

NET 3720 - Advanced Transport Media
Weber State University - Network Management Technology
Fall 2021

Instructor: Wm. Luke Jenkins
Classroom: D02-311 - Wednesday 5:30 PM - 8:10 PM
Contact Info: ljenkins@weber.edu office: 801-626-7669
Office Hours: By appointment only, virtually

Course Description:

An examination of the growing wireless technologies, fiber optics, their roles within the telecommunications data and media industries and to introduce associated fiber optic technical skills.

Required Text:

Certified Wireless Network Professional - CWNA Bundle (Only available from WSU Bookstore)

- Digital Study Guide
- Digital Course Guide
- Supplemental eLearning Access on <https://lms.cwnp.com/>
- Practice Tests
- Exam Voucher for CWNA-108 Certification Exam

Optional Additional Text:

CWNA Certified Wireless Network Administrator Study Guide: Exam CWNA-108 6th Edition

- ISBN: 978-1119734505
- eBook or Print

Learning Outcomes:

- Design, configure and troubleshoot enterprise Wi-Fi networks
- Perform Wi-Fi site surveys
- Identify RF interference
- Recommend which transport media to use in different situations

Teaching Methods:

Class will be taught primarily in person using a combination of lecture and labs to present and reinforce the material. There will be one or more weeks that class is held 100% virtually; students will be notified in advance through canvas for any class period where there is not an in person component. Technology permitting, lectures will be live streamed and/or recorded for review. Live, in person attendance is encouraged but will not be graded. Those who do not attend in person are expected to put in the extra effort to learn the material and complete the coursework. Canvas will be used for distribution of any supplemental course materials, peer and instructor discussions, quizzes, and grades. Hands-on labs will be used for instruction and testing.

Equipment:

Equipment used for this course must be treated with respect. Any equipment checked out to students must be returned in the same condition at the conclusion of the class. Replacement of any damaged or lost equipment will be the responsibility of the student.

Grade Scale:

94% - 100%	A	74% - 76%	C
90% - 93%	A-	70% - 73%	C-
87% - 89%	B+	67% - 69%	D+
84% - 86%	B	64% - 66%	D
80% - 83%	B-	61% - 63%	D-
77% - 79%	C+	<61%	E

Lab Reports: 30%

Quizzes: 20%

Midterm: 20%

Final Exam: 30%

Missed or Late Work:

You must email the instructor to request permission to complete any late work. It is at the instructor's discretion to allow late work. Please inform the instructor of any absences as soon as possible via e-mail or Canvas.

Exams:

There will be two exams during the semester; a midterm exam, and a comprehensive final exam. Both will require live physical attendance during the scheduled times. Exceptions will require intervention from Disability Services (see Accommodations section below), the Dean of Students, or the Dean of the College of EAST.

Course Fees:

Course fees in NET 3720 are designed to cover the costs of equipment maintenance and replacement as well as consumable materials and supplies.

Plagiarism:

The WSU Student Code defines plagiarism as 'the unacknowledged (uncited) use of any other person or group's ideas or work' ([Section 6-22, part IV, subsection D, 2. b](#)) ([archived link](#)). Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, falsification, accessing unauthorized course or test information, using unauthorized resources, or breaches of copyright laws. None of these will be tolerated in this class. The penalty for academic dishonesty in this course is failure on the assignment and possibly the course, depending on circumstances.

Core Beliefs:

According to the University's Policies and Procedures Manual ([PPM 6-22 IV](#)) ([archived link](#)), students are to determine before the last day to drop courses without penalty, when course requirements conflict with a student's core beliefs. If there is such a conflict, the student should consider dropping the class. A student who finds this solution impracticable may request a resolution from the instructor. This policy does not oblige the instructor to grant the request, except in those cases when a denial would be arbitrary and capricious or illegal. This request must be made to the instructor in writing and the student must deliver a copy of the request to the office of the department head. The student's request must articulate the burden the requirement would place on the student's beliefs.

Inclusivity:

Pivotal to Weber State University's mission is the need to embrace and value the diversity of its members. Acknowledging the uniqueness of each individual, we seek to cultivate an environment that encourages freedom of expression. Because the University is a community where inquiry is nurtured and theories are tested, every individual has the right to feel safe to express ideas that differ from those held by other members of the community. However, all persons who aspire to be part of our campus community must accept the responsibility to demonstrate civility and respect for the dignity of others. Recognizing that the proper balance between freedom of expression and respect for others is not always apparent or easy to achieve, we must continually challenge ourselves and each other in an atmosphere of mutual concern, good will and respect. Therefore, expressions or actions that disparage an individual's or group's ethnicity, gender, religion, sexual orientation, marital status, age or disability are contrary to the mission of Weber State University.

Accommodations:

Any student requiring accommodations or services due to a disability must contact Disability Services (DS) in room 181 of the Student Services Center or Room 256 at the Davis Campus. Disability Services can also arrange to provide course materials (including this syllabus) in alternative formats upon request.

University Closure:

If for any reason the university is forced to close for an extended period of time, we will conduct our class via Canvas, e-mail, or whatever form of communication is most conducive to our class structure.

FALL 2021 -- Student Acknowledgment of Coronavirus Mitigation Protocols

I will contribute to the health and safety of the Weber State community by following any required [mitigation protocols](#) ([archived link](#)) that reflect the university's core value of respect for other people. I understand what is [expected](#) ([archived link](#)) of me, the risk of exposure to COVID-19, and that no one can guarantee there will be no transmission of communicable diseases. I also understand that I must use common sense and wise judgment to help protect myself and others' health. I further understand that Weber State University will make appropriate accommodations when warranted as well as enforce rules according to existing policies (See [PPM 6-22. The Student Code](#)) ([archived link](#)). Violation of these requirements may result in removal from the

classroom (or other spaces) or lead to disciplinary action under the Student Code. Finally, I recognize that requirements, courses, and other elements of university services may be revised or suspended at any time as conditions change.

Video Conferencing:

When the course includes synchronous (meaning that we will meet together, online, at our regularly scheduled class time) online class sessions, you can enhance your success in these synchronous sessions by following the guidelines below:

1. You will be required to use web conferencing software such as Zoom, Google Meet and Canvas Conferences for both office hours and synchronous class sessions. A webcam and mic are required to participate effectively in web conferencing sessions.
2. Access to video conferencing will be provided by your faculty member.
3. If you are new to Zoom, find easy set up and access information [here \(archived link\)](#).
4. Copy and paste the URL (or click on the web link) provided by your instructor at the time specified for the meeting. Launch the app (after initially downloading, installing, and logging in), and you will enter the meeting immediately.
5. You may choose to use your mobile device.
6. Please take note of the following:
 - a. Make every effort to be logged in to the class session 5 minutes early so we can start on time.
 - b. Mute your microphone at all times unless you are speaking.
 - c. When participating in a web conference, it is beneficial for our learning community to see you. Please have your camera on during the event. When presenting or speaking to the class during a web conference, students are highly encouraged to activate their webcam so others receive the full message, including non-verbals. NOTE: If you are unable to or wish not to use the video feature, please contact the instructor to discuss options.
 - d. Demonstrate etiquette for online engagement (i.e. pause between speakers so as not to interrupt, use the hand-raising icon to speak, please dress as if you were coming to a face to face class).
 - e. If you need to take a break, please turn off your video and mute yourself. Do not take your device.
 - f. Be engaged! This should be an enjoyable experience.
7. Faculty would like you to use a webcam in their class because they want to:
 - a. Know who is in the Zoom lecture for security.
 - b. Get to know my students, especially during these uncertain times.
 - c. Do breakout rooms on Zoom and you need to know who is in your breakout group. We want you to feel comfortable.
 - d. Go around to the breakout room and check in with you. By seeing your name and face, faculty can see your screen sharing and assess your engagement more effectively.
8. For your security, please use your first name and last initial only on your Zoom profile.

Harassment, Discrimination, and Sexual Misconduct:

Actions which can be defined as harassment or discrimination (as defined in [PPM 3-32](#)) ([archived link](#)) are prohibited and a violation of the student code. This includes sexual assault, stalking, dating violence, or domestic violence, as those terms are defined in [PPM 5-36a](#) ([archived link](#)).

Student Responsibilities:

Students at Weber State University assume the personal obligation to conduct themselves in a manner that is compatible with the University's role as a public institution of higher education. By enrolling at Weber State University, students agree to maintain certain standards of conduct, which if violated, may result in the imposition of sanctions or other forms of University discipline (see [PPM 6-22 IV](#)) ([archived link](#)).

For a detailed description of student expectations and obligations at Weber State University, please consult the Student Code ([PPM 6-22](#)) ([archived link](#)).