

CIS150-01

Spring 2017-18

Instructor	Sasithorn Zuge	Phone	715-346-2879
Office	SCI B243 or SCI D226	E-mail	Sasithorn.Zuge@uwsp.edu
Office Hours	10:00am – 10:30am Mondays, or 10:00am – 10:50am Wednesdays, or by appointment		

Class Time:

08:00am – 09:50am Monday and Wednesday, Room SCI B348 or SCI D226

Rental Text:

Kurose & Ross. Computer Networking - A Top Down Approach, 7th Edition.

Course Description:

"Introduction to fundamental concepts in the design and implementation of computer communication networks, their protocols, and architectures. Students 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)."

Welcome to the course! The topic for our CIS 150 section is in Data Communications. The course goal is to help you understand the "how" and "why" behind data communication technologies by surveying various protocols and functions through different layers of the OSI and the Internet Models. I hope that by taking this course, it will give you a deeper understanding when reading about new communication technologies, give you a reference framework when troubleshooting your issues related to networking, and be more prepared, in general, to not just use networking technologies but also have at least a basic understanding of why and how it works behind the scene..

Throughout the course, there will be in-class activity, homework assignments, and quizzes given. No make-up class activities, labs, quizzes, or examinations will be given unless approved by me before the scheduled lab or exam date, or for validated medical or personal emergencies.

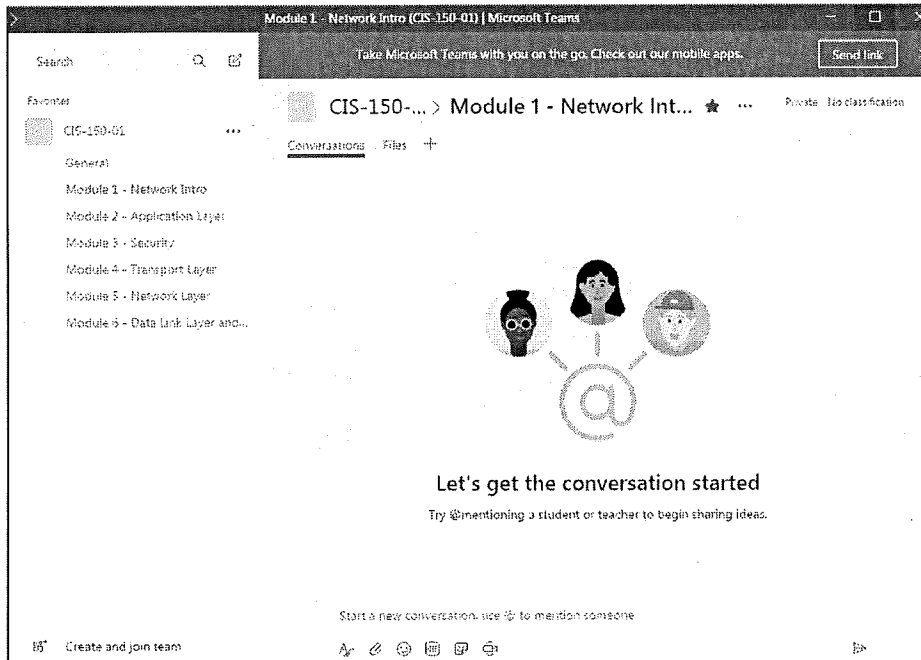
I am looking forward to working with you this semester!

Class Communication:

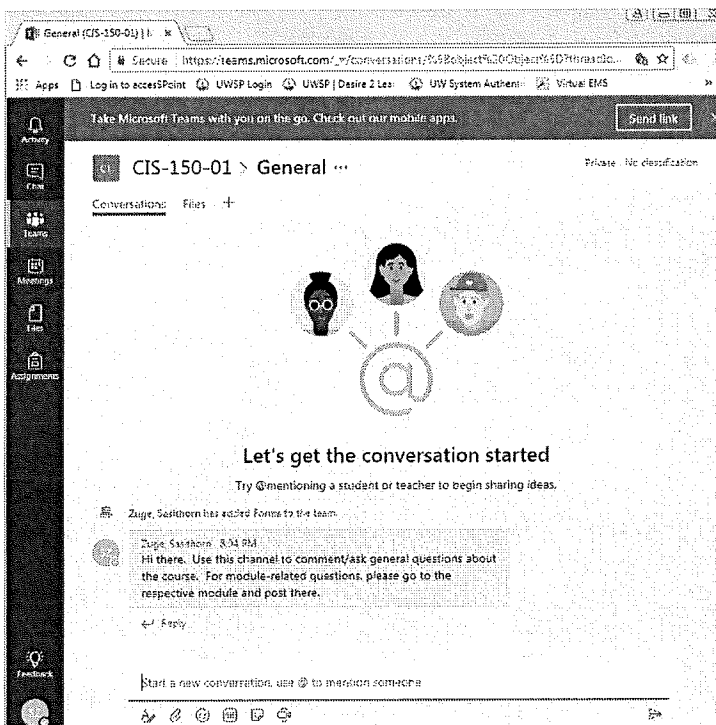
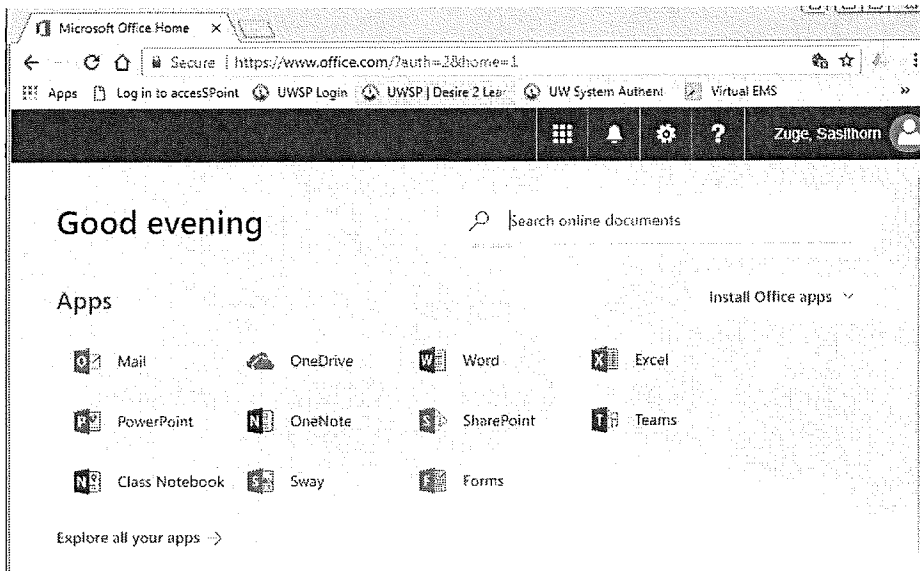
You can contact me via email, see me in person during the scheduled office hours, or by appointment. To ensure a timely response when contacting me via email, make sure you also **include "CIS150:" in the subject line**, followed by the nature of your email. I usually try to get back to you within 48 hours, except on holidays and weekends.

Besides the announcements made in class or written on the board, I will also communicate with you via email, and/or D2L course homepage (<http://www.uwsp.edu/d2l/>). Therefore, it is important that you also check D2L and your email regularly.

In addition, we will also be using **Microsoft Teams** (built-in through your UWSP account already) as a collaboration platform, for you to share and collaborate with your classmates (and me) throughout the semester. If you have any questions about the topics in class, please post your questions there. Some of your classmates might have the same questions, and there will also be some who can answer your questions. I am hoping that by using this platform, questions can be responded to quicker than traditional email methods and help reduce some redundancy in email messages.



You can start using Microsoft Teams by installing app on your mobile device and/or on your computer, or through web interface at <https://office.uwsp.edu>, then click on the "Teams" icon.



Attendance and Participation Policy:

You are expected to attend class regularly and are responsible for catching up with any materials you missed.

Please note: Excessive absence may result in you not being able to participate in the mid-term and/or final exam.

Lectures

During class, you will also be evaluated for your attendance and participation. Some of the lectures might have in-class activities. Some of these activities may have extra credit points assigned to them. Therefore, it's important to come to class regularly since there will be **no makeup points given for missed class activities**. To encourage core non-technical values when conducting yourself in a professional environment, bonus professionalism points (10 points) are awarded to students at the beginning of the semester. Points will be deducted from your professionalism points if you conduct yourself in an unprofessional way, such as:

- do not clean up after your workspace in the lab,
- damaging lab equipment,
- not returning the key to the lab,
- consistently poor quality of your work
- being disruptive during class
- being non-respectful to others in class,
- miss work / class without notifying instructor

On the other hand, an additional bonus points (up to 10 additional bonus points) towards professionalism may be awarded if you conduct yourself in a professional way, such as:

- clean up after your workspace in the lab
- contribution during class
- contribution to Microsoft Team
- excellent quality of work throughout
- being respectful to others in class

It is **highly recommended that you take notes in class**. There will be supplemented materials and in-class exercises during the lectures and labs that are not in the book or in the PowerPoint slides. These materials are especially important because they are designed to help you reinforce and test your understanding of new materials. It is also advisable that you complete the Review Problems (posted on D2L) as you go along, instead of at the end of each module, so that any topics or questions that you may have can be addressed in a timely manner. Course materials are available on D2L for you to print out before class time. Any handouts not available from D2L will be handed out during class.

Class Work:

Assignments and Labs

Each module will have required assignments and/or labs with the due date clearly stated on D2L (see more below). You are responsible for remembering these due dates, and make sure that you submit your original work on time. **No late assignments or labs are accepted unless approved by me in advance.** In case your late work can be submitted, it must be done within one week of the due date with penalty. No late work will be accepted after one week from the due date.

All assignments and labs are **due at the beginning of class on the due date.** For printouts, **any loose pages should be stapled together.** You are responsible for making sure that your work is complete and done to specification before handing it in. Any assignments or labs that are not complete or are not done to specifications will be returned to you without being graded and result in zero point.

For example, you need to include "screenshots" of the pertaining material in your lab assignments, so that I can check and grade your answers. Without screenshots that include pertinent information, I will not have enough information to grade your lab. Showing up late for a lab session, likewise, will result in your lab not being graded unless excused.

Most work will be handed in via D2L Dropbox. Please observe the time of the due date carefully and also prepend your name at the beginning of the file. The due date for required assignments and labs are available on both the calendar and the course content on D2L.

[Course Home](#) | [Content](#) | [Grades](#) | [Quizzes](#) | [Dropbox](#)

[Attendance](#) | [Classlist](#) | [Edit Course](#) | [Log Out](#)

Adv Technqs Applicatn Devlpmnt

News	Calendar
There is no news to display. Create a news item.	Sunday, January 21, 2018
	Upcoming events
	FEB 8:00 AM Module 1 - Review Problems (Optional) - Due 5
	FEB 8:00 AM A1 - Wireshark Intro - Due 5
	FEB 8:00 AM Quiz 1 - Availability Ends 12

Course Home | Content | Grades | Quizzes | Dropbox | Attendance | Edit Course | Log Out

Search Topics

Basic Concepts: Introduction to Data Communications

Download | Send to Blender

Expand All | Collapse All

20 % 1 of 5 topics complete

Module 1 - Network Overview

Module 1 - Units

A1 - Wireshark Intro

Due February 5 at 9:00 AM

Lab1-Wireshark_Intro_v6.0.pdf

We will explore basic features of Wireshark in this lab.

Submission:

- 1) Submit your file (pdf or doc only - pdf is preferred) with screenshot(s) asked for in the lab. I must be able to read the information that's on the screenshot(s).
- 2) Submit the printout of your file. This way, I can write out comments and provide you feedback.

Module 1 - Review Problems (Optional)

Due February 5 at 9:00 AM

Textbook Chapter 1 Review Problems. This is not a required, but highly recommended, activity to help reinforce the concepts learned in this module. You should work through these problems in the textbook as we finish each section in the module.

Submission: Show the instructor your work at the beginning of the class. This doesn't have to be typed. For example, you can show your answers that you did on your class notebook as long as it is neat and readable.

Quiz 1

Starts Feb 5, 2018 10:00 AM Ends Feb 12, 2018 3:00 AM

Reading Assignment

Quizzes

A number of quizzes will be given throughout the semester. This is to ensure that you are keeping pace with the materials covered in class. The quiz will be announced at least one class period in advance and will normally be done via D2L. Because you are given one week to get it done before it's due, **no make-up quiz will be given if you missed the due date, unless an arrangement has been made with me in advance.**

Finally, there will be opportunities, throughout the class, for optional bonus exercises that will be counted as bonus points towards your assignment, lab, or quiz.

Exams:

There will be two closed book exams for the course. However, you will be allowed to bring a one-sided letter size cheat sheet for the midterm exam, and a double-sided letter size cheat sheet for the final exam. The final exam is comprehensive and covers all materials. This includes material from the textbook, class lectures, assignments and lab exercises. You are required to take the final examination to pass the class; otherwise, you will receive a failing grade for the course.

Final Exam: Tuesday May 15th, 2018 2:45PM – 4:45PM in SCI B348.

Please note: Excessive absence may result in you not being able to participate in the mid-term and/or final exam.

Academic Misconduct

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. A description of your rights and responsibilities as a member of the UWSP community can be found in the Community Rights document at: <http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>.

Student Academic Standards and Disciplinary Procedures (UWS/UWSP Chapter 14) are available in the Community Rights document. Academic misconduct will not be tolerated and will be acted upon according to the University of Wisconsin System Chapter 14 Student Academic Disciplinary Procedures. For this class, at a minimum, you will receive a zero grade for your submitted work that have been found to be the result of an academic misconduct.

Disability Services

For information on accommodations available to students with disabilities, visit the Office of Disability Services in room 609 Albertson Hall (715-346-3365) or their website: <http://www.uwsp.edu/disability/Pages/default.aspx>.

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

Evaluation and Grading:

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

Grading Items	Weight
Class Attendance and Participation	5%
Class Work – quizzes, labs, and assignments	50%
Midterm	20%
Final Exam	25%

Note that your weighted score for each category (including bonus points) cannot exceed the category's weight. Class Attendance and Professionalism is the only category that will allow you to exceed the category's weight with bonus points.

Please note: Excessive absence may result in you not being able to participate in the mid-term and/or final exam.

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

Letter Grade	Final Score	Letter Grade	Final Score
A	>= 94	C+	>= 77
A-	>= 90	C	>= 74
B+	>= 87	C-	>= 70
B	>= 84	D+	>= 67
B-	>= 80	D	>= 60
		F	Below 60

TENTATIVE COURSE OUTLINE

Week#	Module / Topics	Required Reading	Lab
1-2	Module 1 / Basic Concepts	Chapter 1	Wireshark Intro Lab
3-5 ½	Module 2 / Application Layer	Chapter 2	HTTP/DNS Lab
5 ½ -7	Module 3 / Cryptography Midterm - Wednesday March 7 th	Chapter 8.1 – 8.5	Supplement Lab
8-10	Module 4 / Transport Layer Distributed Computing (time permitted)	Chapter 3 and 8.6 Handouts	TCP/UDP Lab Case Study
11-13 ½	Module 5 / Network Layer	Chapter 4, 8.7, 8.9 Handouts	Assignments
13 ½ -15	Module 5 / Data-Link Layer and Wireless Networks Basics	Chapter 6.1-6.4, Chapter 7.1-7.4, Chapter 8.8 Handouts	Assignments
16	Final Exam (Comprehensive) Tuesday May 15th, 2018 2:45PM – 4:45PM in SCI B348		

Note: The course outline and syllabus is used as a guide is subject to change.

UWSP Emergency Evacuation Procedure

- In the event of a medical emergency, call 911 or use red emergency phone located near SCI B338, or SCI B238 in the hallway of the Science Building. 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 on the first floor lavatory in the Science Building. If time or space do not allow, go to A224 or A225 Science Building or remain in the hallways around those classrooms. See <http://www.uwsp.edu/rmgt/Pages/em/procedures/other/floor-plans.aspx> for floor plans showing severe weather shelters on campus. Avoid wide-span rooms and buildings.
- In the event of a fire alarm, evacuate the building in a calm manner. Meet at parking lot X (the corner of Fourth Avenue and Reserve St.). Notify instructor or emergency command personnel of any missing individuals.
- Active Shooter – Run/Escapes, Hide, Fight. If trapped hide, lock doors, turn off lights, spread out and remain quiet. Follow instructions of Emergency Responders. Watch the Active Shooter video at: <https://campus.uwsp.edu/sites/rmgt/campus/SitePages/Shots%20Fired%20-%20Lightning%20Strikes.aspx>. Watch the Preventing Violence video at: <https://campus.uwsp.edu/sites/rmgt/campus/SitePages/Flashpoint%20on%20Campus.aspx>.
- See UW-Stevens Point Emergency Management Plan at <http://www.uwsp.edu/rmgt> for details on all emergency response at UW-Stevens Point."

