

CIS225: Data Communications and Networks

Spring 2024

Instructor: Sasithorn Zuge

Email: szuge@uwsp.edu, please include "CIS225: <followed by brief description of your email>" in the subject line

Office Hour: Mondays 6:00pm – 7:00pm
In the unlikely event that I need to make changes to my office hour, I will post any changes on Canvas Announcements and/or email.

Contact Instructor: Feel free to contact me via email or schedule an appointment during my office hour. I usually try to respond to email within 1 business day. There are instances, however, when my email client doesn't sync up and retrieve new mail. If that happens and you didn't receive a response from me after 2 business days, please follow up with me.

Please note: The content in the syllabus is subject to change. Any changes in the course syllabus will be available on the Course Canvas.

Canvas Homepage:

<https://www.uwsp.edu/canvas/Pages/default.aspx>

You can access the course Canvas from the link above. Please check this often since any changes to the course will be posted inside Canvas.

Class Time:

04:00pm – 05:50pm Mondays and Wednesdays

Textbook:

Beasley & Nilkaew. Networking Essentials: A CompTIA Network+ N10-008, 6th
ISBN: 978-0137455928

Course Description:

"Introduction to fundamental concepts in the design and implementation of computer communication networks, their protocols, and architectures. Students [will] understand how popular network applications such as Web browser, FTP client, remote connection, and email work on computer networks. Topics to be covered include: TCP-IP and OSI architecture, application layer (Web, FTP, remote connection, email, client and server interaction), transport layer (TCP-UDP), network layer (IP), data link layers, and concept of local area network (LAN) and wide area network (WAN)."

Course Learning Outcomes:

- Explain basic networking concepts including network devices, technology, and architectures.
- Explain routing technologies and networking devices
- Explain basic security concepts and how to harden networks against threats
- Deploy basic configuration of networking devices such as basic router and switch configuration
- Troubleshoot basic connectivity and software issues related to networking

Evaluation and Grading

Your final grade will be determined by your class discussion/participation, completed and graded classwork, and your exams. Your final grade will be calculated from the sum of your weighted grading scores as shown below:

Grading Items (Points earned cannot exceed category weight)	Weight
Class Participation	5%
Classwork (labs, quizzes, assignments, etc.)	55%
Midterm	20%
Final Exam	20%

Class grading scheme may change, any changes will be posted on Canvas and/or announced during class.

Your final letter grade will be awarded according to the table shown below:

Letter Grade	Final Score	Letter Grade	Final Score
A	>= 93	C+	>= 77
A-	>= 90	C	>= 73
B+	>= 87	C-	>= 70
B	>= 83	D	>= 60
B-	>= 80	F	Below 60

Tentative, subject to change

Attendance: Students are expected to attend class regularly. Attendance will be taken at the beginning of class. Being late for class or leaving early (20 mins or more) will not count towards attendance unless arranged in advance. If you miss class, you are responsible for obtaining any materials missed.

For covid or other illness, please take precautions, stay home, and email me immediately if you have a fever or symptoms such as coughing or sneezing. We will follow the university's COVID-19 guidelines and procedures on <https://www.uwsp.edu/coronavirus/Pages/default.aspx>. It is student's responsibility to make prompt arrangements for any missed materials and assignments, and I will work with you to find suitable solutions.

Class Participation: Your overall class participation will be evaluated based on your class conduct throughout the semester (partially influenced by class attendance, participation during class time, quality of work, interaction with peers, etc.).

Classwork: Each chapter will have planned labs and quizzes throughout the course (see tentative course outline). In addition to this, supplemental assignments and mini-exercises will be given as needed during class and/or posted on Canvas. Some of the lectures might have in-class activities to be completed during class time, and therefore cannot be made up or submitted later if you miss class. Therefore, it is important that you attend class regularly. All other classwork is **due at 11:59pm on the due date**, unless stated otherwise on Canvas. I am also available if you need me to look over and comment on your work before the due date.

Late Submission: Typically, no late submissions are accepted unless an arrangement has been made with me in advance to extend your due date.

No late submissions are accepted on quizzes (unless the due date has been extended in advance). For other class work, if late submission is accepted without prior arrangement, there will be a penalty of 50% deduction from the graded score. Late submission is only accepted if it is within one week of the due date and time, and I have not yet released the graded work to other students. No late work will be accepted after that. If you need to extend your due dates due to validated excused reasons, please reach out to me as soon as possible.

Validated excused reasons are involuntary absence, such as sickness that can be validated via doctor's notes, verifiable personal/family emergency, participation in military/sports meets or work-related travel via your superior's letter, etc. Please note that reasons, in which, students elect not to do the work or forgetting to complete the work, are not considered validated excused reasons.

Exams: There will be two closed-book exams for the course. **You are required to take the final examination to pass the class; otherwise, you will receive a failing grade for the course.**

Midterm Exam: Wednesday March 6th, 2024, 4:00pm – 5:50pm

Final Exam: Tuesday May 14th, 2024, 5:00pm – 7:00pm

No make-up exams will be given, unless an arrangement has been made with me in advance, or for validated excused reasons. Please note: Any changes will be posted in Canvas.

Inclusivity Statement

It is my intent that students from all diverse backgrounds and perspectives be well-served by this course, that students' learning needs be addressed both in and out of class, and that the diversity students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: gender identity, sexuality, disability, age, socioeconomic status, ethnicity, race, nationality, religion, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally, or for other students or student groups.

If you have experienced a bias incident (an act of conduct, speech, or expression to which a bias motive is evident as a contributing factor regardless of whether the act is criminal) at UWSP, you have the right to report it using this [link](#). You may also contact the Dean of Students office directly at dos@uwsp.edu.

Student Responsibilities and Academic Concerns:

All students are expected to know the UWSP student **responsibilities** found on the Dean of Students webpage. Information on Academic Concerns is available at <https://www.uwsp.edu/dos/Pages/stu-academic.aspx>. Information on Conduct Concerns and on Personal Concerns are also available on the Dean of Students site.

The University of Wisconsin – Stevens Point is an academic community of individuals committed to the pursuit of learning, the acquisition of knowledge, and the education of all who seek it. This course expects that all work turned in for a grade is your own, or that of your group.

Students suspected of academic misconduct will be asked to meet with the instructor to discuss the concerns. If academic misconduct is evident, procedures for determining disciplinary sanctions will be followed as outlined in the [University System Administrative Code, Chapter 14](#).

Disability and Temporary Impairments Assistance:

For information on accommodations available to students with disabilities and temporary impairments, please contact the Disability Resource Center in room 108 Collins Classroom Center (CCC), at 715-346-3365, or on their website: <https://www.uwsp.edu/disability-resource-center/>.

You are responsible for notifying and making arrangements directly with the Disability Services Office before any exams.

Help Resources

Tutoring	Advising	Safety and General Support	Health
Tutoring and Learning Center https://www.uwsp.edu/tlc 234 Collins Classroom Center (CCC) 715-346-3568 Helps with Study Skills, Writing, Technology, Math, & Science.	Academic and Career Advising Center https://www.uwsp.edu/ACAC 209 CCC 715-346-3226	Dean of Students Office https://www.uwsp.edu/dos 212 Old Main, 715-346-2611	Counseling Center https://www.uwsp.edu/counseling Delzell Hall, 715-346-4472 Student Health Service https://www.uwsp.edu/campus-life/health-service Delzell Hall, 715-346-4646

TENTATIVE COURSE OUTLINE (SPRING)

Week#	Classwork Due Date by 11:59PM	Lecture 1 Topics	Lecture 2 Topics
1	Jan 21	Chapter 1.1 – 1.4	Chapter 1.5 – 1.7
2	Jan 28 Chapter 1 Labs, Quiz 1	Chapter 2.1 – 2.7	Chapter 3.1 – 3.3
3	Feb 4 Chapter 2 Lab, Quiz 2	Chapter 3.4 – 3.7	Chapter 4.1 – 4.3
4	Feb 11 Quiz 3	Chapter 4.4 – 4.6	Chapter 5.1–5.3
5	Feb 18 Chapter 4 Lab, Quiz4	Chapter 5.4-5.7	Chapter 6.1-6.4
6	Feb 25 Chapter 5 Lab, Quiz 5	Chapter 6.5-6.7	IP – Supplemental
7	Mar 3 A-Supplement, Quiz 6	Group Work - Class Activities	Midterm Exam Ch1-Ch6 (during class time)
8	Mar 10	Ch 11.1-11.4	Chapter 7.1
Have a great Spring Break!			
9	Mar 24	Chapter 7.1 – 7.3	Chapter 7.4 – 7.6
10	Mar 31 Chapter 7 Lab, Quiz 7	Chapter 8.1-8.5	Chapter. 8.6-8.7
11	Apr 7 Chapter 8 Labs, Quiz 8	Chapter 9.1-9.3	Chapter 9.4-9.7
12	Apr 14 Lab 9.2.1, Lab 9.5.1, Lab 9.7.1	Chapter 9.8-9.10	Chapter 10.1 – 10.4
13	Apr 21 Labs 9.8.1, Lab 9.10.1, Quiz 9 Lab 10.4.1, Lab 10.4.2	Chapter 10.5-10.7	Chapter 10.8-10.10
14	Apr 28 Lab 10.8.1, Quiz 10	Chapter 11.5-11.6	Chapter 11.7-11.10
15	May 5 Chapter 11 Labs, Quiz 11	Chapter 12.1-12.4	Review
16	Final Exam Tuesday May 14, 2024, 5:00PM – 7:00PM, SCI A212		

*Important Note: The course outline and classwork activities on the syllabus are tentative and are subject to change. If there are any conflict(s) between the information on Canvas and the information on this outline, the information on Canvas will take precedence.