon completion of this course, students should be able to:

1. **Produce** solutions to simple problems in a managed programming language.
2. **Develop** algorithms for solving simple problems.
3. **Describe** and **implement** a prescribed programming style.
4. **Write** code that uses fundamental programming concepts: Assignment, Input/Output, Selection, Iteration, and Functions.

Major Topics

- Computational Thinking
- Introduction to Computers and Programming
- Development Environments
- Coding Standards
- Code Repository Management
- Input/Output
- Data Types
- Decisions
- Loops
- Function Creation
- Abstraction
- Classes and Objects
- Files (Input/Output Extended)
- Collections
- Ethics in Computer Science

Other Grading and Assignment Policies

The Grade of "Incomplete"

A grade of "I" (incomplete) indicates that a student was passing the course at the end of the semester, but due to circumstances beyond the student's control, was unable to complete the course requirement. It also indicates that the student has received consent from the instructor to complete the work for which an "I" is assigned.

The "I" grade cannot be used to allow a student to do additional work to raise a deficient grade or to repeat a course. An "I" grade must be removed no later than one calendar year from the time the grade is awarded. An "I" grade not removed under the guidelines noted above will be converted to an "F." When an "I" grade converts to an "F" after one calendar year, the GPA is adjusted retroactively; consequently, a student may be subject to dismissal without a probationary term.

A student cannot withdraw from or drop a course after a grade of "I" has been assigned or after one year has elapsed. To remove an "I" grade, the student must complete the work independently and must not register for the course a second time or attend the same course at a later time in order to complete the course requirements. Incomplete grades are not removed until a new grade is recorded in the Office of the Registrar.

Late Submissions and Makeup Exams

In general, late submissions for any assignment **will not** be accepted for this course. Exceptions may be made for a legitimate excuse (such as an illness or athletic/academic event) that is **documented in advance** of the deadline. The instructor reserves the right to adjust this policy in the event of extreme circumstances.

Submission Guidelines

Unless otherwise stated, each assignment will be posted on D2L as either an **Assessment** or **Dropbox** item. The due date will be specified in D2L's system, as well as on the **Course Schedule** posted separately on D2L. Of the two, trust the **Course Schedule** document over D2L if there happens to be an inconsistency.

Working Together on Assignments

The instructor acknowledges the benefit of group problem solving and encourages students assisting one another. Students should feel comfortable discussing complex course topics to achieve a better understanding, explaining new topics, and how to correct errors. Students are encouraged to seek help from current students, former students, online resources, and other faculty members unless otherwise stated by the assignment. Examples of assignments where group assistance is not permitted includes, but is not limited to: tests, quizzes, and exit tickets.

Students who worked together on a project or assignment are still responsible for submitting individual work, unless otherwise stated by the assignment, and adhering to ETSU's policy on academic integrity. **Students are not permitted to copy, paraphrase, or recycle anyone else's work.**

Academic and Classroom Misconduct

Please review the following resources concerning Academic Integrity:
- Academic Integrity and Misconduct
- ETSU Honor Code
- ETSU Honor Pledge
- ETSU General Policy on Student Conduct and Disciplinary Sanctions

In short, **all submitted work should be your own.** Students are not permitted to share code for programming assignments, or other written solutions, for assignments. Students are not permitted to submit code, or other written solutions, for assignments that they did not write/create. Students are not permitted unauthorized materials during quizzes, tests, or other stated assignments, unless otherwise stated by the assignment.

Code snippets not written by yourself (e.g., textbooks, websites, Q&A message boards, Generative AI), **MUST be cited.**

The instructor agrees to notify the student of the determination of academic misconduct as soon as possible. If another act of academic misconduct occurs before notice of discovery of a previous act of academic misconduct, it will be treated as a separate incident.

Penalties for Academic Misconduct

Penalties will be imposed at instructor's discretion, typically based on an assignment's relative importance to the overall grade and a student's history of academic misconduct. The **first offense** of academic misconduct may result in a penalty on the test, quiz, or other assignment **up to a 100% reduction**. The **second offense** of academic misconduct may result **in a grade of "F" for the course**.

Prior to applying a grade sanction for academic misconduct, the instructor must consult with the department chair. The level of the consultation will be at the chair's discretion. Written notice is sent to the student's ETSU email account within seven business days of assigning the grade sanction. Students reserve the right to appeal the decision to impose a grade sanction.

Upon determination of academic misconduct, the instructor reserves the right to review previous submissions of other assignments. **The grade for a previously graded assignment may be changed** if it becomes evident that the student committed academic misconduct while completing the assignment.

All penalties of academic misconduct are tracked by the university. If the instructor determines that a student or group of students has engaged in academic misconduct, it will be reported to College of Business and Technology. Know and understand your right to appeal a grade.

Turnitin Plagiarism Detection

Turnitin is a web-based originality checking service. It searches more than 4.5 billion publicly accessible Internet sites, millions of documents from ProQuest databases, the Gutenberg collection of literary classics, and several million student papers submitted to Turnitin since 1996. ETSU faculty may use Turnitin to help students develop their writing and citation skills and to ensure academic integrity. Any instance of plagiarism detected by Turnitin will be reviewed by the instructor to determine if an instance of academic misconduct has occurred.

Grade Appeal Process

A student may appeal a course grade if the student has evidence that the grade was assigned in a malicious, capricious, erroneous, or arbitrary manner. Please review ETSU's grade appeal process here:

https://catalog.etsu.edu/content.php?catoid=46&navoid=1906#grade-appeal-policy

Expectations and Other Course Policies

Students should conduct themselves professionally by showing mutual respect between each other, the instructor, and other faculty. Professional behavior includes arriving on time, arriving prepared for class, paying attention when others are speaking, and fostering an inclusive and friendly environment for other students. **Students who are unable to conduct themselves professionally and with mutual respect for other students or the instructor will be asked to leave the classroom.**

This class meets in-person twice a week in a synchronous lecture format. Students are highly encouraged to ask for help during office hours.

The Office of Post-secondary Education, Department of Education in Code of Federal Regulation (CFR) 34 Section 600.2 states that **students should expect a <u>minimum</u> of 2 hours of out-of-class work each week for each hour of in-class instruction**. For example, a 4 credit hour course that meets twice a week for 2 hours has 4 hours of in class instruction, therefore the student should spend at least 8 per week doing assignments and/or studying for that course at home, for a total of 12 hours dedicated to that course each week.

Communicating with the Instructor

Email is the primary and recommended form of communication between instructor(s) and student(s). Please include course number and section in the subject line of the Email (e.g., CSCI 1250 003). The instructor will respond to emails within a reasonable amount of time; however, **students should not expect a reply outside of ETSU's working hours (8:00am – 4:30pm)**.

Please be aware of this as you work through assignments, and plan accordingly. **The instructor will not respond to electronic communication other than correspondence via ETSU Email.**

Students should send all Emails from their own student ETSU Email address.

In addition to email communication, students are highly encouraged to seek assistance during office hours. If the instructor's posted office hours are not amenable to the student's schedule, students are encouraged to schedule a meeting.

Entertainment Technologies in the Classroom

Do not bring entertainment technologies into the classroom. This includes, but is not limited to, portable DVD players, video game consoles and selfie sticks. Cell phones, tablets and laptops are permitted to be in the classroom, but **should be put away during tests and quizzes, as well as other assignments if the device is not being used to complete that assignment**. Additionally, cell phones should be silenced during class. Should an emergency call occur, please step outside of the classroom before answering the call. Under no circumstance should a cell phone, laptop computer, or other electronic device be used to watch entertainment videos during class, e.g., Netflix, YouTube, TikTok. **Students found in violation of this policy will be asked to leave the classroom.**

Disabilities and Accommodations

It is the policy of ETSU to accommodate students with disabilities, pursuant to federal law, state law and the University's commitment to equal educational opportunities. Any student with a disability who needs accommodations, for example note taking assistance, exam time adjustment or seating placement, should meet with Disability Services. Faculty accommodation forms are provided to eligible students and should be shared with the instructor as early in the semester as possible. Disability Services can be reached via telephone at (423) 439-8346 or web at https://www.etsu.edu/students/ds/.

Students may choose to not utilize the accommodations even though they are approved for them. If students choose to use their testing accommodations, they may make arrangements with the instructor, or schedule their exams with Disability Services; preferably five days in advance.

The instructor cannot provide special accommodations for tests, quizzes, or other assignments to students without a notice from Disability Services. The instructor encourages students to contact Disability Services early in the semester even if they do not intend to use their accommodations. Disability Services can issue temporary accommodations, including parking, for temporary disabilities, e.g., waiting on a broken leg to heal.

Other University Information and Resources

- Syllabus Attachment: https://www.etsu.edu/curriculum-innovation/syllabusattachment.php
- ETSU Catalogs: https://catalog.etsu.edu/