

University of Wisconsin - Stevens Point  
 College of Letters and Science  
 Department of Computing and New Media Technologies  
 Spring 2019 – Version 1.4

Course: Principles of Computing (CNMT 100) #41577  
 Books: Understanding Computers in a Changing Society, 6th Edition, Morley  
 Class Time: M W 2:00-3:15 pm (Room Science B348)  
 Professor: Dr. Kurt A. Pflughoeft (Floop'heft)  
 Office: Science B231  
 Office hours: M, Tu, Th 1:00-2:00 pm, W 3:30-4:30 pm and by appointment  
 Contact: [kpflugho@uwsp.edu](mailto:kpflugho@uwsp.edu)

**Course Description:** Explore the foundations of modern computing to include the creation of computational artifacts, the Internet, big data, digital privacy and security, algorithms, databases, programming, business Intelligence and the societal impacts of computing.

<u>Week #</u>	<u>Dates</u>	<u>Topic*</u>	<u>Assignments</u>
1.	Jan 23	Course Overview & Hardware	Chapter 1
2.	Jan 28,30	Hardware & Software	HW 1, Excel 1
3.	Feb 04,06	Software	Chapter 2, Excel 2
4.	Feb 11,13	Database	Chapter 3, HW 2, Excel 3
5.	Feb 18,20	Review and Exam 1	
6.	Feb 25,27	DB/Data Warehouse	Chapter 8, HW 3, Excel 4
7.	Mar 04,06	Big Data/Business Intelligence	Access 1
8.	Mar 11,13	Ethics	Chapter 6, HW 4, Access 2
	Mar 18,20	Spring Break	
9.	Mar 25,27	Programming	HW 5, Py P1
10.	Apr 01,03	Review and Exam #2	Py P2
11.	Apr 08,10	Security	Chapter 5, HW 6, Py P3
12.	Apr 15,17	Networking	Chapter 4, Py P4
13.	Apr 22,24	Networking	HW 7, Py P5
14.	Apr 29,May 1	Systems Analysis	Chapter 7, Py P6
15.	May 06,08	Misc	HW 8, Py P7
16.	May 14	Final Exam 8:00-10:00 am	

**Schedule Footnotes:**

- The class meetings will be a 50 minutes on general IT and 25 minutes on software/Python
- This schedule is a guide to the coverage of topics. The instructor reserves the right to alter the presentation schedule as necessary to benefit the class.
- Supplemental readings may be assigned.

**Check D2L for updates to syllabus and due dates for homeworks and quizzes.**

**Course Outcomes** - Given a successful conclusion of this course, students will be able to:

- To understand what a computer is, its components, and its history.
- To understand how the internet works.
- To be able to list several types of electronic surveillance and monitoring.
- To explain clearly the concept of Information Technology Management, i.e., the role computer Information Technology plays in supporting and facilitating management of business activity;
- To demonstrate an understanding of fundamental computer system concepts, including the Information processing cycle, data base management systems, data communications, systems development and have a concept of how managers employ these concepts to solve problems
- To understand the different types of intellectual property rights related to computer use.
- To be able to list types of assistive hardware that can be used by individuals with physical disabilities.
- To understand what is meant by the term artificial intelligence and some AI applications.
- To be able to write a program or algorithm using python.

### **Distribution of Points**

Exam 1	:15%
Exam 2	:20%
Final	:25%
Quizzes	:10%
Homeworks	:25 %
Attendance	:05%

## **POLICIES**

**Academic Standards** - UW-Stevens Point values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, we have developed a set of expectations for all students and instructors. This set of expectations is known as the Community Rights and Responsibilities document, and it is intended to help establish a positive living and learning environment at UWSP. Click here for more information: <http://www.uwsp.edu/dos/Pages/AcademicMisconduct.aspx> Academic integrity is central to the mission of higher education in general and UWSP in particular. Academic dishonesty (cheating, plagiarism, etc.) is taken very seriously. Don't do it! The minimum penalty for a violation of academic integrity is a failure (zero) for the assignment. For more information, see the "Student Academic Standards and Disciplinary Procedures" section of the Community Rights and Responsibilities document, UWSP Chapter 14. This can be accessed at: <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf> - page=11

**ADA Statement** - The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. For more information about UWSP's policies, check here: <http://www.uwsp.edu/disability/Pages/faculty/lawAndPolicy.aspx>. If you have a disability and require classroom and/or exam accommodations, please register with the Disability and Assistive Technology Center at the beginning of the course and then contact me. I am happy to help in any way that I can. For more information, please visit the Disability and Assistive Technology Center, located on the 6th floor of the Learning Resource Center (the Library). You can also find more information here: <http://www.uwsp.edu/disability/Pages/default.aspx>.

**Attendance Policy** - Attendance will be taken randomly in lecture/lab and will count towards your grade! I rarely lecture "STRAIGHT FROM" the book.

**Audio/Visual Recording Policy** - Electronic recording of lectures (taping) is prohibited unless receiving prior written approval from the instructor. Approval will be granted only for self-study purposes. You are allowed to take pictures of whiteboards, blackboards or screens of my lecture material, if need be.

**Average Time Investment/Workload Policy Statement**

CNMT 100 meets twice a week; each meeting is 75 minutes or about 3 hours per week or 48 hours per semester. Additionally, you should expect to spend up to 6 hours per week, on average, on outside class work including homework, quizzes and chapter reading assignments.

**Classroom conduct** – Please mute cell phones and any audible device during classes. Please do not hold private conversations or text while I am lecturing as it is a distraction.

**D2L –**

- Recorded grades as well as lecture materials (syllabus, PowerPoint class outlines, etc.) will be available on our D2L course site.
- It is your responsibility to check that your grades are posted correctly on D2L. Questions about any posted grade must be raised within TWO weeks of posting. Beyond this time frame, all grade postings are considered correct and final. The D2L site is not available after the final exam.
- It's best to download attachments rather than view directly in the browser.
- USE the OneDrive to temporarily save your files – if need be.
- **News feed** on D2L is the main communication tool (not email!) - consider the text msg option
- The UW system is in the process of moving to a different LMS called Canvas

**Drop Policy** - In accordance with the rules stated by the College of Letters and Science. I will **NOT** personally drop a student - you are responsible for filling out all the forms.

**Email Policy**

- I try to answer questions in a timely manner but if you haven't received a response from me by the end of the next business day, please resend the email.
- If your email is only informative in nature, such as you are missing a class, I usually don't reply to those emails but rather just file them. If your email has a question or issue that needs to be addressed, I will reply to it. Likewise, if I send you an email that requires a response, please do so.
- Please include "CNMT 100" as part of your subject line.

**Exam Policy** - Except for documented emergencies, no late or makeup in-class exercises, exams and quizzes will be given.

**Grade Policy** - The following scale can always be used to estimate your grade

Percentage breakdown for semester grades (weighted point totals)

A = 93-100%	B- = 80-82.99%	D+ = 67-69.99%
A- = 90-92.99%	C+ = 77-79.99%	D = 63-66.99%
B+ = 87-89.99%	C = 73-76.99%	D- = 60-62.99%
B = 83-86.99%	C- = 70-72.99%	F = < 60%

\*Instructor reserves the right to implement a curve which is beneficial to the students.

**Homework** – due dates available in D2L. Late homeworks are discounted 20 percentage points per day.

**Lecture Notes** – electronic version of the notes is available for some topics, however, I strongly encourage you to take good notes as that has been shown to reinforce memory recall.

**News** – Always check the news item on D2L to find the latest announcements concerning the class.

**Software** – Python and Excel

**Plagiarism Policy** - All assignments and tests should represent YOUR work otherwise you will not receive any credit for that portion of your grade. Disciplinary actions will be pursued for serious offenses – see Academic Standards.

**Quiz Policy** – quizzes are meant to test your understanding about topics that were currently presented. Quizzes will be take-home or on-line but you are NOT allowed to collaborate with others. You may use other resources such as Google. For open-ended questions, be careful not to plagiarize. There will be 6 quizzes check D2L for due dates. No late quizzes are accepted. I do reserve the right to hold in-class quizzes if the students are not doing the required work outside of the classroom.

**Texting/emailing** – you are not allowed to email or text during the lecture component of class unless it is an emergency. Students who need to text may do so outside the classroom. Many studies have pointed that texting is a bit like an addiction, causes a lack of focus and is strongly correlated with poor grades.

**University Emergency Preparedness** –

In the event of a medical emergency call 9-1-1 or use Red Emergency Phones. Offer assistance if trained and willing to do so. Guide emergency responders to victims.

In the event of a tornado warning, proceed to the lowest level interior room without window exposure. See [www.uwsp.edu/rmgt/Pages/em/procedures/other/floor-plans.aspx](http://www.uwsp.edu/rmgt/Pages/em/procedures/other/floor-plans.aspx) for floor plans showing severe weather shelters on campus. Avoid widespan structures (gyms, pools or large classrooms.)

In the event of a fire alarm, evacuate the building in a calm manner. Stay 200 yards away from the building. 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. Call 9-1-1 when it is safe to do so. Follow the instructions of emergency responders.

See UW-Stevens Point Emergency plan at <https://www.uwsp.edu/rmgt>