

CSE 150 – Intro to Computer Science

School of Business, Equine and Sport Studies

Spring 2025 Syllabus

Part 1: Course Information

Intro to Computer Science

TRD01, Spring 2025, 3 credit hours

Little Memorial Library LLIB 108

Course Description

This course provides a broad overview of the computer field and helps students explore the vast array of professional paths that this major prepares them for, including the current hot field of artificial intelligence.

Instructor Information

Instructor: Xinxing Wu, Ph.D.

Office: Starks 215D

Office Hours: M/W/F 11:50 AM – 12:50 PM, 1:50 PM – 2:50 PM;
T/TH 12:00 PM – 2:50 PM

Office Telephone: 859-846-4421 (office)

Email: xinxing.wu@midway.edu (best way to reach me)

Textbook & Course Materials

Required Text

- **Computer Science An Overview**, 13th edition, Glenn Brookshear and Dennis Brylow, Pearson, 2019, ISBN: 978-0-13-487546-0

Course Requirements

- Internet connection (DSL, LAN, or cable connection desirable)
- Access to Canvas, Teams, and others (See Part 6 for more information on accessing tools and technical requirements)

Course Structure

This course is taught in the seat. It is a combination of lectures, activities in the computer lab, and work outside of class time practicing concepts.

Online Resources

The course will use several tools to help facilitate learning. Tools include ERDplus, w3schools/SQL, w3schools/Python, Scikit-learn, SQLite, DB Browser for SQLite, Google Colab, and GitHub. In addition,



- IDE – Thonny <https://thonny.org/>
- CSS <https://www.w3schools.com/css/default.asp>
- HTML <https://www.w3schools.com/html/default.asp>
- JavaScript <https://www.w3schools.com/js/default.asp>
- Openshot <https://www.openshot.org/>
- Microsoft Clipchamp <https://clipchamp.com/en/windows-video-editor>

Access to these tools will be provided as part of the course materials.

Part 2: Student Learning Outcomes

Course Learning Outcome	Evaluation(s)	PLO Alignment
Identify and understand the importance of essential skills required for a successful career, including oral and written communication skills	Homework Assignments, Exam	Analyze data needs of an organization and model, build and query databases that support decision-making.
Learn how teamwork integrates throughout information technology.	Homework Assignments, In-class activities	Equip students with skills and techniques to successfully create efficient and effective programs.
Develop IT policies that include privacy, legal, and ethical considerations	Writing assignments, Project	Safeguard information within organizations through programming design, practices, and policy.

Part 3: Topic Outline/Schedule

Week	Topic	Chapters	Week Class Activities
1	Overview	0	
2	Data Storage	1	
3	Databases	9	
4	Data Modeling		ERD Plus
5	Relational Model and SQL		ERD Plus, W3Schools/SQL
6	HTML and CSS		W3schools/HTML&CSS
7	JavaScript		W3schools/JavaScript
8	Web projects		W3schools/HTML&CSS& JavaScript, Mid-term Test



9	Programming I	6	W3schools/Python
10	Programming II	6	W3schools/Python
11	Algorithms I	5	
12	Algorithms II	5	
13	Data Manipulation	2	
14	Networking I	4	
15	Networking II	4	
16	AI	11	Current development of AI
	Final presentation/Final project		10:30 A.M – 12:30 PM, April 28, 2025.

Part 4: Course Grades

Graded Course Activities

Value (pts)	Description
10	Class Attendance
50	Assignments
20	Project
20	Exam

Viewing Grades in Canvas

Points you receive for graded activities will be posted to the Canvas Gradebook. Click on the Grades link on the left navigation to view your points. Grades are typically posted within 7 days following the completion of an activity.

Letter Grade Assignment

Final grades assigned for this course will be based on the percentage of total points earned and are assigned as follows:

Letter Grade	Percentage/Points
A	≥ 90
B	80 – 89
C	70 – 79
D	60 – 69
F	Below 60

Final Exams

Students are required to take the Final presentation/Final project at **10:30 A.M – 12:30 PM, April 28, 2025.**

Important Note: For more information about grading at Midway University, visit the academic policies in the [University catalog](#).

Part 5: Course Policies

COVID Policies

University policies regarding COVID-19 may be found at <https://www.midway.edu/our-path-forward/>

Attend Class

See [Midway Catalog](#) for official statement on class attendance. Students are expected to attend all classes unless excused in advance of the class. Class attendance score will be kept in Canvas and count as 10% of the course grade.

First Week Academic Census Policy

Students must be present in the class and engage in an academically related activity before the end of the first week of classes to show their intent to remain enrolled in the course. Students who do not come to class and/or complete this activity may be dropped from the class.

Late Work Policy

Late work is not accepted with an approved, official excuse for missing the deadline. Be sure to pay close attention to deadlines.

Academic Accommodations

The Accommodations Coordinator in Student Affairs coordinates Midway University's disability support services in compliance with Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, as amended. When appropriate, Midway University provides reasonable accommodations designed to enable students to equitably participate in and benefit from Midway University's programs, services, and activities, provided that such accommodations would not:

- fundamentally alter the nature or operation of the University's programs, services, or activities,
- cause undue hardship to the University, or
- pose a direct threat to the health or safety of others.

Obtaining Accommodations

The Accommodations Coordinator works to provide accommodations for students through a confidential and supportive process. Students should be aware that accommodations are not retroactive. Every reasonable effort will be made to provide the appropriate reasonable accommodations, but certain accommodations may take time to coordinate. More information regarding disability support services can be found on the [Midway University Disability Support Services webpage](#).

Students seeking disability support services should initiate the process by contacting the Accommodations Coordinator. Because each person's situation is unique, this initial conversation will determine the direction that the process will take. The Accommodations Coordinator will talk to the student about documentation during the initial conversation. Students should provide documentation from a qualified, licensed professional appropriate to the nature of the disability and requested accommodations. [View the Request for Accommodations Form](#).

Records created by schools that the student has attended previously may also be helpful to the process of determining appropriate accommodations, including documents that reflect education and accommodation history, such as Individual Education Program (IEP), Summary of Performance (SOP), and teacher observations. These documents do not replace the need for documentation listed below but serve as an aid to create a success plan with the student.

After talking with the student, reviewing documentation that has been submitted, and consulting with faculty and staff members as necessary, the Accommodations Coordinator will identify reasonable accommodations. These accommodations and the supporting documentation are subject to regular review and modification. Appropriate faculty or staff members will be notified of established accommodations upon the request of the student to whom they apply. Information regarding a student's specific diagnosis will only be shared with a faculty or staff member on a "need to know" basis, usually as it pertains to arranging accommodations. Requests for faculty notification must be made by the student each term (semester or module) by contacting the Accommodations Coordinator and identifying the individuals to whom the notification of accommodations should be sent.

Academic Honesty & Procedures in Cases of Academic Dishonesty

See [Midway Catalog](#) for official policy for academic honesty.

For This Class

Academic Dishonesty will result in the grade of zero for the assignment.

Proctoring

Midway University requires that proctored online tests must be conducted using Xproctor. It is important to note, when students use Xproctor, they must use the Firefox web browser. See <https://midway.libguides.com/informationtechnology/onlinelearning> for more information. Students in online courses are required to show a photo ID in XProctor at the beginning of each course.

Midway University uses Turnitin plagiarism checker. Students can find out more about Turnitin in here: <https://midway.libguides.com/informationtechnology/plagiarismchecker>

Grammarly

To access Grammarly, please see <http://www.grammarly.com/edu/students>. You will use your Midway credentials to log in.

Grammarly analyzes your text and makes context-specific suggestions to help with grammar, spelling and usage, wordiness, style, and punctuation. [Grammarly for Microsoft Office](#) allows you to use Grammarly while you're writing Word documents or Outlook emails on Windows. You can also use the [Grammarly Plagiarism Checker](#).

Protocol for Students with Complaints

The University Complaint process may be viewed [here](#).

If the student has a problem or complaint concerning this course should contact the instructor first. If this does not resolve the problem or complaint, then the following protocol should be followed:

Instructor → Department Chair → Dean → Vice President for Academic Affairs

Notice of mandatory reporting of sexual assault, sexual harassment, interpersonal violence, and stalking

As a faculty member, I am designated as a “Mandated Reporter” and must report all disclosures of sexual assault, sexual harassment, interpersonal violence, and stalking to Midway University’s Title IX Coordinator per University Policy. If you wish to speak with someone confidentially, please contact Midway’s confidential counselor, Dr. DeArth at (859) 846-5745 or gdearth@midway.edu. You may also seek assistance or support measures from Midway’s Title IX Coordinator by calling 859-846-5321, or emailing jryan@midway.edu.

Copyright Statement

Please see [student handbook](#) for policies regarding copyright.

Syllabus Change Policy

The instructor views the course syllabus as an educational contract between the instructor and students. Every effort will be made to avoid changing the course schedule, but the possibility exists that unforeseen events will make syllabus changes necessary. The instructor reserves the right to make changes to the syllabus as deemed necessary. Students will be notified in a timely manner of any syllabus changes face-to-face, via email or in the course site Announcements.

Part 6: Technical Information & Support Resources

Some assignments and course interactions will utilize Canvas learning management system and/or other internet technologies. All course grades will be posted in Midway Canvas.

Accessing Course Website

Midway University uses Canvas for their learning management system. This course will use Canvas for the facilitation of communications between faculty and students, access to syllabus, submission of assignments, and posting of grades. The Midway Canvas course site can be accessed using this link: <https://midway.instructure.com/>

You can also download the Canvas app and access through your device:

[Canvas Student on the App Store \(iOS\)](#)

[Canvas Student – Apps on Google Play \(Android\)](#)

If you need help with Canvas, please visit our [Canvas help website](#). Canvas Tier 1 support is available to the Midway Community. You have access to this service 24 hours a day, 7 days a week:

Canvas Support Hotline: 855-411-0376

Live Chat: [Canvas Student Support](#)

If you need further assistance with Canvas, please contact help@midway.edu.

Midway Teams

Midway University uses Microsoft Teams to support instruction through chat, web-conferencing, and file sharing. For more information on Microsoft Teams, see [Online Resources for Students](#) on the IT help website

Computer Requirements

This course requires that you have access to a computer that can access the internet. Please refer to the technical requirements links on the Canvas homepage for exact specifications or you can access [technical requirements](#) on the [IT website](#).

Midway Email

All official Midway university correspondence must be conducted through your Midway email. All instructor correspondence will be sent to your Midway e-mail account. Please plan on checking your Midway email account regularly for course-related messages.

Technical Support Contact Information

Contact the IT Help desk (help@midway.edu) for technical support for email, MyMidway, online classes, and password help.