

CSIS 3723 - Networking Concepts and Administration

Fall 2026 Syllabus, Section A01, CRN 43585,

Credit hours: 3

Instructor

Todd Jones

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Public Instructor Information

Instructor Title: Senior Lecturer

Instructor Professional Qualifications: MCIS, Youngstown State University, 2019

Instructor Office Location: Meshel Hall 308

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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 both CSIS 2605 and CSIS 2605L, or in both CSIS 2610 and CSIS 2610L. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	CompTIA Network+ Guide to Networks 9th edition	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
10/19	Chapter 1 and 2	Chapter 1: Introduction to Networks Chapter 2: Network Infrastructure and Documentation	Quiz 1
10/26	Chapter 3 and 4	Chapter 3: Addressing in Networks Chapter 4: Network Protocols and Routing	Assignment 1 Due
11/2	Chapter 5 and 5	Chapter 5: Network Cabling Chapter 6: Wireless Review Chapter 1 – 6 / Midterm Exam 1	Quiz 2 and 3 Assignment 2 Midterm Exam 1
11/9	Chapter 7 and 8	Chapter 7: Virtualization and Cloud Computing Chapter 8: Subnetting and VLANS / Introduce Final Project	Assignment 3 Due Quiz 4 Assignment 4 Due
11/16	Chapter 9 and 10	Chapter 9: Risk Management Chapter 10: Security in Network Design	Quiz 5
11/23	Chapter 11 and 12	Chapter 11: Network Performance and Recovery Chapter 12: WANS Review Chapter 7 – 12	Assignment 5 Quiz 6 Midterm Exam 2
11/30	Finals (All)	Finals	Final Exam

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.