Syllabus

Instructor: **Dhalla, Hardeep Kaur**
Meeting location and times: **MWF 9:00am-9:50am, SCI A224**
Office: **SCI B237**
Office Phone: **715-346-2120**
Email: **hdhalla@uwsp.edu**
Office Hours: **MW 10:00-10:50 am in-person or by appointment**

Course Description: (taken from catalogue) Explore the foundations of modern computing to include algorithms, programming, and the use of technology to solve problems. This course introduces key principles of procedural programming and program design using a modern programming language. The course also offers an overview of computing as a discipline and its social impacts.

Course Objectives

- Design a computer program that solves computational problems.
- Write program code to implement a computer program.
- Test and troubleshoot computer programs and correct errors.
- Explain how computer programs and algorithms work.
- Describe ethical and social issues related to computing.
- Describe concepts around networking and Internet protocols.
- Test and troubleshoot computer networking issues.
- Describe concepts around computer and data security.

Textbooks

- Tonny Gaddis. Starting out with Python, 6th edition. Pearson.

Grading

Completing coursework awards a maximum total of 100 points.

- Assignments   55 points
- Quizzes: 10 points
- Mid-term exam: 15 points
- Final Exam: 20 points

The final grades will be assigned as a percentage of points earned out of 100 points according to the following scale:

A	100- 93%	A-	92-90%		
B+	89-87%	B	86-83%	B-	82-80%
C+	79-77%	C	76-73%	C-	72-70%
D+	69-66%	D	65-60%	F	<60%

Final exam date and time: 12/19/2023, Tuesday 10:15AM-12:15PM, SCI A224

Assignments

- There will be regular assignments, points-based exercises, tests, and exams throughout the course. These items will be discussed in class and possibly on Canvas. For certain items there will be time allocated for work during class and I recommend that you do so during the class period. Some items will be worked on and submitted during a single class period and therefore cannot be made up later. It is imperative that you attend regularly so that you don't miss these opportunities.
- Assignments will be posted on Canvas. It is your responsibility to check due dates on Canvas. If you have any confusion regarding due dates, please contact your instructor.
- Students are strongly encouraged to attend each class and actively participate in class discussions.
- In order to be accepted for grading, assignments must be submitted by the given deadline, or an extension must be requested from the instructor before the due date.
- A 20% penalty will be applied for each day late submission, so that no credit will be given for assignments more than 5 days late. Submissions that are more than 5 days late will receive 0 points. The instructor reserves the right to adjust this policy to account for extraordinary situations, such as documented illness or medical emergencies. You are required to inform the instructor as soon as possible of such situations.
- Missing assignments will receive a grade of 0. An empty zip file submission will also get 0 points. No assignments will be accepted during final exam week, unless otherwise specified. No bonus point assignments will be given during final exam week, unless otherwise specified. The instructor reserves the right to adjust this policy to account for extraordinary situations, such as documented illness or medical emergencies. You are required to inform the instructor as soon as possible of such situations.
- You are responsible for storing and backing up your assignments. The use of network space, or other storage (Google Drive, Dropbox, external media) are also reasonable. Lost data is not an appropriate excuse for late work and will not be accepted.

Exams

- Quizzes and exams will be taken in-person, unless otherwise specified.
- In general, any exam and quiz can NOT be made up.

- If you are going to miss a test or exam due to unavoidable circumstances (e.g., health), you must inform the instructor before the due date.
- The final exam is comprehensive.

Canvas

The Canvas URL is https https://www.uwsp.edu/canvas/Pages/default.aspx. Use your UWSP NetID and password to login. We use Canvas for the following activities:

- Make important announcements.
- Sharing lecture slides and source code of examples.
- Posting assignment instructions and files.
- To submit assignments electronically.
- Posting scores and grades.

Academic Dishonesty Policy

- Students may discuss assignments with each other and may seek help from the instructor. However, since assignment scores count as a part of the final grade, students must limit the amount of outside help they receive. Students must not copy any part of another person's work or break an assignment into a team project (unless directed to do so by the instructor). If there is ANY doubt in your mind about the amount of help given/received, you should immediately consult with your instructor BEFORE submitting the assignment.
- Any student who submits an assignment or exam which is in whole or in part the work of another person and any student (whether enrolled in the course or not) who so assists another student will be prosecuted under Chapter UWSP 14 of the Rules of the Board of Regents of the University of Wisconsin System, Wisconsin Administrative Code. Depending upon the severity of the infraction, the consequences of such an act range from a verbal reprimand to an "F" in the course to expulsion from the University.

Course materials and recordings

Lecture materials and recordings for CIS-101 are protected intellectual property at UW-Stevens Point. Students in this course may use the materials and recordings for their personal use related to participation in this class. Students may also take notes solely for their personal use. If a lecture is not already recorded, you are not authorized to record my lectures without my permission unless you are considered by the university to be a qualified student with a disability requiring accommodation. [Regent Policy Document 4-1] Students may not copy or share lecture materials and recordings outside of class, including posting on internet sites or selling to commercial entities. Students are also prohibited from providing or selling their personal notes to anyone else or being paid for taking notes by any person or commercial firm without the instructor's express written permission. Unauthorized use of these copyrighted lecture materials

and recordings constitutes copyright infringement and may be addressed under the university's policies, UWS Chapters 14 and 17, governing student academic and non-academic misconduct.

The Tutoring-Learning Center

The Tutoring-Learning Center (TLC) helps students in all disciplines become more effective, confident learners. We believe all learners benefit from sharing work with knowledgeable, attentive tutors. The TLC offers four tutoring services:

- **Academic Coaching:** Build skills in studying, time management, test-taking, online learning, and more.
- **Course Content:** Practice problems, deepen understanding, and prepare for exams in natural resources, STEM, World Languages, and more.
- **Reading/Writing:** Brainstorm and refine papers, essays, lab reports, citations, résumés, scholarship applications, personal writing, and more.
- **Tech Essentials:** Develop computer literacy and learn to use UWSP-related applications such as Canvas, Microsoft 365, and Zoom.

To **make an appointment,** students can self-schedule using Navigate, contact us at tlctutor@uwsp.edu or 715-346-3568, or stop into CCC 234.

Dropping/withdrawing from the course

 It is the student's responsibility to understand when they need to consider un-enrolling from a course. Refer to the UWSP Academic Calendar for dates and deadlines for registration. After this period, a serious and compelling reason is required to drop from the course. Serious and compelling reasons include, but are not limited to, the following: documented and severe physical/mental illness/injury to the student or student's family. Please consult the instructor at the earliest opportunity to discuss the need to drop the course after the mandated deadline.

Use the link given below to access information about Academic calendars and important dates.

https://www3.uwsp.edu/regrec/Pages/calendars.aspx

Incomplete policy

Under emergency/special circumstances, students may petition for an incomplete grade. An incomplete will only be assigned if inability to complete the coursework was due to a documented illnesss/injury or other circumstance beyond the student's control. All incomplete course assignments must be completed by the end of Semester II 2023-2024.

Accommodations

UWSP is committed to providing reasonable and appropriate accommodation for students with disabilities and temporary impairments. If you have a disability or acquire a condition during the semester where you need assistance, please contact the Disability Resource Center https://www.uwsp.edu/drc/ in room 108 in the Collins Classroom Center (CCC) as soon as possible. DRC can be reached at 715-346-3365 or drc@uwsp.edu

Emergency Preparedness

- In the event of a medical emergency, call 911 or use red emergency phone located outside of the Public Science Hall Lab (B238). Offer assistance if trained and willing to do so. Guide emergency responders to victim.
- In the event of a tornado warning, proceed to the lowest level interior room without window exposure at SCIENCE A224.

- In the event of a fire alarm, evacuate the building in a calm manner. Meet near the grassy area near Lot X. Notify instructor or emergency command personnel of any missing individuals.

- Active Shooter – Run/Escape, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Follow instructions of emergency responders.

See UW-Stevens Point Emergency Management Plan at www.uwsp.edu/rmgt for details on all emergency responses at UW-Stevens Point.

Communication by email

When you email me, please include "CNMT-101" in the beginning of the subject. It will help me differentiate your email from other emails.

Important: This syllabus is subject to change. It is the student's responsibility to check Canvas for corrections or updates to the syllabus.

Tentative Schedule

Week No.	Topics	Coursework
1	Introductions, Syllabus Overview, Software requirements https://www.python.org/downloads/ Visual Studio code Python Extension by Microsoft - https://code.visualstudio.com/docs/languages/python	Assign 01

2	Describe ethical and social issues related to computing.	Assign 02
3	Describe concepts around computer and data security.	Assign 03
4	Describe concepts around web, networking, and Internet protocols.	Quiz 1
5	Explain how computer programs and algorithms work. What is Pseudocode? How does Python compile and run source code? What is source code and byte code? Difference between an interpreted program and compiled program Basic constructs of Python Programming – variables, assignments, operators, print () function, String concatenation	Assign 04
6	Coding best practices Syntax errors vs. runtime errors Design your first Python Program. Read user input. Built in functions. Data conversion.	Assign 05
7	Decision structures No class meeting on Oct 20 – OOO	Assign 06
8	Control structures	Mid-term exam
9	Arrays and Lists	Assign 07
10	Functions	Assign 08
11	Functions	Assign 09
12	Project work. Thanksgiving Holiday. No class meeting on Nov 24**.**	Quiz 2
13	Modules	
14	Test and troubleshoot computer programs and correct errors.	
15	Project and Final Exam review	Project
16	Final Exam week	Final Exam