

CSIS 3723 - Networking Concepts and Administration

Fall 2026 Syllabus, Section 02, CRN 42712,

Credit hours: 3

Instructor

Todd Jones

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Public Instructor Information

Instructor Title: Senior Lecturer

Instructor Professional Qualifications: Master of Computing Information Systems, Youngstown State University, 2019

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Course Description

3723. Networking Concepts and Administration. Overview of electronic communications concepts and technologies, with emphasis on Local Area Networks. Network topologies, design, administration, installed applications, and performance monitoring. Privacy, ethical and legal concerns. Prereq.: C or better in (CSIS 2605+CSIS 2605L) or (CSIS 2610+CSIS 2610L). 3 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	CompTIA Network+ Guide to Networks	Jill West	9780357508138

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Course Schedule

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Chapter 1	Introduction to Networks	
8/31	Chapter 2	Network Infrastructure and Documentation	Quiz 1
9/7	Chapter 3	Addressing in Networks	
9/14	Chapter 4	Network Protocols and Routing	Assignment 1
9/21	Chapter 5	Network Cabling	Quiz 2
9/28	Chapter 6	Wireless	Assignment 2, Quiz 3
10/5	Review	Review Chapters 1 - 6	Exam 1 Chapters 1 - 6
10/12	Chapter 7	Virtualization and Cloud	Assignment 3
10/19	Chapter 8	Subnetting and VLAN's	Quiz 4
10/26	Chapter 9	Risk Management	Assignment 4
11/2	Chapter 10	Security in Network Design	
11/9	Chapter 11	Network Performance and Recovery	Assignment 5
11/16	Chapter 12	WANS	Quiz 6
11/23	Troubleshooting	Troubleshooting and Review Chapters 7 - 12	Exam 2 Chapters 7 - 12
11/30	Final	Final	Final Exam Chapters 1 - 12

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.