

CSIS 5723 - Networking Concepts and Administration

Fall 2026 Syllabus, Section 01, CRN 42887,

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

5723. 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.

Crosslisted: CSIS 3723. Prereq.: Enrollment in Computer Science Endorsement Program. 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.

Schedule of Topics and Assignments

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